

Well ID Site Depth to Pour Depth to W Total Depth	ater d	-0 -0 feet 31-34 feet [(e-80 feet	D Ti W He	LEVEL DATA ate Gauged me Gauged Vell Diameter eight of Fluid Colume in Well 30.61		5-46 fe	ches
Time/date F	Purged [[:[0	_	ROUNDWATE	R SAMPLING	DATA Pump		
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)
11:26.	10	10	20.3	4318	7.48	149	1-31
11:44	ſδ	20	20.6	4243	7-34		
12:04		3(20.7	4235	7.25		
					·		
		·.					
		•					<u></u>
							•
						•	
Actual Purge \ Time/Date Sar				l Measurement	s stabilized with	nin ± 10% _ Y	_
Sample Metho	<u> </u>		i Furg	euroampied By	1 <u>/1-N</u>		
Requested Ana	· ·		•			·_	
Comments/Obs	servations			•			
•			h •				

Well ID Site	Jami	1-02 nguer 1	D	LEVEL DATA ate Gauged ime Gauged		2-15-2 13:21	14
Depth to Pt Depth to W Total Depth	ater .	72.98 feet 37.41 feet (3	Н	Vell Diameter eight of Fluid Colume in Well e 28.57	9	<u>イ</u> in イ. 4 3 fe ・5 2 3 ga	
Time/date P	Purged <u>13:2</u>	8 2-15	ROUNDWATE	R SAMPLING	DATA Pump	.	
Time	Purge Vol	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)
13:49	10	10	20.8	3994	7.50	221	2.08
14:15	10	20	20.9	4007	7.32		
14:43	(0	30	30.0	4018	7.23		
					·		
	·						-
Actual Purge V Time/Date San Sample Method	npled 15:2			Measurement ed/Sampled B	is stabilized with	nin ± 10% Y	_
Requested Ana	alyses					***************************************	
Comments/Obs	servations			•			

Well ID Site Depth to P Depth to W Total Depth	/ater .	109 w2 1 feet 25.38 feet 32.80 feet	C T W H	LEVEL DATA Date Gauged Time Gauged Vell Diameter eight of Fluid Colume in Well		1.42 fe	ches
Time/date F	Purged 9:32	G		ER SAMPLING	gallons) DATA		
7ime 9:47 9:58 10:09	Purge Vol (gal) 2 l	Cumui Purge Vol (gal) 3	Temp (°C) 19.9 20.6 20.3	SpC (µs/cm) 2897 2905 2943	рн 7-38 7-32 7.24	ORP (mV)	DO (mg/L) 2.18
	alyses			d Measurement	s stabilized with	nin ± 10% Y	

Well ID Site Depth to Pour Depth to W Total Depth	rater c	feet 2 <u>6.79</u> feet 3 <u>7.32</u> feet (3	E T W H V Well Volumes	LEVEL DATA Date Gauged Time Gauged Vell Diameter eight of Fluid Coolume in Well 5-37	olumn (0	0.53 fe	ches
Time/date P	Purged [[:12		•	R SAMPLING . urged Method _	_		
Time	Purge⋅Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)
11:24.	2	2	18.6	4635	7.46	111	1.65
11:36	2	4	19.2	4595	7.37	1	
11:49	2	6	19-0	4575	7.28		
11:52	.25	6.25	19.3	4578	7.26		
Actual Purge V Time/Date San Sample Method	npled 12:2	4 2-	16-24 Purg	d Measurement red/Sampled By	s stabilized with	in ± 10% <u>Y</u>	
Requested Ana	-		•				

•			FLUID	LEVEL DATA			,
Well ID	Jomin Domin	1-11	D	ate Gauged		2-15-24	<u> </u>
Site	Jomin	gus_l	т	ime Gauged		7:30	
	•						
Depth to P	SH	feet	· W	/ell Diameter		2 · in	ches .
Depth to W	/ater	56.26 feet	He	eight of Fluid C	olumn 12	-63 fe	
Total Depth	n (8.89 feet		olume in Well		1117	illons
		(3	Well Volumes =		iallons)	<u> </u>	
,							
		G	ROUNDWATE	R SAMPLING	DATA		
Time/date F	ourged <u>9:35</u>	-		· · · · · · · · · · · · · · · · · · ·	`		
		Cumul	1	T	<i>1</i> .		
Time	Purge Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	Hq	ORP (mV)	DO (mg/L)
9:47	2	2	20-2	6727	7.04	180	245
9:59	2	4	21.0	6743	7.12	,,,	<i>A</i> , 10
10:21	3	7	20.9	6704	7.20		
			- 2 0 · 1	7 7	7.20		
		,					
		· · ·					
							•
•	120						
Actual Purge			Field	l Measurement	s stabilized with	in ± 10%	_
Time/Date Sar	<i> </i>	2-1	<u>J-2</u> 4 Purg	ed/Sampled By	A.N		
Sample Metho	d temp			•		·	
Requested, An					•	Marie Control of the	
Comments/Ob	servations _			•			

	·	· 、 FLUID	LEVEL DATA			
Well ID . 69	2-02	. D	ate Gauged	á	2-27-2	4
Site De	On	Ti	ime Gauged		1:20	
	•		-			
Depth to PSH	feet	W	/ell Diameter		1 · in	ches .
Depth to Water	6 <u>0-20</u> feet	Н	eight of Fluid C	olumn 5	.95 fe	
Total Depth	66.(5 feet	Vo	olume in Well	3.	927 ga	illons
	(3	Well Volumes :	<u> 11.78</u>	gallons)		•
			•			
		ROUNDWATE	R SAMPLING	DATA		
Time/date Purged //:	28 2-2	7-24 Pu	rged Method	Junp	***********	
Purge Vo	Cumul Purge Vol]	0.0			
Time (gal)	(gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)
11:43 5	5	23.2	2888	7-12	144	2.15
12:07 5	(0	23.0	2925	7-19		
12:20 2	12	23.1	2916	7.26		
	·					
Actual Purge Volume	<u> }</u> gals	Field	l Measurement	s stabilized with	nin ± 10% Y	
Time/Date Sampled 12:	46 2-2-		ed/Sampled By			
Sample Method Pum		•	·			
Requested Analyses				,		
Comments/Observations			•			

•			FILIID I	EVEL DATA		•	
Well ID	692	·04		ate Gauged		2-27-2	ر
Site	692 Del	Nin.	•				
·	<u> </u>	<u>Dv</u>	. 11	me Gauged	- The section of the	10:35	
Depth to P	PSH	foot	,			17	
				ell Diameter		<u> </u>	ches .
Depth to W		TRY feet		eight of Fluid (Column	fe	et .
Total Dept	h	60-60 feet		lume in Well		ga	allons
		(3)	Well Volumes =		gallons)		
				. •			
		G	ROUNDWATE	R SAMPLING	DATA		
Time/date i	Purged		Pu	rged Method			
	Purge Vol	Cumul Purge Vol		SpC			T :
Time	(gai)	(gal)	Temp (°C)	(µs/cm)	рН	ORP (mV)	DO (mg/L
	-		,				
	• '	·					
				•			•
						1	
ual Purge \	Volume	gals	Field	Measuremen	ts stabilized w	ithin ± 10%	
e/Date Sai	mpled			ed/Sampled B			
nple Metho	•						
juested An	alyses						
	servations	Den wil	1		•	·	
			'\.,				

	•	•	· 、 FLUID	LEVEL DATA			
Well ID	692	-05		ate Gauged		28-2	4
Site	Del	Dro_	•	ime Gauged		(0:57	,
		•			-	•	***************************************
Depth to P		feet	W	/ell Diameter		, y . _{inc}	ches
Depth to W	/ater	82:08 feet		eight of Fluid Co	olumn 5	.42 fee	
Total Depth	1 (87.50 feet		olume in Well		.577 ga	
				= 10.73		• <u>) : / </u>	
					Janorio		
		G	ROUNDWATE	R SAMPLING I	DATA		
Time/date F	Purged]//: O	4 2-2	8-24 PL	rged Method	Pump		
		Cumul	· ·	T			·
Time	Purge Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ODD (~) A	DO (*** #\)
11:20.	4	4	20.8	2494	7.50	ORP (mV)	DO (mg/L)
11:35	Ÿ	8	21.3	2466	7.38	181	1.88
11:50	3	<u> </u>			7.00		· · · · · · · · · · · · · · · · · · ·
111-70			21.5	2473	7-21		
							
			_				
						i	
,			L			<u>_</u>	
Actual Purge		gals		d Measurement	s stabilized with	nin ± 10%	-
Time/Date Sar	<i>(</i>) .	2-2	8-24 Purg	jed/Sampled By	A.N	The state of the s	
Sample Metho	d Yump					·	
Requested An	alyses						
Comments/Ob	servations <u>5 (</u>	an water	flow.	•		****	
				,		•	

Well ID Site Depth to Pour Depth to W Total Depth	Del SH	2-06 0no feet 84.05 feet 90.25 feet	D Ti W H	LEVEL DATA late Gauged ime Gauged /ell Diameter eight of Fluid Coolume in Well = 12-27	olumn 6	20 fe	ches
Time/date P	ourged <u>1371</u> 1	a·28	ROUNDWATE	R SAMPLING	\sim		
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:28.	5	5	20.8	2333	7.61	215	1.75
13:42	5	10	21.0	2298	7-44		
13:54	3	13	21-5	2273	7.32		· <u> </u>
13:56	. 25	13.25	21.6	2266	7-29		
	•						•
	·						
Actual Purge \ Time/Date Sar Sample Metho	npled 14:18	gals		I Measurement red/Sampled By	s stabilized with	nin ± 10%	_
Requested Ana	Į.					<u> </u>	
Comments/Obs	servations <u></u>	low flow	Coming ou	it of pu	mp.	,	

•			FLUID	LEVEL DATA		. •	
Well ID	692	-07		Pate Gauged		2-28-	74
Site	Del C)ro	•	ime Gauged	***************************************	14:33	
		,	•		•	· · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , ,
Depth to P	SH	feet		Vell Diameter		y	
Depth to W	-	75.81 feet				an	ches
Total Depth	-	77.71 feet		eight of Fluid C		2-11	
	r		Well Volumes	olume in Well		<u> </u>	illons
		(3	vveii volumes	= 3.10	gallons)		
				•		The second second	
	. 10-114		ROUNDWATE				
Time/date F	Purged <u>/ 4 </u>) 20	28-24 Pt	urged Method _	Bail		
	Purge Vol	Cumul Purge Vol		SpC			
Time	(gai)	(gal)	Temp (°C)	(µs/cm)	pН	ORP (mV)	DO (mg/L)
14:53	1.50	1.50	20.3	2540	7-53	207	1.91
15:04	1.50	3	20.7	2527	7.39		,
15:25	1	4	20.8	2501	7.26		
	,						
Actual Purge \			Field	d Measurement	s stabilized with	nin ± 10%	
Time/Date Sar	npled <u>/5:5</u>	2.3	18.24 Purg	ged/Sampled By	A.N		
Sample Metho	d Bail			•			
Requested, Ana	alyses _						
Comments/Ob	servations <u>"</u>	afer dopp	ed 2 3	gals Recove	r water	around	
15-20 min	5.	11	- · · · ·				
•			•				

Well ID Site Depth to P Depth to W Total Depth	/ater	feet 69.25 feet 77.17 feet	D Ti W He	LEVEL DATA		-29-2 1:19 4 in -92 fer -27 ga	ches et
Time/date F	Purged <u> :2 </u>	. ~	ROUNDWATE	R SAMPLING I	\cap		
Time	Purge₊Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pН	ORP (mV)	DO (mg/L)
11:55.	5	5	24.3	2199	7.72	87	1.61
12:40	5	10	26.8	2211	7.43		-
13:17	6	16	27.8	2243	7.24		
				-			
		· ·					
							•
				. [
Actual Purge			Fleld	l Measurement	s stabilized with	nin ± 10% _	
Time/Date Sar	mpled 13:48	3 2-2	924 Purg	ed/Sampled By	Ain		_
Sample Metho	d Rong					·	
Requested, Ana	-				•		
Comments/Ob	servations <u>V</u>	eny slav	water f	low.		, , , , , , , , , , , , , , , , , , ,	,

			FLUID	LEVEL DATA			
Well ID	697	2-09	[Date Gauged		2-28-2	4
Site	Del	On	Т	ime Gauged		8:57	•
				-		•	
Depth to F	PSH .	feet	· v	Vell Diameter	\	y : . in	ches
. Depth to V	Vater (8 <u>5:16</u> feet	Н	leight of Fluid C	olumn 5	์ดบ -	et
Total Dept	th '	91-10 feet		olume in Well	3		allons
•				= 11.76	nallone)	ya ya	1110(18
		`			galloris)		
		G	ROUNDWATE	R SAMPLING	DATA		
Time/date l	Purged 9:05	2-28		urged Method _	_		
		Cumul	<u> </u>	Tiged Metriod _	γ	,	7
Time	Purge Vol (gal)	Purge Vol (gal)	Tama (90)	SpC			
9:30	5	(gai)	74-3	(μs/cm)	pH	ORP (mV)	DO (mg/L)
9:50		5	1 <u> </u>	2275	7.49	144	1-69
1.3.3	5	10	23.3	224+	7.32		
10:18	2	12	22.5	2213	7.21		
		•					
							•
				-			
	15						
Actual Purge \		gals	4	d Measurement	s stabilized with	ìn ± 10%	<u> </u>
	mpled <u>/0.43</u>	2.28	Purg	ed/Sampled By	A.N		
Sample Metho	od Tump					· · · ·	
Requested An	alyses						
Comments/Ob	servations			•		····	

Well ID Site Depth to P Depth to W Total Depth	/ater	00 74.91 feet 77.90 feet	E T V H V	LEVEL DATA Date Gauged Time Gauged Vell Diameter Teight of Fluid Colume in Well The state of t	olumn <u>2</u>	.99 fe	ches
Time/date F	Purged <u>9: 4</u>	9 2-0	16 ml	ER SAMPLING	~ • • • • • •	, .	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pН	ORP (mV)	DO (mg/L)
9:55.	.50	.50	20.9	2808	7.51	173	2-12
10:12	,50		21.5	2771	7.37		
10:28		2	20.6	2760	7.28		
					·		
				·			
	·						
Actual Purge \ Time/Date Sar Sample Metho	mpled <u>/D:5C</u>			d Measurement ged/Sampled By	s stabilized with	nin ± 10% <u>/</u>	_
Requested Ana	·					<u> </u>	
Comments/Ob				·			

Well ID Site Depth to P Depth to W Total Depti	Vater	feet	D Ti W He Vo	LEVEL DATA Pate Gauged ime Gauged Vell Diameter eight of Fluid Colume in Well		fe	ches
Time/date F	ourged 14:2			R SAMPLING Irged Method		-	
Time 14:35 14:46 14:57	Purge Vol (gal)	Cumul Purge Vol (gal) S IO	Temp (°C) 21.4 21.5 21.4	SpC (µs/cm) 5872 5914 5908	рн 7.56 7.4 3 7.26	ORP (mV)	DO (mg/L) 2-74
Actual Purge \ Time/Date Sar Sample Metho Requested And	mpled 15:25 d Rnp allyses	gals 5		l Measurement ed/Sampled By		nin ± 10%	

Well ID Site Depth to P Depth to W Total Depth	SH /ater	Oro feet feet (3	Т М Н	LEVEL DATA Date Gauged Time Gauged Vell Diameter leight of Fluid Colume in Well	olumn	fe	ches
Time/date F	Purged <u>1555</u>	55 2-	GROUNDWATE 29-24 PU	ER SAMPLING . urged Method _	`	,	
Time 16:07 16:30 16:43	Purge Vol (gal)	Cumul Purge Vol (gal) S (O	Temp (°C) 21. 8 22.0	SpC (µs/cm) 6006 6024 6065	7.63 7.41 7.29	ORP (mV)	DO (mg/L) 2.48
Actual Purge \ Time/Date Sar Sample Metho Requested Ana Comments/Obs	npled <u>(6:5</u> d <u>Pump</u> alyses		1	d Measurement ged/Sampled By	s stabilized with	nin ± 10%	

·			FLUID I	EVEL DATA	•	. •		
Well ID	Del (<u>03</u>	. D	ate Gauged	Nagaran, makan	2-27-2	4	
Site	Del ()ro	· TI	me Gauged		14:41		
Depth to F	PSH .	feet	W	ell Diameter		<u>4</u> . in	ches .	
Depth to V	Vater	feet	He	eight of Fluid C	olumn	fe	et .	
Total Dept	th	feet	Vo	lume in Well		ga	illons	
		(3	Well Volumes =	. 15	gallons)		•	
		G	ROUNDWATE	R SAMPLING	DATA	200000000000000000000000000000000000000		
Time/date	Purged		Pu	rged Method	· · · · · · · · · · · · · · · · · · ·	-		
Time	Purge Vol	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	50	000 () 4	DO (#)	
				(μαιοιπ)	pH —	ORP (mV)	DO (mg/L)	
			•					
		•						
	-							
	·					,		
	Volume		Field	Measurement	s stabilized wi	thin ± 10%	_	
ample Metho	mpled			ed/Sampled By				
equested,An	ıalyses							
omments/Ob	servations 🛕	o water	came	out. Re	set co	n trolke		
and str	eservations A	ater con	in out	of pump.	NO S	amole.	•	
	•			V /	`	7		

		•	FLUID	LEVEL DATA			
Well ID	Eu	-04		ate Gauged		2-27	٠ ٢
Site	Del	Ow	•	me Gauged		3:08	
•		•			*************************************		
Depth to P	SH	feet	· W	ell Diameter		۷ · in	ches
. Depth to W	/ater	feet	He	∋ight of Fluid C	olumn	fe	
Total Depth	า	feet		olume in Well			llions
•		(3 \	Well Volumes =	•	gallons)	90	
		G	ROUNDWATE	R SAMPLING	DATA		
Time/date F	Purged 13:1	4 2-2	Pu PGE	rged Method _	Punp		
		Cumui					
Time	Purge Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:27	5	5	22.8	2964	7.71	140	2.28
13:13 8	_5	σ)	22.6	2984	7.42		
13:53	5	15	22.5	2996	7.24		· · · · · · · · · · · · · · · · · · ·
		•					
					<u> </u>		
							•
	·						
Actual Purge \	/oluma 1 b	an le	. p				-
Time/Date Sar			Fleid	Measurement	s stabilized with	in ± 10% Y _	_
Sample Metho	$d \mathcal{D}_{d \sim 0}$	<u> </u>	Z / Purg				
Requested Ana	· ·	***************************************		•			
Comments/Obs		una da		CI.			
, , , , ,		3100	water	. + 10w,			
				•			•

Well ID Site Depth to PSH Depth to Wate Total Depth	Del C	· · · · · · · · · · · · · · · · · · ·	Ti W He	ate Gauged ime Gauged 'ell Diameter eight of Fluid Col		2-27-, 1:45 4	2 Y
Depth to PSH	-	feet	· W	ell Diameter		7:45	inches
Depth to Wate	r	feet	Не			<u>4</u>	inches
Depth to Wate	r	feet	Не			4 .	inches
	г			∍ight of Fluid Col	lumn		
Total Depth		feet					feet
			Vo	olume in Well			gallons
		(3)	Well Volumes =	= <u>15</u> ga	allons)		
		G	POLINDIAME	D CAMPI INO D	4.T.		
Time/date Purg	ed <u>9:50</u>		•	R SAMPLING D			
		Cumul	<u> </u>				
. F	^p urge⊦Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	Hq	ORP (mV) DO (=-(
	2	5		(20,011)	- pt i	ORF (IIIV) DO (mg/
	5	10					
	5	15					
	3	.2					
				<u> </u>			
		·					

			FLUIC) LEVEL DATA		•	
Well ID	42.	UZ inguz 2		Date Gauged		2-14	24
Site	Dom	imur 2	•	Time Gauged	**************************************	8:55	
	-	J		·	-	· ·	
Depth to F	PSH	feet		Vell Diameter		и	
Depth to V		3 <u>1-30</u> feet	-		71		ches
Total Dept		5-33 feet		leight of Fluid (2.45 ge	et .
· ·	'' 4			olume in Well	d	<u>ر بري</u> وه	allons .
		(3	Well Volumes	= 67 - 5 +	gallons)		
-							
	Qua		ROUNDWATE				
Time/date F	ourged 9:03	3 2-14	(<u>'2</u> '4' PI	urged Method	Pump		
	Purge Vol	Cumul Purge Vol		SpC			
Time	(gal)	(gal)	Temp (°C)	(µs/cm)	pН	ORP (mV)	DO (mg/L)
9:46	25	25	18.6	4122	7.55	199	2-11
10:32	25	50	17.5	,4072	7.24		
10:57	18	68	17.1	7032	7.18		
,.		V		1000	7.(0		
. ,							
		·		· · · · · · · · · · · · · · · · · · ·			1
	22						
Actual Purge V	olume <u> </u>	gals	Fleld	Measurement	s stabilized with	in ± 10% Y	
Time/Date Sam	rpled [1:30	2-14	\sim 11	ed/Sampled By	A		•
Sample Method	tump						
Requested Ana	lyses						
Comments/Obs	ervations	•					
			, .				

•	-	, ,					
•	•		FLUID L	EVEL DATA		-	•
Well ID	42-	-03	Da	ate Gauged		2-13-2	4
Site	Dominyu	er 2	· Ti	me Gauged	<u></u>	9:52	,
	•	•					
Depth to PS	SH	feet	W	ell Diameter		٠ inc	hes
Depth to Wa	•	87-45 _{feet}	He	eight of Fluid C	olumn 7.	75 fee	et .
Total Depth	(77-20 _{feet}		olume in Well			llons
			Well Volumes =			<u> </u>	
		(5)	vveir voidines -		gallotis)		
•					DATA		
	9.50	G 2	ROUNDWATE		O .		
Time/date P	urged 9:58	∕ <u> </u>	3-24 PL	ırged Method _	Tung.		
	Purge Vol	Cumul Purge Vol		SpC			
Time	(gal)	(gal)	Temp (°C)	(µs/cm)	pH	ORP (mV)	DO (mg/L)
0:17.	7	7	12,2	4991	7.57	15+	2.90
0:30	7	14	23.2	4969	7.41		
0:41	6	20	24.3	4952	7.28		
0:43	-25	20.25	24-2	4943	7.26		
		•					,
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			······································				
	Volume 25				nts stabilized wit	hin ± 10% <u> </u>	<u>,</u>
Γime/Date Sa	ampled 10:5	6 2-1	3-24 Pur	ged/Sampled I	ву <i>А.</i> х		
Requested Ar	~						
Comments/Ol	bservations _						
						·	

. *		· .		LEVEL DATA	,		
Well ID	777	<u>مال</u>	•	ate Gauged		2-13-24	
Site	Comingu	ir2	Ti	me Gauged		3:05	
Depth to Paragraph to Work Total Depth	/ater	feet 37,95 feet 11.55 feet	He Vo	iell Diameter eight of Fluid Co olume in Well e 7.12	2	9.60 fee .376 ga	
Time/date F	Purged <u>/3://</u>			R SAMPLING I			
Time	Purge₊Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)
3:19	3	3	19.6	3192	7.93	195	2.44
3:26	3	6	20.4	3188	7.70		
3:34	2	8	26.3	3201	7,54		
3:37	.25	8.25	20.3	3209	7.36		
		•					
īme/Date Sa	Volume	5 2-1.		d Measuremen ged/Sampled B	ts stabilized with	nin ± 10% _ Y	_
eample Meth Requested Ar	•				-	·	
comments/Ol				•			
•							•

•	·		ELLID I	EVEL DATA	•	. •		
Well ID	42-0	8				-12.74	•	
	42-0 Doming		•	ate Gauged		-(3.27		
Site	Doming	verd	Time Gauged			14:15		
Depth to PS Depth to W Total Depth	ater 3	feet 3 <u>4.17</u> feet 3 <u>5.10</u> feet	Не	ell Diameter eight of Fluid Colume in Well e	0	93 fee	ches et Ilons	
Time/date F	Purged 14:2	1 213	ROUNDWATE		\circ			
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рH	ORP (mV)	DO (mg/L)	
14:37.		1	20.1	3163	7-41	162	2.25	
4:52		2	20.3	3181	7-30			
5:05	.50	2-50	20.5	3194	7.24			
		•						
	,							
						-		
· \ctual Purge '	Volume 3	gals	. Fleld	d Measuremen	ts stabilized witi	nin + 10% Y		
		5 2-13		ged/Sampled B	v A.N	2 , 5 /		
ample Metho	od Pump		 					
lequested.An	,							
omments/Ob	servations <u>(</u>	ow water	flow. ve.	ry slow w	vater rec	overy.		

			FLUID	LEVEL DATA	•	•	
Well ID	. 42	-10	ſ	Date Gauged		2-14-2	4
Site	Doming	uir 2	ד	ime Gauged		15:08	,
Depth to P Depth to W Total Depti	- Vater	feet 120.9 feet 23.60 feet	Н	Vell Diameter leight of Fluid Colume in Well =	. 1-	4 in 69 fe	ches et allons
Time/date F	Purged <u>(5)</u> 1		6ROUNDWATE 4-24 PU	ER SAMPLING	\cap		
Time	Purge Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	~!!	000 / 14	
15:35	2	2	24.6	1824	7.31	ORP (mV)	1.39
15:52	2	4	24.3	1803	7.29	, (1.21
16:13	2	6	24.5	1782	7,24		
. ,					·		
		·					
	·						
Actual Purge V Time/Date Sam Sample Method Requested Ana	npled 16:37	gals 2-[Y		Measurements ed/Sampled By	s stabilized with	in ± 10% /	
Comments/Obs		ny slow	water fla)w,			
•							

	Well ID Site Depth to F Depth to V Total Dept	PSH Vater	feel 33.50 feet	t V	Date Gauged Time Gauged Vell Diameter Height of Fluid Colume in Well 4 69	. /	2.37 fe	nches net
	Time/date I	Purged <u> 135</u>		GROUNDWATE	ER SAMPLING			
	Time	Purge Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)			
12	:18 .	2	2	18-3	4056	7,43	0RP (mV)	DO (mg/L)
12	:34	2	4	18.7	4074	7.31	(0)	1.30
12	:50	l	5	18.5.	4110	7.27		
-			•	-				
		·			·			
<u> </u>								
		·					-	
Time		olume <u>6</u>	gals 2-10			stabilized withi		
	pie ivietnoc iested Ana	1		•				
		*	4 ـ ماسيرين	Flow. No ,				
gali	water	was bu	who counts	s out enou	water few	un after	4	
J		PONT	y comin	3 out enou	an D colle	et Sample.		•

Well Casing Volumes

2" dlameter = 0.17 gal/ft 4" dlameter = 0.66 gal/ft 5" dlameter = 1.02 gal/ft 6" dlameter = 1.50 ga/ft

·	. 42.		FLUIC	D LEVEL DATA	•		
Well ID	12	12 muz 2		Date Gauged		2-14-2	4
Site	Lomi	yur 2		Time Gauged		13:24	
Depth to PS Depth to Wi Total Depth	ater	feet 1 <u>37.52</u> feet <u>39.44</u> feet (3	: }	Well Diameter Height of Fluid (Volume in Well = 3.80	. 1.	92 fe	aches eet allons
Time/date Po	urged <u>(3:3</u> 6	2-14		ER SAMPLING	_		
Time	Purge Vol (gal)	Cumui Purge Vol (gal)	Town (°C)	SpC			
13:41	((gai)	Temp (°C)	(µs/cm)	DC1	ORP (mV)	DO (mg/L)
13:53	ì	2	24.0	1279	7.42	120	1-29
14:20	2	4	24.1	1752	7.29		
					1.0		
					·		
		·					
				·			
	-						
Actual Purge Vo		gais	1/ 0./		s stabilized with	in ± 10% ½	
Sample Method			Purg	jed/Sampled By	A.N		
Requested Analy	Ü			•		<u> </u>	
Comments/Obse		y slow u	vater flo)mri	•		

	•		. FUID L	EVEL DATA	•		•
W(-1/1D)	42-1	3		te Gauged		2-13-0	Y_
Well ID	Danie	<u> </u>		ne Gauged		1:12	
Site	Onling	ML I		·			
				ell Diameter		y · incl	hes
Depth to PS	/	feet			ا .	74 fee	
Depth to Wa		02.86 feet		ight of Fluid Co			
Total Depth	(O _.	7.60 feet		lume in Well		12 <u>8 </u>	lons .
٠		(3 \	Well Volumes =	9.38. g	allons)		
			•	R SAMPLING [DATA		
Time/date P	urged <u>//:/8</u>	213	8-24 Pu	rged Method	Kump		
•	Purge Vol	Cumul Purge Vol		SpC			
Time	(gal)	(gal)	Temp (°C)	(µs/cm)	pΗ	ORP (mV)	DO (mg/L)
11:28	3	3	24.1	4930	4.73	157	2,30
11:39	3	6	24.4	4915	7.56		
11:52	4	10	23.8	4980	7.40		
11:54	-25	10.25	27.6	4975	7.33		
1112							
						•	
	,						
	ı						
,						1	,
Actual Purge	e Volume <u>13</u>	gals			nts stabilized w	ithin ± 10% /	
Time/Date S	Sampled 12:2	2 2.	13-24 PL	rged/Sampled	Ву А.х		•
Sample Met	hod Punje						
Requested,							
Comments/0	Observations	Slow unt	ir Recovery	low flow)		
•	•						•

Tap Water Sampling Data Sheet (for single-port sampling or pre-filter only)

Well ID: LP.6. 457-5 (Flood)	Sample ID:	Samp	le Time: 11:05
Well owner/location/residence: More tal.	· View Dalm		
Street address:	20407		
Filtration system? (circle one) A Y N	Sampling personnel: Ange	1 n. Ziven	
Start purge time: NA	Weather: Sunny		
End purge time: Wh	Purge Rate (gal/min):		
Sample collected at (circle as appropriate):	Wellhead tap	In-line H	ouse tap
Field Parameters:		1	
Time: (1:05)		Within	Circle One:
Specific Conductance: 4527		10%	μs/cm ms/cm
рН: <u>7.39</u>		+/- 0.5	
Temperature: 20-4		+/- 1 C	°F °C
ORP: 88		<u> </u>	V
Notes/Comments: Collected Sampl	e from pivot tu	ined on by lin	<u>da.</u>
			•
Well Configuration			
	1		

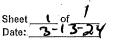
Sheet of Date: 3-13-24

Tap Water Sampling Data Sheet (for single-port sampling or pre-filter only)

Well ID: LRH-00952 (D	ain Par	sample ID:		-	Sar	nple Time: _	11:55
Well owner/location/residence: M	aus take	Wiew Das	6. .				
Street address:	AURC (-U-	e vise pou					
Filtration system? (circle one)	N	Sampling polymap	1. Aural	W 70	1		
Start purge time:		Sampling personne Weather: Sukny		N- K	1007		
	1						
End purge time:		Purge Rate (gal/mir	1):				
Sample collected at (circle as appro	priate):	Wellhead tap		In-line		House tap	
Field Parameters:							
Time:	451	I	1		is on to	o:	
Specific Conductance: 38					_ Within		le One:
	43				10%	μs/cm	ms/cm.
•					_ +/- 0.5		
Temperature: 19					_+/-1C	°F	°C
orp: <u>9</u> 9						mV	
Notes/Comments: Collected	wate	er sample	fron in	cH.	Perlor		
	- W 4	2-10-MIC	#1000 IN	Sinc	(CI OF		

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			MIN				
Well Configuration							
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Recorded By: Van AV



Tap Water Sampling Data Sheet (for single-port sampling or pre-filter only)

Well ID: LRG-457 (Pivot)		Sample ID:			San	nple Time: _	
	, .			-	•		
Well owner/location/residence: Mau	ntalu	Vien De	ain	100			
Street address:			·				
Filtration system? (circle one)	N	Sampling perso	onnel: Angel	n. Rive	<u> </u>		
Start purge time:		Weather: -					
End purge time:		Purge Rate (ga	l/min):				
Sample collected at (circle as appropria	ite):	Wellhead tap		In-line		House tap	
•							
Field Parameters:							
Time:					Within	Circ	le One:
Specific Conductance:					10%	µs/cm	ms/cm
pH:					_+/- 0.5		
Temperature:					+/- 1 C	°F	°C
ORP:						mV	
						_	
Notes/Comments: Per Linda	She	Stated	it's mt	- work	اُس. ٥٥	Samp	ole.
	•					•	
		WW					
Well Configuration							
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Recorded By: Well-Up

Tap Water Sampling Data Sheet (for single-poit sampling or pre-filter only)

Well.ID: <u>LRG-00953</u>	Sample ID:	S	ample Time: 12:55
Well owner/location/residence: Bri	aht Star Daim		
Street address:			
Filtration system? (circle one) Y	N Sampling personnel: Ange	1 n. Rivers	
Start purge time: NA	Weather Sunny		
End purge time: NA	Purge Rate (gal/min):		•
Sample collected at (circle as appropria		In-line	Hoùse tap 🗸
Field Parameters:			
Time: 12:		Withi	n Circle One:
Specific Conductance: 408	9	10%	μs/cm ms/cm
pH: 7.40		+/- 0.5	·
Temperature: 25		+/- 1.0	°F °C
ORP: 117	-		mV
Notes/Comments: Collected	water sample from	Dairy Par	lor.
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Well Configuration			
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Recorded By: Onl W

Tap Water Sampling Data Sheet (for single-poit sampling or pre-filter only)

Well.ID: LRG-00591-9	Sample ID:		Sample Time: 14:00
Well owner/location/residence: Dom	injus Dairy		
Street address:			
	N Sampling personnel:	Angel N. Riven	
Start purge time: NA	Weather: Sunny		
End purge time: MA	Purge Rate (gal/min)		•
Sample collected at (circle as appropriate): Wellhead tap	In-line	Hoùse tap
Field Parameters:			
Time: 13:4	5	l w	ithin Circle One:
Specific Conductance: 5169	·		0% μs/cm ms/cm
pH: 7,50			0.5
~~~			1.C °F °C
Temperature: 17.1			
ORP: 101			mV
Notae/Commonts: C. (L. L.)	of For too	A lank 15%	bailer and poly
Notes/Comments: Collected sa	imple trom by	DI HANK ASIM	built und pour
Dope.			
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NAL B. O C	The state of the s		
Well Configuration			
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Line WM

# Tap Water Sampling Data Sheet (for single-point sampling or pre-filter only)

Well.ID: LRG-00591-5-2	Sample ID:		Sample Time: 14:25
Well ourseilleastical residences	and the same		
Well owner/location/residence: Doming	uz Dorly!	·	The state of the s
Street address:	I	1 1 254	
Filtration system? (circle one) MAY N		Angel N. Rivery	•
Start purge time:	Weather Synmy		
End purge time: NA	Purge Rate (gal/min):		
Sample collected at (circle as appropriate):	Wellhead tap	In-line	House tap
Field Parameters:			
Ťime: 14:(0		With	in Circle One:
Specific Conductance: 52 31		109	L μs/cm ms/cm
pH: 7.52		+/- 0.	5.
Temperature: (7.0		+/- 1	
ORP: 157		- , ,	mV .
UNF. 1) +			11: 4
Notes/Comments: Collected sam	de from top	of tank using	bailer and
Joly Rope.			
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Well Configuration			
yven coniguration			
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Recorded By: Will WM

Sheet of 7 Date: 3-13-24

## Tap Water Sampling Data Sheet (for single-port sampling or pre-filter only)

Well'ID: <u>LRG-00590-5-6</u>	Sample ID:	Sample Time:
Wall ourser/legetian/regidence: Deute	ma Dali I	
Well owner/location/residence: Domin	arc Daim !	
Filtration system? (circle one)   Y	N Sampling personnel: Angel	M. River
Start purge time:	Weather: Sunn	
End purge time:	Purge Rate (gal/min):	
Sample collected at (circle as appropriate		In-line House tap
Campie conceted at (enrice de appropriate	y. Homieda tap	
Field Parameters:		
Time:		Within Circle One:
Specific Conductance:		10% μs/cm ms/cm
р <b>Н:</b>		+/- 0.5
Temperature:		+/- 1 C °F °C
ORP:		mV
7		
Notes/Comments: Stoke to Isa	ac Jr. Lominus about is	reignition well if we could by but will check on finday.
comple, he stated he	cannot turn it on toda	y but will check on thiday.
A CONTRACTOR OF THE PROPERTY O	MINISTER OF THE PROPERTY OF TH	
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Well Configuration		
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Recorded By:

# Tap Water Sampling Data Sheet (for single-point sampling or pre-filter only)

Well.ID: LRG-956	Sample ID:		Sample Time:
Well owner/location/residence: Domir	yur Dain 2	i	
Street address:		A	
Filtration system? (circle one) / Y N		Angel N. Ri	trs.
Start purge time:	Weather. Sunny		
End purge time:	Purge Rate (gal/min):		
Sample collected at (circle as appropriate):	Wellhead tap	In-line	Hoùse tap
Field Parameters:			
Ťime: 💇			Within Circle One:
Specific Conductance:		•	10% μs/cm ms/cm
рН: <b></b>		+	/- 0.5
Temperature:	,	+	/-1.C °F °C
ORP:			mV
Notes/Comments: No water	comple out of	realize from teak.	Previously Reported
	ample.	(100)	The close of the
No pover on Paim. No S	u mp ie.	- Annual Control of the Control of t	
	- PARTITION OF THE PART		
Well Configuration			
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Recorded By: Unl MM

# Tap Water Sampling Data Sheet (for single-poit sampling or pre-filter only)

Well ID: <u>L26-4111</u>	<u> </u>	Sample ID:			Sample Time:	<u>}</u>
	- N	T) '	•			
Vell owner/location/residence: 5	is sky	Dury	•			
treet address:				. 7.		
iltration system? (circle one)			•	n. River	•	
tart purge time:		ather. Sunn				
ind purge time: 🗸 🛕	Pur	ge Rate (gal/m	<u>in):</u>			
ample collected at (circle as appr	opriate): We	ellhead tap		In-line	House tap	
•						
ield Parameters:						
Time:	<i>S</i>			With	in Circle	One:
Specific Conductance:	0			10%	6 μs/cm	ms/cm
pH:	8			+/- 0.	•	
. —	2			+/- 1.		°.C
Temperature:	<u>p</u>			1/- 1.		J
ORP:	v				mV	
lotes/Comments: Could not	- collect	Carolle	due.	to Daim Callect s did not y	Remond	
otes/comments. Coopa 7001	which	John The Control of t		to Dairy	1/0	<u></u>
ratue thom previous	s lines	that w	<u>r</u> would	collect s	augh. No	Sam
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Vell Configuration						
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Well ID: LRG-4001-POD-	Sample ID:		Sample Time:	9:50
Well owner/location/residence: Big	St. D.	-		
	ory Dainy			
Street address:				AND THE PROPERTY OF THE PARTY O
Filtration system? (circle one)	N Sampling person	nnel: Angel N-Riw	<u>e</u>	
Start purge time: N	Weather: 50			
End purge time:	Purge Rate (gal.			
Sample collected at (circle as appropriate	): Wellhead tap	In-line	House tap	
Field Parameters:				
Time: 9:40	,		Within Cir	rcle One:
Specific Conductance: 276	7		10% µs/cm	ms/cm
pH: 7.36			+/- 0.5	I 1137 GHT
Temperature: 24.2			'',-'0.5; +/-1C	°C
ORP: 151			_	C
OK . 151			_ mV	
Notes/Comments: Value been 10	by Linda.			
		The state of the s	***************************************	
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			***************************************	
Well Configuration				· · · · · · · · · · · · · · · · · · ·
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Well ID: LRG-01874	Sample ID:		Sample Time: 9:25
D v	101. 7 . 2		
Well owner/location/residence: Buero V	ista Daim 2	·	
Street address:	1	1 1 264	
Filtration system? (circle one)	· ·	toge ( N. Rfuez	·
Start purge time: NA	Weather. Sunny		
End purge time: NA	Purge Rate (gal/min):		
Sample collected at (circle as appropriate):	Wellhead tap	In-line	House tap
Field Parameters:		1	
Time: $9:15$		. Wii	thin Circle One:
Specific Conductance: 2150	•	10	0% μs/cm ms/cm
pH: 7.30		+/- (	0.5
Temperature: 13.8		+/- *	ic °F °C
ORP: 199			mV
O/1			
Notes/Comments: Collected saw	sole from too	of tank usin	baster and poly Rope
	W.C. The sales		
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Well Configuration			
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Recorded By: Aulhan

Well ID: <u>LRG-3348-As</u>	Sample ID:		Sa	mple Time:	11:00
Well owner/location/residence: Susst	Davin	•	•		
Street address:	Dairy	•			
Filtration system? (circle one) N	Sampling personnel	· A 1	W. Rivera		······································
Start purge time: MA	Weather: Sunny	MASON	. 1007		
End purge time: NA	Purge Rate (gal/min				·····
Sample collected at (circle as appropriate):	Wellhead tap		In-line	House tap	
· · · · · · · · · · · · · · · · · · ·				Trodoo tap	•
Field Parameters:					
Time: 10:56			Within	Circle	e One;
Specific Conductance: 3928	-		10%	μs/cm	ms/cm
pH: 7.48			+/- 0.5		
Temperature: 21.1			+/- 1 C	°F	°C
ORP: <b>264</b>				mV	
		. >			
Notes/Comments: Collected samp	le finem in	cide Pai	'm farlor.		*********
					***************************************
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Well Configuration		· · · · · · · · · · · · · · · · · · ·			
yyen comgulation					
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Vell ID: LRG-3348-B	Sample	e ID:		Sample	Time: 10	<u> </u>
			-		•	
ell owner/location/residence: Suns	GT Dain					
treet address:		•				
iltration system? (circle one) N AY	N Sampling p	personnel: Amel	1. Rivers			
tart purge time: NA	Weather:					
ind purge time: MA	Purge Rate	e (gal/min):	-			
Sample collected at (circle as appropria	te): Wellhead	tap	In-line	Но	use tap	,
ield Parameters:	1					
Ťime: <b>/0:</b> 3	20		,	Within	Circle Or	ie:
Specific Conductance: 222	19			_ 10% · μ	s/cm r	ns/cm
pH: <u>7.61</u>	0			+/- 0.5		
Temperature: 21.	ን			+/- 1 C	°F	°C
ORP: 173	<b>,</b>			_ mV		
		\ \ \ \ \ \	,	( A.		١.
lotes/Comments: (olluted S	sample time	top of tou	ik using	Ourker au	1 poy	rope:
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Vall Configuration						
Vell Configuration						
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Recorded By Jul- Mm

(for single-port sampling or pre-filter of  $48 - 5^{-3}$ 

Well ID: LRG. 3384 CAA Twin	Sample ID:		Sample Time: 10:15
Well owner/location/residence: Suns	ET Dala	•	
Street address:	er bary		
Filtration system? (circle one)	N Sampling personnel: A	1 D la	
Start purge time: NA		ngel N-Rhera	
	Weather: Sunny		
End purge time:	Purge Rate (gal/min):		
Sample collected at (circle as appropriate	e): Wellhead tap	In-line	House tap
Field Parameters:			
Time: <b>_( 6: 0 \$</b>		l w	ithin Circle One:
Specific Conductance: 2996			0% μs/cm ms/cm
pH: 7.40			0.5
Temperature: 2 0			1C °F °C
ORP: (\\			mV
			(114
Notes/Comments: Trn on Inc. Changed LPG-3348-S	gatton nell by Lina -3 Twin S	lg. Fer Linda	well ID was
			HAMANAMATA A
		N/20110A	
			•
Well Configuration			
-			•
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•			
	•		
			•

Recorded By: And Um

Sheet _ (_ of _ 1 Date: _ 3 - 13 - 2 4

# Tap Water Sampling Data Sheet (for single-port sampling or pre-filter only)

Well ID: LRG-3348-5-2	Sample ID:	•	Sample Time: 10:35
Twin N		-	
Well owner/location/residence: SunsET	-Dain		
Street address:			
Filtration system? (circle one) NAY N	Sampling personnel:	Insel N. Rivera	
Start purge time: AA	Weather: Sunny		
End purge time:	Purge Rate (gal/min):		
Sample collected at (circle as appropriate):	Wellhead tap	In-line	House tap
Field Parameters:			
Time: (0; 2 (		With	nin Circle One:
Specific Conductance: 3140		10'	% μs/cm ms/cm
рН: <u>7.37</u>		+/- 0	5.
Temperature: 20·5		+/- 1	C °F °C
ORP: 67			mV
Notes to an include Tree A . For it	434 . 11 h	Linda.	
Notes/Comments: Turn ow irrig	iglion well b.	unas.	
Well Configuration			
Well Configuration			
		•	,
		•	
			,
•			
•			
•			
			•

Recorded By: Oul an

Well, ID: <u>LR6-940-POD 2</u>	Sample ID:		ample Time:
Well owner/location/residence: SunsET	Dalm		
Street address:	(Mir)		
Filtration system? (circle one)	Sampling appropriate A.	al al Palman	
Start purge time: MA	Sampling personnel: Any Weather: Sunm	C( p. 17.02	
End purge time:	Purge Rate (gal/min):		
Sample collected at (circle as appropriate):	Wellhead tap	la Itaa	11
cample conceded at (circle as appropriate).	weinteau tap	In-line	House tap
Field Parameters:			
Time: 🍎		Withir	n Circle One:
Specific Conductance:		10%	μs/cm ms/cm
рН: 💆		+/- 0.5	
Temperature:		+/- 1 C	
ORP: 7			mV
7			
Notes/Comments:	•	No Sample	- Per Linda ot working.
		Stated No	ot working.
		-	
Well Configuration			
		•	
•		,	
·			
			,
			·

Recorded By: Olul am

	1 1	
Sheet .	of	
Date:	3-14-24	÷

Well ID: <u>LRG-58</u>	20	Sample ID:			Sam	nple Time: _	14:15
Well owner/location/residence:	7.100	Dain		-			
Street address:	Det Oil	Decity	•				
Filtration system? (circle one)	AY NS	ampling perso	onnel: Any el	1 Bu	3		
Start purge time: MA		/eather: Su					
End purge time:		urge Rate (ga	1				
Sample collected at (circle as a		Wellhead tap	, , , , , , , , , , , , , , , , , , , ,	In-line		House tap	
Field Parameters:							
Time:	14:05			-	Within	Circ	le One:
Specific Conductance:	2180				_ 10%	μs/cm	ms/cm
pH:	7.28				+/- 0.5		
Temperature:	22.6				+/- 1 C	°F	°C
	207				_	mV	
	,	_					. 0
Notes/Comments: Collect	nd Sample	From -	top of tax	n # using	boule	r and f	by Rope.
	-						
							· · · · · · · · · · · · · · · · · · ·
A. Marketine							
							-
Well Configuration							
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							4
			.4				
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r		,					
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			•				
	•						

Recorded By: Jul hr

Vell owner/location/residence: Down	Sample ID:	-	Sample Time:
- 0.00	mar Dain 1		
treet address: W/A		TANK TANK	
Stration system? (circle one) 4 Y	N Sampling personnel: A	mel M. River	
tart purps time: w/g	Weather:	770 77- 150	
hd purge time: Ma	Purge Rate (gal/min):	120-100-100	
sample collected at (circle as appropriate)		in-line	House tap
Field Parameters:		-	
Time:		W. W.	fithin Circle One:
Specific Conductance:			10% µs/cm ms/cm
pH:		+/-	0.5
Temperature:		+/-	10 °F °C
ORP:			mV
iotes/Comments: No Sample	01111		
Well Configuration			
Control of the Contro			
0.300			
	7 52		

Well ID Site Depth to Pour Depth to Work Total Depth	- /ater ,	feet 3 <b>9:76</b> feet 45.95 feet	D Ti W He	LEVEL DATA ate Gauged ime Gauged /ell Diameter eight of Fluid Colume in Well = 12.25	olumn (	.19 fe	ches
Time/date F	Purged <u>//:                                  </u>		ROUNDWATE	R SAMPLING rged Method		,	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)
12:20	5	5	22.0	4642	7.50	163	2.36
12:40	<i>5</i>	13	22.4	4603	7.33		
							•
			1				
	alyses			I Measurement ed/Sampled By	s stabilized with	nin ± 10%	
				•			•

Well ID  Site  Depth to PSH  Depth to Water  Total Depth	5-02 tain View 49.26 feet 49.82 feet	D Ti W He	LEVEL DATA Pate Gauged ime Gauged  Vell Diameter eight of Fluid C Dlume in Well  Electric Column in Well	olumn 0	.56 fe	ches
Time/date Purged 13:		•	R SAMPLING	DATA Bail		
Time Purge Vol (gal) 13:37 .25 13:52 .75 14:15 .25	Cumul Purge Vol (gal) - 25 1	Temp (°C) 2(.8 21.6 22.0	SpC (µs/cm) 4675 4648 4661	7.60 7.44 7.29	ORP (mV)	DO (mg/L)
Actual Purge Volume 1.7 Time/Date Sampled 14:3 Sample Method Buil Requested Analyses	5 2-0-	<b>24</b> Purg	! Measurement ed/Sampled By	s stabilized with	in ± 10% _ <b>y</b>	
Comments/Observations \( \)	very low w	ater f	low.			

Well ID Site Depth to Pt Depth to W	ater	feet	D Ti W	LEVEL DATA ate Gauged me Gauged  'ell Diameter eight of Fluid C		.86 fe	ches et
Total Depth	4	<u>1.65</u> feet (3.1	Vo Well Volumes =	olume in Well		227 ga	llons .
Time/date P	urged <u>9:4</u>	7 2-1	ROUNDWATE	R SAMPLING			
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC		000 ( ) 0	
10:15	2	2	17.1	(µs/cm) 7125	7.30	ORP (mV)	DO (mg/L)
10:25	1	3	19.9	7005	7.26	226	7-03
10:35	1	4	19.7	7030	7-19		
٠.							
					:		
	·					•	
Actual Purge V	/olume 6	gals	Field	Measurement	s stabilized with	in ± 10% _ 🗡	
Sample Method	d Bail	0-1	Purg	ed/Sampled By	M.N		
Requested Ana			•	•			
Comments/Obs		ow water	recovery				

Well ID Site Depth to P Depth to W Total Depth	PSH Vater	-04 tain View 37.83 feet 47.85 feet	) V H	DEVEL DATA Date Gauged Fime Gauged  Vell Diameter deight of Fluid Colume in Well  = \$.! (	1.	2.02 fe	DY oches eet allons
Time/date F	Purged <u>/4:5</u>	8 2-10	•	ER SAMPLING		<del></del>	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)
15:12	2	2	22.0	4563	7.74	144	2.17
15:25	2	4	22.5	4313	7.50		
15:32	1.50	5.50	22.6	4490	7-31		
13:34	.25	5.75	22.4	4494	7-26		
	·						
							•
Actual Purge V	olume 7.25	gals	Field	Mossyromank	s stabilized with	<b>V</b>	
Time/Date Sam				ed/Sampled By		In ± 10%	-
Sample Method			, ruig	our campied by	71.10		
Requested Ana	•		•	•		-	
Comments/Obs			<u> </u>		•		
				·			

Well ID Site  Depth to P Depth to W Total Depth	DA SH		D T W H Vo Well Volumes :	,	gallons)	60 fe	ches et illons
Time/date F	Purged <u>9:21</u>		ROUNDWATE		Ba;/	<del></del>	
Time 9:27 9:35 9:51	Purge Vol (gal) - 25 - 25 - 50	Cumul Purge Vol (gal) - 25 . 50	Temp (°C) 20.4 21.9 23.3	SpC (µs/cm) 2501 2422 2365	pH 7.44 7.32 7.23	ORP (mV)	DO (mg/L)
Actual Purge \ Time/Date Sar Sample Metho Requested And Comments/Obs	mpled 10:20 d Bail	gals 3-1 ow water	· 24 Purg	l Measurement ed/Sampled By	s stabilized with	in ± 10% <u>Y</u>	

•	•						
•	•		FLUID	LEVEL DATA			,
Well ID	DAT	0-02	D	ate Gauged	·	3-4-2	4
Site	DAT	D's	Ti	me Gauged	1	0:50	•
•		•					
Depth to P	SH	feet	W	/ell Diameter		2 · inc	ches
Depth to W	/ater (	<u>22</u> feet	He	eight of Fluid Co	olumn 0	24 fe	
Total Depth	ı <b>6</b>	8.46 feet		olume in Well		040	illons
		(3		= <u>0.12</u>	gallons)	<u> </u>	
			· · · · · · · · · · · · · · · · · · ·	,			
		G	ROUNDWATE	R SAMPLING I	DATA		
Time/date F	ourged 10:50	6 3-4	1-24 Pu	rged Method	Bail		
	<u> </u>	Cumul				•	
Time	Purge Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pН	ORP (mV)	DO (mg/L)
11:05.	.25	.25	22.5	3392	7.62	150	2.56
11:12	.25	. 20	22,2	3347	7.50		
11:20	-25	.75	2a. l	3311	7.36		
		•					
							•
	<u> </u>						
ctual Purge \	Volume 1-25	gals	· Fleic	l Massuramant	s stabilized with	in 1400/ V	
ime/Date Sar	npled 11:45	3-4-	$\sim 11$	ed/Sampled By		IIII ± 10% _ <b>7</b>	_
ample Metho	~ · · ·				771.10		
equested Ana							
	servations <u>lu</u>	ow water	flow.	•	•		
						<del></del>	

Well ID	DAI	<u>)-03</u>		LEVEL DATA ate Gauged	· •	3-4-21	<u>(</u>
Site	DA.	<u>D'S</u>	. т	ime Gauged		12:51	
Depth to P Depth to W Total Depth	/ater	feet 14.66 feet 18.90 feet (3	H	/ell Diameter eight of Fluid Co Diume in Well =	0.	24 fee	ches et Ilons
Time/date F	Purged <b>(2 : 5</b>	b 3.4		R SAMPLING		·	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pН	ORP (mV)	DO (mg/L)
13:08		1	21.2	2577	7.43	101	1-93
3:21		2	21.3	2562	7.31		
3:30	.50	2.50	21-4	2578	7-20		
	· · · · · · · · · · · · · · · · · · ·				·		
	· · · · · · · · · · · · · · · · · · ·						
							,
		-					
	·						
Actual Purge \ ime/Date Sal ample Metho	_	9 gals		d Measurement ged/Sampled By		nin ± 10% <u>/</u>	_
equested,An					•		
omments/Ob	servations _	ow uster	flow				
					•		

•		,	FLUID	LEVEL DATA		. ` .	
Well ID	DAD	0-04		Date Gauged		3-5-24	<b>/</b>
Site	DAD	· <u> </u>	T	ime Gauged	_	8:45	•
Depth to F Depth to V Total Dept	- Vater	feet 1 <u>7.54</u> feet 1 <u>8.75</u> feet (3	V	Vell Diameter leight of Fluid C olume in Well	olumn	2) fe	ches et allons
Time/date I	Purged <b>§:5  </b>			ER SAMPLING	<b>~</b> 1	<del>,     </del>	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (=-41)
8:58	.25	.25	18.3	3320	7.72	118	DO (mg/L) 2-55
9:04	-25	.50	18.0	3272	251	(10	7,00
9:10	.75	.75	18.9	3267	7-38		
9:15	-25	(	18.8	3284	7.30		
		•					
	·						
Actual Purge \ Time/Date Sar Sample Metho	mpled $9:35$	gals 3-5	ำวน	d Measurements ged/Sampled By	_	in ± 10% <u></u>	_
Requested Ana	alyses				4		
Comments/Obs	servations			•			
•							

Well ID Site Depth to Pour Depth to W Total Depth	DA I	D - 05 D' 5 feet 16:47 feet 23.10 feet	D T W	LEVEL DATA late Gauged lime Gauged  Vell Diameter leight of Fluid Coolume in Well  1 3 3 8	olumn 6	0.63 fe	ches
Time/date P	ourged <u>14: 4</u>		ROUNDWATE	R SAMPLING	(	<del>, -</del>	
Time 14:55 15:05 15:21	Purge Vol (gal)	Cumul Purge Vol (gal)  1  2  3.50	Temp (°C) 18-7 18-4 18-1	SpC (µs/cm) 1776 1929 1971	рн 7.39 7.28 7.20	ORP (mV)	DO (mg/L) 1-29
Actual Purge V Time/Date San Sample Method Requested And Comments/Obs	npled 15:43 d Buil alyses			Measurement	s stabilized with	nin ± 10%	

Well ID Site Depth to Pour Depth to Work Total Depth	DA:	D·06R D's feet 85.73 _{feet} 102.10 feet	D T W H	LEVEL DATA Date Gauged ime Gauged Vell Diameter eight of Fluid Colume in Well  - 9 34	olumn [	3-5-24 11:30 2 in 6.37 fe 2.782 ga	ches
Time/date F	ourged <u>[[:3</u>			R SAMPLING			
Time	Purge₊Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)		000/10	DO ( #)
12:00	3	3	24.3	(081	8-01	ORP (mV)	DO (mg/L) /- 03
12:16	3	6	24.1	1109	7.55	120	(* 0 )
12:32	3	9	24.6	1183	7.28		
•							
		•					
	,						
Actual Purge \ Time/Date Sar	npled 12:5	D 3 -	Field 5-24 Purg	d Measurement ped/Sampled By	s stabilized with	nin ± 10% <u></u>	_
Sample Metho	•			•			
Requested Ana Comments/Obs	-						
· ·	servations					,	
							•

Depth to PSH	LUID LEVEL DATA	UDL	Fl	•		
Depth to PSH				0-07	DAT	Well ID
Depth to PSH	11.11.01		•	D's	DA	Site
Depth to Water 74.09 feet Height of Fluld Column 1.15 feet Volume in Well (3 Well Volumes = 3.34 gallons)  GROUNDWATER SAMPLING DATA Time/date Purged 14:12 3.8.24 Purged Method 8a.1  Time Purge Vol (gal) Purge Vol (gal) Temp (°C) (µs/cm) pH ORP (mV) DO (null 23.6 5037 7.77 141 2.3 14:36 1 2 23.7 5164 7.62 14:55 1.50 3.50 22.9 5128 7.44 14:58 .25 3.75 22.8 5120 7.30		,,				
Depth to Water Total Depth	Well Diameter 3 inches	We		feet	SH	Depth to Ps
Total Depth	1 =1				ater	Depth to W
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 110					•
GROUNDWATER SAMPLING DATA  Time/date Purged 14:12 3.8.24 Purged Method Bail  Time Purge-Vol Cumul Purge Vol (gal) Temp (°C) SpC (µs/cm) pH ORP (mV) DO (iii)  14:24   1 23.6 5037 7.77 141 2.3  14:36   2 23.7 5164 7.62  14:55   1.50 3.50 22.9 5128 7.44  14:58 .25 3.75 22.8 5120 7.30	• • •		Neil Volu		•	
Time / Gail   Purge Vol   Cumul   Purge Vol   Gail   Purge Vol   Gail   Purge Vol   Femp (°C)   SpC	mes galloris)	1100	vali vala	,0		
Time / Gail   Purge Vol   Cumul   Purge Vol   Gail   Purge Vol   Gail   Purge Vol   Femp (°C)   SpC	VATER SAMPLING DATA	<b>V</b> ATEF	ROUNDI	G		
Time Purge Vol (gal) Purge Vol (gal) Temp (°C) (µs/cm) pH ORP (mV) DO (null (gal)) Purge Vol (µs/cm) pH ORP (mV) DO (null (gal)) PH QRP (mV) D					Purged [4:1]	Time/date F
Time Purge Vol (gal) Purge Vol (gal) Temp (°C) SpC (µs/cm) pH ORP (mV) DO (no. 14:24		T	· .			
14:24 1 23.6 5037 7.77 141 2.3 14:36 1 2 23.7 5164 7.62 14:55 1.50 3.50 22.9 5128 7.44 14:58 .25 3.75 22.8 5120 7.30		°C)	Temp	Purge Vol		Time
14:36 1 2 23.7 5164 7.62 14:55 1.50 3.50 22.9 5128 7.44 14:58 .25 3.75 22.8 5120 7.30		6	23.	1	1	14:24
14:55 1.50 3.50 22.9 5128 7.44 14:58 .25 3.75 22.8 5120 7.30		7	23.	<u>j</u>	1	14:36
14:58 .25 3.75 22.8 5120 7-30	0	9		_	1.00	14:55
		2				14:58
	5 3120 7 30	+	<u> aari</u>	J, (J	- 0 0	1170
		-	-	•		
F (1)				n		
Actual Purge Volume 5.50 gals Field Measurements stabilized within ± 10%	· · · · · · · · · · · · · · · · · · ·		2.1	_	•	
Time/Date Sampled 15:26 3.8.24 Purged/Sampled By A.N.	Purged/Sampled By A.N.	Purge	<u> 44</u>	2. R.		
Sample Method Bail			•		od Dail	Sample Metho
Requested Analyses		<u> </u>			alyses	Requested, An
Comments/Observations			<del></del>		servations	Comments/Ob

Well ID Site Depth to P Depth to W Total Depth	- Vater		C T W H V Well Volumes :		column 2 0. gallons)	.05 fe	ches et allons
Time/date F	Purged 11:2		Broundwate PL	R SAMPLING .urged Method _		<del></del>	
Time 11:27 11:32 11:36 11:38	Purge Vol (gal) . SD . SD . 25	Cumul Purge Vol (gal) .SD L.SD	Temp (°C) 20.7 21.2 21.1	SpC (µs/cm) (µ5/9 6097 6172 6164	7.64 7.50 7.32 7.29	ORP (mV)	DO (mg/L) 2.47
Actual Purge \ Time/Date Sar Sample Metho Requested And Comments/Obs	mpled 11:4 d Baril alyses	gals 63-		I Measuremen ed/Sampled B	ts stabilized with	nin ± 10%	

Well ID	D4: D4:	D-09		LEVEL DATA  Date Gauged  Time Gauged	<u></u>	3-11-24 12108	
Depth to P Depth to W Total Depth	/ater	feet 5 <u>7:63</u> feet 61:25 feet (3	F V	Vell Diameter Height of Fluid C Volume in Well = <u>/· &amp; /</u>	· 0.	1 3	ches et allons
Time/date F	Purged <u>[<b>[</b></u> ]://5	- n.		ER SAMPLING urged Method _	DATA Bail		
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:25	.50	.50	22.6	2725	7.35	132	1.83
12:45	l l	2	22.9	2912	7-21		
		· .					
				·			
Time/Date Sar Sample Metho Requested, And	d Bailalyses	gals 53-[[	Fiel	id Measuremeni ged/Sampled B	s stabilized with	nin ± 10% <u></u>	_
Comments/Ob	servations	• .					

•			FLUID	LEVEL DATA			
Well ID	Dal	<u>&gt;-10</u>	[	Date Gauged	_3	-11-24	
Site	<u>DA</u>	Dis	· т	ime Gauged	**************************************	8:50	
•				-		•	
Depth to P	•	feet	· · · · · · · · · · · · · · · · · · ·	Vell Diameter	-	<u> </u>	ches
Depth to W	/ater <b>{</b>	34.05 feet	Н	leight of Fluid C	column <u>9</u> .	<b>77</b> fe	et .
Total Depth	, <i>o</i>	3.82 _{feet}		olume in Well	1	660 ga	illons
•		(3	Well Volumes	= 4.98	gallons)		•
				•			
			ROUNDWATE	ER SAMPLING	DATA		
Time/date F	orged 8:5°	8 3-1	11.24 PI	urged Method _	Bail		
,	D	Cumul			· · ·	•	l ·
Time	Purge Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:15.	2	2	18.6	2197	7.37	159	1.63
9:27	2	4	18.4	2168	7.30		
9:40		5	18.5	2142	1 24	700 100 100 100 100 100 100 100 100 100	
			<u> </u>		7-0 (	_	
Ì							
							•
	·						
A street Dr	7						
Actual Purge \		gals	/		ts stabilized with	in ± 10% <u> </u>	<del></del>
Time/Date Sar	_ ' '	2-(	Purg	ged/Sampled B	y H·N		
Sample Metho	-		•	•		•	
Requested Ana					•		
Comments/Obs	servations				7.222		
				•	•		•

•	•	•	· . FLUID I	LEVEL DATA	•	.*	
Well ID	DA'	D-11		ate Gauged		2-1-24	
Site	DAT	),	•	me Gauged		14:09	
•			,,,	me dauged	***************************************		
Depth to Pour Depth to Work Total Depth	ater a	feet 24.88 feet 17.55 feet	Не	ell Diameter eight of Fluid Co Diume in Well <u>44.88</u>	olumn 2	2.67 fe	ches et Ilons
Time/date F	ourged <u>17</u> :10	1 34	ROUNDWATE	R SAMPLING I	_		
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	РH	ODD (-) A	DO ( ' 11)
14:42	15	15	21.5	5696	7.76	ORP (mV)	2.55
15:05	15	30	21.4	5723	750	( ) (	<b>A</b> · J J
15:30	15	45	22.1	5458	779		
		•					
	,						
							•
Actual Purge \	Volume 50	gals	Fleld	Measurement	s stabilized with	un + 1004 <b>Y</b>	
Time/Date Sar			_ 11	ed/Sampled By		M11 1076 7	_
Sample Metho	,,				+1		
Requested And	,				•		
Comments/Ob	servations			•			

,		,	· 、 FLUID	LEVEL DATA	•	.•	
Well ID	DAD	-12	D	ate Gauged	3	-1-24	
Site	DAD	<u> </u>	Time Gauged			10:53	
		•			***************************************	•	
Depth to P	SH .	feet	· W	ell Diameter		2 · ind	ches .
Depth to W	/ater	5.19 feet 22.25 feet	Н	eight of Fluid C	$\overline{a}$	7.06 fe	
Total Depth	, 8			olume in Well		1 1 00	ilions
•		<b>(</b> 3	Well Volumes :	13.80	jallons)	•	
				,	•		
		G	ROUNDWATE	R SAMPLING I	DATA		
Time/date P	Purged <u>/0:5</u>	9 3	-1-24 PU	Irged Method _	Pump	<del></del>	
	Purge-Vol	Cumul Purge Vol		0-0			· ·
Time	(gal)	(gal)	Temp (°C)	SpC (µs/cm)	pН	ORP (mV)	DO (mg/L)
11:15.	5	5	21.0	4680	7.59	157	2.36
11:27	5	10	21.7	4617	7.40		
11:42	4	14	21.6	4603	7.25		
							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		•					
Actual Purge	Volume 19	gals	´ Field	d Measurement	s stabilized with	nin ± 10% 🗡	
	mpled 12:00	3-1		ed/Sampled By			<b></b>
Sample Metho	d Rmp						
Requested An	,						
Comments/Ob	servations			.•			
			•		``	-	

Well ID Site	DAD	0-13 0's	D	LEVEL DATA ate Gauged me Gauged		3-1-24 12:50	
Depth to Popth to Work Total Depth	/ater	feet 88.29feet 72.79feet (3	Н	ell Diameter eight of Fluid Co	0	(.50 fe	ches et allons
Time/date F	Purged 12:5	5 3-1	ROUNDWATE	R SAMPLING I	$\overline{}$		
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	Hq	ORP (mV)	DO (mg/L)
13:12.	(		22.6	4045	7-37	167	1-93
13-25	l	2	21.9	3993	7.32		
13:38	(	3	23-0	4002	7.25		
		٠					
	·			·			
Actual Purge \ Time/Date Sar	•	gals			s stabilized with	in ± 10% <u></u>	_
Sample Metho	~ ~ ~ ;	51		ed/Sampled By	H-N		
Requested Ana			•	•		<u>.                                    </u>	
Comments/Obs	-				•		
						· · · · · · · · · · · · · · · · · · ·	

Well ID Site Depth to P Depth to W	/ater $\tilde{3}$	5-14 )'S feet 2.32 feet 2.55 feet	Т V	LEVEL DATA Date Gauged Time Gauged Vell Diameter deight of Fluid C		$\frac{3 - (-24)}{15:56}$ $\frac{2}{0.23}$ fe	ches
Total Depth	ן ,			olume in Well = <u>5 · 2 (</u>	gallons)	· 739 ga	allons .
Time/date F	Purged <u>[6:16</u>			ER SAMPLING	0		
Time 16:21 16:32 16:43	Purge Vol (gal) 2 2 2	Cumul Purge Vol (gal)	Temp (°C) 21.9 21.7 21.6	SpC (µs/cm) 5892 6087 (6134	7.80 7.42 7.30	ORP (mV) /80	DO (mg/L) 2.47
	alyses			d Measurement ged/Sampled By		nin ± 10% _ <b>Y</b>	<u> </u>

Well ID Site Depth to P Depth to W Total Depth	- /ater	D-15 155 96.80 feet 109.90 feet (3	Т М	LEVEL DATA Date Gauged ime Gauged Vell Diameter eight of Fluid Colume in Well  - 6.68	column 1	3. 1 fe	ches
Time/date F	Purged 13',4	5 3·s	ROUNDWATE	R SAMPLING	DATA		
Time 14:05 14:20 14:45	Purge Vol (gal) 2 3	Cumul Purge Vol (gal) 2 4 7	Temp (°C) 23.9 24.1 24.3	\$pC (µs/cm) 3627 3785 3833	7.73 7.46 7.27	ORP (mV)	DO (mg/L) 2.76
Actual Purge \ Time/Date Sar Sample Metho Requested Ana Comments/Obs	npled <u>15:10</u> d <u>Punf</u> alyses		Field	f Measurement ed/Sampled By	s stabilized with	in ± 10% <b>/</b>	-

•			FLUID	LEVEL DATA	•	. •	
Well ID	DA	D-16	D	ate Gauged	3	-5-24	
Site	DA	Dis	т	ime Gauged		9:55	,
Depth to Popth to Work Total Depth	/ater	feetfeetfeet(3	H	Vell Diameter eight of Fluid Colume in Well $\frac{6\cdot82}{6\cdot82}$	2	3.38 fe	ches et allons
Time/date F	Purged 10:0	3 3-5-	ROUNDWATE	R SAMPLING	_	<del>, -</del>	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)		000 ( ) 4	<b>DO</b> / 111
10:18	3	3	18-7	2551	8.02	0RP (mV)	1.92
10:33	3	6	19-D	2530	7.61	110	1.10
10:45	1	7	18.9	2512	7.43		
10:47	-25	7.25	18-8	2504	7.29		
					1000		
	•						
							,
						•	
Actual Purge \ Time/Date Sar		gals		l Measurements		nin ± 10%	_
Sample Metho	d Pump					•	
Requested Ana	alyses _						
Comments/Obs	servations					<del></del>	

Well ID Site  Depth to P Depth to W Total Depth	SH /ater		\ \ Well Volumes		column 3	$\frac{8.02}{0.02}$ fe	ches et allons
Time/date F	Purged 13:1		$\dot{\sim}$ 1/	ER SAMPLING 'urged Method_		<del></del>	
Time	Purge⋅Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)
13:25.	3	3	22.0	1083	7.42	60	1.08
13:40	3	6	21.9	1097	7.34		
14:00	닌	10	21-5	1112	7.25	į.	
							*
Actual Purge \ Time/Date Sar Sample Methor	npled 14:15	3-7	<u>7-24</u> Pur	d Measurement ged/Sampled By		nin ± 10% _ <b>/</b>	
Requested, Ana	alyses		•		•		
Comments/Obs	servations						

Well ID Site Depth to P Depth to W Total Depth	/ater a	7-18 D'> feet 23.84 feet 7-15 feet	Т М Н	LEVEL DATA Date Gauged Time Gauged Vell Diameter eight of Fluid Colume in Well  Level 1	rolumn 3	3.31 fe	ches
Time/date F	Purged 9:57	3-8	ROUNDWATE	ER SAMPLING	DATA	<del>, -</del>	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pН	ORP (mV)	DO (ma/l)
10:13.	5	5	168	4068	7.48	163	DO (mg/L) 1-37
10:25	5	10	17.3	4039	7.37		
10:41	7	17	17.2	4010	7-26		
					·		
		•					
	·						
	·						
Actual Purge \	/olume <u>22</u>	gals	Field	l Measurement	s stabilized with	in ± 10% _ <b>Y</b>	
Time/Date Sar	mpled 10:58	3-8.	'/U	ed/Sampled By	<b>▲</b>		-
Sample Metho	d Yum	β		•			
Requested Ana	alyses		•				
Comments/Obs	servations			·		<del></del>	
					<u></u>		

		•	FLUID	LEVEL DATA			
Well ID	DAD	-(9		Date Gauged	3	-7-24	
Site	DAD	<u>'S</u>	•	ime Gauged		11:05	
		•					
Depth to Ps	SH .	feet	· V	Vell Dlameter		2 · ind	ches
Depth to W		5.37 feet	H	leight of Fluid Co	olumn <u>3</u>	3.98 fee	et .
Total Depth	,	1 <u>9.35</u> feet	V	olume in Well	5	776 ga	llons
		(3)	Well Volumes	= 17.32			•
	<i>i                                    </i>			ER SAMPLING I	_		
Time/date P	urged ((:1	1 3-7	+24 P	urged Method _	tump.	•	
Time	Purge Vol (gal)	Cumul Purge Vol	T (90)	SpC			
11:30	(gai)	(gal)	7emp (°C)	(µs/cm)	7.80	ORP (mV)	DO (mg/L)  2.34
11:46	6	12	22.2	4736	7.51	00	X. 2 (
12:04	/2	18	21.9	4769	7.32		
12:06	- 25	18.25	22.1	4744	7.27		
	43	(00)	<u>~ ~ ~ (</u>		TORT		
				*			
Actual Purge \	Volume <u>24</u>	gals	Fie	ld Measurement	s stabilized with	nin ± 10% <b>Y</b>	
	mpled 12:	75 3-7	1	ged/Sampled By			<del>-</del>
Sample Metho	d Punp				•		
Requested And	alyses				•	•	
Comments/Ob	servations			•			

. •			FLUID I	_EVEL DATA			
Well ID	DAI	20		ate Gauged	3-	11-24	
Site	DA	D's	Ti	me Gauged		17:03	
Depth to Depth to Vepth to Vepth to Vepth Depth .	Water	feetfeetfeet	Не	ell Diameter eight of Fluid Colume in Well			
Time/date	Purged		ROUNDWATE	R SAMPLING		<del></del>	
Time	Purge⋅Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pН	ORP (mV)	DO (mg/L)
<u>.</u>							
·							
						•	,
	·						
				Measurement ed/Sampled By	s stabilized with	in ± 10%	-
	bservations <u>V</u>	ull olan	ased f	nt bail	er will me		
in. Prev	iously Re	arted.			77	- 90	
	•	• .	•		,		

		٠.	FLUID	LEVEL DATA						
Well ID	DAT	<u>)-21</u>	. D	ate Gauged	3	-11-24				
Site	DAI	) ⁵ S	· T	ime Gauged		0:18	•			
Depth to PSH feet										
Time/date F	Purged (0:25	3-11	•	R SAMPLING	_	<del>, -</del>				
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)			
10:46	2	2	20.9	3562	7.44	150	271			
11:09	(	3	21-7	3866	7.34					
11:24	(	4	21.8	4044	7.22					
					·					
		•								
						_				
Sample Metho	mpled <u>11:50</u> od <u>Bai</u> (	gals 3-((/		d Measurement ged/Sampled By	s stabilized with	nin ± 10% <u></u>	_			
Requested And Comments/Ob	-									
,	SOI VALIOI IS					,				
		• .								

,			FLUID	LEVEL DATA	,			
Well ID	DAY	D-22	D	ate Gauged		3-11-21	1	
Site	DAI	),è	т	ime Gauged	-	_13:11		
•		•		-		•		
Depth to P	SH	feet	·	/ell Dlameter		2 · in	ches .	
. Depth to W	/ater	47.25 feet	Н	eight of Fluid C	olumn 🗸	).80 _{fe}		
Total Depth	n <b>5</b>	0.05 feet		olume in Well	****	. 476 ga		
		(3	Well Volumes :	1.42	-	<u> </u>		
		G	ROUNDWATE	R SAMPLING	DATA			
Time/date F	Purged 13:10	- 3-11	-24 PL	Irged Method _	Bail			
	Purge Vol	Cumul Purge Vol	Ī			·		
Time	(gal)	(gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)	
13:28.	.50	.50	22.4	2734	7-68	135	2.74	
13:41	.50	)	22.6	3587	7.43			
13:55	· <b>S</b> D	1.50	22.7	3505	7-31			
		•						
						-		
Actual Purge \	/olume 3	gals	. Field	Messuromont	o otobili d with	nin ± 10% <u> </u>		
Time/Date Sar	, ,			ed/Sampled By		11n ± 10% _/	_	
Sample Metho			<u> </u>		7740	•		
Requested Ana						·		
Comments/Obs		ing low a	nater flow	1. Slow an	tou re-			
· .				. JOW WA	1-1 10000	<del>"</del>		
					•		•	

Well ID Site Depth to P Depth to W	ater -	5-23 5-23 6eet 46.54 feet	,	D LEVEL DATA Date Gauged Time Gauged  Well Diameter Height of Fluid C	Column 1	1.21 fe	ches
Total Depth	1		Well Volumes	Volume in Well $= 5.71$ ER SAMPLING		·905 ge	allons .
Time/date P	urged <u>9:11</u>	3-		onethod _	_	<del></del>	
7:31 9:45 9:57	Purge Vol (gal) 2 2	Cumul Purge Vol (gal)	Temp (°C)  22.1  22.7  22.8	SpC (µs/cm) 2790 2433 2454	PH 7.57 7.48 7-29	ORP (mV)	DO (mg/L) 2-10
Actual Purge V Time/Date Sam Sample Method Requested Ana Comments/Obse	pled <u>10:28</u> Ba. ( lyses	_gals 3 3-4	1	d Measurement ged/Sampled By	_	in ± 10% _ <b>/</b>	

Well ID Site Depth to P	<u>DAT</u> DAI	)'5 feet	D T	LEVEL DATA Pate Gauged ime Gauged		3-7-24 8:58	
Depth to W	/ater	67.09 _{feet}	Н	Vell Diameter eight of Fluid C olume in Well = <u>(8 · 57</u>		3.46 fe	ches et illons
Time/date F	Purged <u><b>9:04</b></u>	3-7-	•	R SAMPLING	_	<del></del>	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	Нq	ORP (mV)	DO (mg/L)
9:21	6	6	22.2	4403	8-25	169	2.30
9:45	6	12	22.4	4421	7.85		
10:15	7	19	22-3	4468	7.30		
10:18	-25	19.25	22.5	4454	7.29		
							*
							•
Actual Purge V Time/Date San Sample Methor Requested Ana	npled <u>10:50</u> d <b>Rump</b> alyses	3-7	<b>-2</b> 4 Purg	ed/Sampled By			
Comments/Obs	servations $S$	low wat	er flow	coming ou	t of pump	<del></del>	

			FLUID	LEVEL DATA			
Well ID	DAT	)-25	. [	Date Gauged		3-8.24	
Site	DAI	<u>7,7</u>	. т	ime Gauged		12:36	,
•				-		•	
Depth to P	PSH .	feet	t · V	Vell Diameter		2 · in	ches .
. Depth to W	√ater	67.20 _{feet}		leight of Fluid C	Column /	2 22	et
Total Depti	h	77.20 feet		olume in Well	.	22	allons
			Well Volumes		gallons)	y	
					34110(10)		
		(	GROUNDWATE	ER SAMPLING	DATA		
Time/date F	Purged 12:4		- 1	urged Method _			
		Cumul	 			···	1 .
Time	Purge Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	Hq	ORP (mV)	DO ( ' ")
12:52	2	2	21.4	3810	7.80	131	DO (mg/L) 2-93
13:08	2	4	22.0	3485	753	101	2-13
13:21	2	6	22.0	3427	7.33		
13:26	-25	6-25	22.2	3404	7 20		
		<u> </u>	00.0	3 ( )	7.21		
							•
						,	
	8						
Actual Purge \		gals	Field	d Measurement	s stabilized with	in ± 10% 🗡	_
Time/Date Sar		3-	8'24 Purg	ed/Sampled By	A.N		
Sample Metho	d Dail			•	-	·	
Requested Ana	-				•		
Comments/Obs	servations <u>w</u> o	iter level	ust dow	at 4 ga	ls. Slow		
water rec	own						

•			•	•		•	
	500	- 1	FLUID	LEVEL DATA			•
Well ID		1-26		Date Gauged		3-11-2	4
Site	DAD'S			Time Gauged			
•							
Depth to P	SH _	feet	· v	Vell Diameter		2 · in	ches .
Depth to W	/ater	<u>50.00</u> feet	Н	leight of Fluid C	olumn L	2.25 fe	
Total Depth		2.25 feet		olume in Well	_	60	illons
				=6.24		ga ga	mons .
			voii voidiles	- W. O. 7	galions)		
						•	
mant	15.5		-11	ER SAMPLING			
Time/date F	Purged <u>15; 5</u>		PI	urged Method _	13ail	<del></del>	
	Purge Vol	Cumul Purge Vol		SpC			
Time	(gal)	(gal)	Temp (°C)	(µs/cm)	pH	ORP (mV)	DO (mg/L)
6:05.	2	2	23.7	14420	7.83	140	1.34
6:17	2	4	23.6	4370	7.58		<b>\</b>
6:35	2.50	6.50	23.5	4295	7.30		
6:37	.25	6-75	73.U	477	7.07		
			~ J · (	-( <i>d</i> /)	7-27		
							•
	·						
L							
ctual Purge \	Volume 8.5	O gals	´ Fiel	d Measurement	ts stabilized with	nin + 10% <b>/</b>	
	mpled <u>16:5</u>			ged/Sampled B		1070 <u>r</u>	_
ample Metho	_ · ·			J Ampied D	71-	•	
equested An	•		•	•		<u> </u>	
omments/Ob		0			•		
· · · · · ·	GOI VALIOI IS			•		<del></del>	
· · · · · · · · · · · · · · · · · · ·	•		•	•	•		•

•	•		FLUID	LEVEL DATA	•		
Well ID	DA	D-27	. [	Date Gauged	3	-11-24	
Site	DA	Dics	•	ime Gauged		4:30	•
•		•		-	<u> </u>		
Depth to P	rsH	feet		vell Diameter		<b>2</b>	<b>-1</b>
Depth to W	/ater -	27.54 feet		eight of Fluid C		21/	ches
Total Depti	h .	37.65 _{feet}		olume in Well	Oldfill	310	
				= 5.15		/( O ga	allons
		(3	vveii volumes	=	gailons)		
Time a label a l	ourged 14:35	G 7:1		R SAMPLING			
i ime/date i	ourged ( ( )		1 <i>0</i> 17 Pl	urged Method _	Bail	<del></del>	
	Purge Vol	Cumul Purge Vol		SpC			,
Time	(gai)	(gal)	Temp (°C)	(µs/cm)	pH	ORP (mV)	DO (mg/L)
14:46	2	2	21.6	3023	4.90	132	2.27
14:58	2	4	21.8	3011	7.72		
15:09	1.50	5.50	21.9	2925	7.43		
15:11	-25	5.75	22.0	2910	7-29		
		·					
	·				-		
		1					
,	7.0					<u></u>	
	Volume $7.5$			d Measurement	s stabilized with	in ± 10% <u> </u>	_
	npled 15:3	0 3-	11/24 Purg	ed/Sampled By	AiN		
Sample Metho	d Bail			•		·	
Requested Ana	alyses			~	•	· 	
Comments/Obs	servations			•			
				•			

		,	· . FLUID	LEVEL DATA	٠	. •	
Well ID	25	7-01		Pate Gauged		2-23-2	4
Site	Sinse	7-0/ T Daing	•	ime Gauged		9:37	
•						· ·	
Depth to P	SH	feet	W	/ell Diameter	7	2 · in	ches
. Depth to W	/ater a	7 <u>2.52</u> feet	н	eight of Fluid C	olumn 3	·33 fe	
Total Depth	, 2	2 <u>5-85</u> feet		olume in Well		-1	illons
		(3)		1.69		95	
		G	ROUNDWATE	R SAMPLING	DATA		
Time/date P	Purged <u>9:4</u>	4 2-23			Bail		
		Cumul				<del></del>	
Time	Purge⊦Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:53.	.50	-50	19.7	5433	7.47	161	2.31
10:01	.50	1	19.8	5445	7.40		4,00
10:17		2	19.9	5410	7.29		
		•					
		·					
							•
Actual Purge V	olume 4	gals	´ Field	Measurement	e stabilizad with	nin ± 10% <u></u>	
Time/Date San			_ /	ed/Sampled By	_	IIII ± 10% _/	_
Sample Method	<b>~</b> · · ·				1170		
Requested Ana						•	
Comments/Obs					•		
							•

Well ID 257	-^ <b>7</b>		LEVEL DATA			
Site Sunse		•	ate Gauged		2-23-5	24
	1 sary	Ti	ime Gauged	H	10:52	·
	feet <b>7-30</b> feet <b>80-86</b> feet (3 V	He Vo	Vell Diameter eight of Fluid Colume in Well e / Y /	0	2 in .56 fe	
Time/date Purged /0:5	7 2-23	•	R SAMPLING	_		
Purge Vol	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)			
11:10	1	19.1	4106	7.73	ORP (mV)	1.96
11:15 .50	1.50	19-2	4091	7.50		1.16
11:20 .50	2	19.0	4035	7.36		
11:25 .25	2.25	19.3	4010	7.30		
	·					
·						
Actual Purge Volume 4  Time/Date Sampled 11:46  Sample Method Ben'	_ gals 		Measurements ed/Sampled By	s stabilized withi	in ± 10%	_
Requested Analyses						
Comments/Observations		<del></del>				

Well ID Site Depth to P Depth to W Total Depth	SH .		Da Tir We He Vo Well Volumes =	, •	gallons)	2.2:	incl	nes
Time/date F	Purged 13:00	0 2-23.	ROUNDWATER	R SAMPLING  ged Method _		·		
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP	(mV)	DO (mg/L)
				-			`	<u> </u>
		_						
	•							
					····			
Actual Purge \	/olume	nale	· Floid	Management				
			- Lieid	Measurement			%	
Sample Metho			, Purge	ed/Sampled B	y_ <del></del> _		•	
Requested Ana		· · · · · · · · · · · · · · · · · · ·		•				
	•	4 -1.		. 1	<u>.</u>	. 4		
Comments/Obs			cominy ou	it on be	riler. A	0		
readings	or san	pies.		•		,		

•			· 、 FLUID	LEVEL DATA	•	•	
Well ID	Mu Su <u>nse</u> t	1-4	. [	Pate Gauged	2	-23.24	
Site	Su <u>nset</u>	Dain	Т	ime Gauged		13:55	•
Depth to	PSH	feet	·	Vell Diameter		2 · inc	ches .
. Depth to	Water	33.19 feet	Н	eight of Fluid C	olumn (	76 fee	
Total De	pth	39.95 feet		olume in Well		1110	llons
•		(3	Well Volumes	= 3.44	gallons)		
			7				
		G	ROUNDWATE	R SAMPLING	DATA		
Time/dat	e Purged <u>/<b>4</b>:</u> 0		1	rged Method _	<b>~</b> ,		
		Cumul			· · · · · · · · · · · · · · · · · · ·	<del>,                                     </del>	•
Time	Purge Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pН	ORP (mV)	DO (mg/L)
14:15	. 1	1	21.5	6047	8.00	101	2.48
14:25	- 1	2	21-6	6085	7.53		Δ ( )
14:45		Ч	21.7	6041	721		
14:48	.25	4.25	21.6	6038	7.31		
, , , ,		123	21.0	0000	1.31		
4 . t l D	/				•		
	e Volume 6	_			s stabilized with	in ± 10% /	-
	Sampled <u>/5: 2</u>	0 2.3	<u>. <b>)</b> </u>	ed/Sampled By	A.N		
	thod Bail			•		· .	
Requested	-				•		
Comments/0	Upservations					<del></del>	

•			· . FLUID	LEVEL DATA	٠		
Well ID	74-	01		Date Gauged	•	2-19-24	
Site	Buena	Vista II	•	ime Gauged		9:18	•
		,,				7	
Depth to P	SH	feet	. v	Vell Diameter		4	ches .
Depth to W	-	37.69 feet		leight of Fluid C	olumn	) 63	
Total Depth	, <b>L</b>	1526 feet		olume in Well	Oldinii	4.996 fe	
			v Well Volumes	14.90	gallons)	1 / 10 ga	illons .
		(0	vveii voluiries		gallons)		
		c	ROLINDWAT	ER SAMPLING	DATA		
Time/date F	Purged <u>9:2</u>		•	urged Method _	_		
	1	Cumul		T T T T T T T T T T T T T T T T T T T	10mp		<b>T</b>
Time	Purge Vol (gal)	Purge Vol	Tamp (90)	SpC			
9:36.	(gai)		Temp (°C)	(µs/cm)	D C C	ORP (mV)	DO (mg/L)
9:112	<u> </u>	5	92,0	4648	7.81	119	2.30
7.77	5	10	22-1	4675	7.69		-
7:59	5	15	22.1	4696	7.32		
10:03	-25	15.25	22.3	4690	7.29		
		•					
			· · · · · · · · · · · · · · · · · · ·				
	-						
				1-			
Actual Purge	Volume $2\hat{\ell}$	elen (	´ Fiel	d Magazira	t - L 111 L Vrt	<b>V</b>	
Time/Date Sar	1.1			d Measurement ged/Sampled By		nin ± 10%	
Sample Metho	$\bigcirc$ .	1	red Laid	Jenvoambied Bi	/_ <u>/I·//</u>		
Requested An	<i>T</i>			•			
Comments/Ob			•				
Comments/OD	ocivations		. ,				
				•			

Well ID Site	34 Buena	-02 VistaII	D	LEVEL DATA ate Gauged me Gauged		2-16-2 15:2 <b>&amp;</b>	
Depth to Post Depth to Work Total Depth	ater	feet 1 <u>7.9 1</u> feet 20.25 feet	He	ell Diameter eight of Fluid Co blume in Well e 4-63	1.	- 34 fee	ches et Ilons
Time/date P	Purged 15:3	6 2-16	ROUNDWATE	R SAMPLING I	_	<del></del>	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	РH	ORP (mV)	DO (mg/L)
15:50	2	2	212	4950	7.70	155	1-39
16:02	2	4	21-1	5012	7.59		
16:19	(	5	21.3	4916	7.33		
16:25	- 25	5.25	21.5	4924	7,27		
		•					
				·			
						•	-
				-			
Actual Purge \ Time/Date Sar Sample Metho	npled <u>/6: 4</u>	3 2-1	6-24 Purg	Measurements ed/Sampled By	s stabilized with	in ± 10%	_
Requested, Ana					•		
Comments/Obs	servations						

,	•		FLUID	LEVEL DATA		. •	
Well ID	74	03		Pate Gauged		2-16-20	4
Site	Breva	<u>03</u> Vista II	· т	ime Gauged		13:45	
			•	ime Gaugeu			•
Depth to P	СП	f4				<i>u</i>	
	•	1 <del>7.72</del> feet		/ell Diameter		,	ches
Depth to W				eight of Fluid C			et .
Total Depti	h 🗸	2 <u>0.33</u> feet		olume in Well		722 ge	allons .
•		(3	Well Volumes :	= 5.16	gallons)		
•							
		G	ROUNDWATE	R SAMPLING	DATA		
Time/date F	Purged <u>13:5</u>	2 2-11	4:24 PL	rged Method	Sail		
		Cumul			· · · · · · · · · · · · · · · · · · ·		Τ .
Time	Purge Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pΗ	ORP (mV)	DO (==/1)
14:07	2	2	21.3	2638	9.01	17 1	DO (mg/L)
14.10	2	4	2)	24.52	201	151	2.13
111.71	7		20.0	2653	7.01		
19.26	1.50	5.50	21.+	2627	7.50		
14:29	-25	5.75	21.8	2624	7.38		
		•					
			}				•
	·						
	/ (	7\			-	J.	
	Volume 6.5			d Measurement	s stabilized with	in ± 10% <u> </u>	, <del></del>
	mpled 14:5	1 2-11	<u>6:24</u> Purg	ed/Sampled By	A.N	The state of the s	
Sample Metho	od Bril					·	
Requested An	alyses						
Comments/Ob	servations _			•			
•	. ~		. •				
					•		

			FLUID	LEVEL DATA			4
Well ID	74. Bu <u>n Vis</u>	04	. D	ate Gauged		2-19-2	4
Site	Burn Vis	ta II	Time Gauged			2-19-24	
		• .		•	<del></del>		
Depth to P	SH	feet	W	/ell Diameter		4	ches .
Depth to W	/ater	49.95 feet		eight of Fluid Co	7.6	74 fe	
Total Depth	າ 5	7.89 feet		olume in Well	<u> </u>	2 445	ıllons
			Well Volumes :		م العدالعد	<u> </u>	ilions .
			vven volumes -		jalions)		
		0					
Time/date F	ourged [0:55		ROUNDWATE				
Time/date r	Turged (0, 3,3		<u>#</u> 7 PL	rged Method _1	rump	•	
	Purge Vol	Cumui Purge Vol		SpC			•
Time	(gal)	(gal)	Temp (°C)	(μs/cm)	pН	ORP (mV)	DO (mg/L)
11:13	5	5	21.9	3662	7.69	101	2.79
11:27	5	10	21.8	3641	4.43		
11:56	6	16	22.0	3652	7.29		
							•
	21					14	-
Actual Purge	•	gals			s stabilized with	in ± 10%	<u> </u>
	mpled 12:40	) <u>2-1</u>	<u>7-2</u> 4 Purg	ed/Sampled By	A.N		
Sample Metho			· · · · · · · · · · · · · · · · · · ·	•			
Requested An					•		
Comments/Ob	servations	· · · · · · · · · · · · · · · · · · ·		•			

Well ID Site Depth to P Depth to W Total Depth	SH /ater	05 Vista II 42:58 feet 57:18 feet (3)	D Ti W H	LEVEL DATA Pate Gauged ime Gauged Vell Diameter eight of Fluid Coolume in Well = 2890	olumn 7	1.60 fe	ches
Time/date F	Purged / 450	00 2-19	ROUNDWATE	R SAMPLING		<del></del>	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC			
14:21.	10	(gui)	23.3	(μs/cm) 3544	7.74	ORP (mV)	DO (mg/L) 2.62
14:43	10	20	23.1	3573	7.40	112	
15:30	10	30	22.8	3592	7.31		
							•
Actual Purge \ Time/Date Sar Sample Metho	npled <u>USS</u>	2.1	Field 9-24 Purg	Measurements ed/Sampled By	s stabilized with	in ± 10% <u></u>	_
Requested Ana	alyses						
Comments/Obs	servations w	afer stopped	dat 5	gals. Per	adjustal pe	unp	
a und		- 94.			Ų	v	

Well ID Site Depth to Pour Depth to W Total Depth	ater d	-0   -0   feet 31-34   feet [(e-80   feet	D Ti W He	LEVEL DATA ate Gauged me Gauged  Vell Diameter eight of Fluid Colume in Well  30.61		5-46 fe	ches
Time/date F	Purged [[:[0	_	ROUNDWATE	R SAMPLING	DATA Pump	<del></del>	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)
11:26	10	10	20.3	4318	7.48	149	1-31
11:44	ſδ	20	20.6	4243	7-34		
12:04		3(	20.7	4235	7.25		
					·		
		·.					
		•					<u></u>
							•
						•	
Actual Purge \ Time/Date Sar				l Measurement	s stabilized with	nin ± 10% _ <b>Y</b>	_
Sample Metho	<u> </u>		i Furg	euroampied By	1 <u>/1-N</u>		
Requested Ana	· ·		•			·_	
Comments/Obs	servations			•			
•			h •			<del></del>	

Well ID Site	Jami	1-02 nguer 1	D	LEVEL DATA ate Gauged ime Gauged		2-15-2 13:21	14
Depth to Pt Depth to W Total Depth	ater .	72.98 feet 37.41 feet (3	Н	Vell Diameter eight of Fluid Colume in Well e 28.57	9	<u>イ</u> in イ. 4 3 fe ・5 2 3 ga	
Time/date P	Purged <u>13:2</u>	8 2-15	ROUNDWATE	R SAMPLING	DATA Pump	<del>.</del>	
Time	Purge Vol	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)
13:49	10	10	20.8	3994	7.50	221	2.08
14:15	10	20	20.9	4007	7.32		
14:43	(0	30	30.0	4018	7.23		
					·		
	·						-
Actual Purge V Time/Date San Sample Method	npled 15:2			Measurement ed/Sampled B	is stabilized with	nin ± 10% <b>Y</b>	_
Requested Ana	alyses					***************************************	
Comments/Obs	servations	<b></b>		•		<del></del>	

Well ID Site Depth to P Depth to W Total Depth	/ater <b>.</b>	109 w2 1  feet 25.38 feet 32.80 feet	C T W H	LEVEL DATA Date Gauged Time Gauged Vell Diameter eight of Fluid Colume in Well		1.42 fe	ches
Time/date F	Purged <b>9:32</b>	G		ER SAMPLING	gallons) DATA		
7ime 9:47 9:58 10:09	Purge Vol (gal) 2 l	Cumui Purge Vol (gal) 3	Temp (°C) 19.9 20.6 20.3	SpC (µs/cm) 2897 2905 2943	рн 7-38 7-32 7.24	ORP (mV)	DO (mg/L) 2.18
	alyses			d Measurement	s stabilized with	nin ± 10% <b>Y</b>	

Well ID Site Depth to Pour Depth to W Total Depth	rater c	feet 2 <u>6.79</u> feet 3 <u>7.32</u> feet (3	E T W H V Well Volumes	LEVEL DATA Date Gauged Time Gauged  Vell Diameter eight of Fluid Coolume in Well  5-37	olumn (0	0.53 fe	ches
Time/date P	Purged [[:12		•	R SAMPLING . urged Method _	_	<del></del>	
Time	Purge⋅Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)
11:24.	2	2	18.6	4635	7.46	111	1.65
11:36	2	4	19.2	4595	7.37	1	
11:49	2	6	19-0	4575	7.28		
11:52	.25	6.25	19.3	4578	7.26		
Actual Purge V Time/Date San Sample Method	npled 12:2	4 2-	16-24 Purg	d Measurement red/Sampled By	s stabilized with	in ± 10% <u>Y</u>	
Requested Ana	-		•				

•			FLUID	LEVEL DATA			,
Well ID	Jomin Domin	1-11	D	ate Gauged		2-15-24	<u> </u>
Site	Jomin	gus_l	т	ime Gauged		7:30	
	•	•					
Depth to P	SH	feet	· W	/ell Diameter		2 · in	ches .
Depth to W	/ater	56.26 feet	He	eight of Fluid C	olumn 12	-63 fe	
Total Depth	n (	8.89 feet		olume in Well		1117	illons
		(3	Well Volumes =		iallons)	<u> </u>	
,							
		G	ROUNDWATE	R SAMPLING	DATA		
Time/date F	ourged <u>9:35</u>	-		· · · · · · · · · · · · · · · · · · ·	<b>`</b>		
		Cumul	1	T	<i>1</i> .	<del></del>	
Time	Purge Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	Hq	ORP (mV)	DO (mg/L)
9:47	2	2	20-2	6727	7.04	180	245
9:59	2	4	21.0	6743	7.12	,,,	<i>A</i> , 10
10:21	3	7	20.9	6704	7.20		
			- <b>2</b> 0 · 1	7 7	7.20		
		,					
		· · ·					
							•
•	120						
Actual Purge			Field	l Measurement	s stabilized with	in ± 10%	<del>_</del>
Time/Date Sar	<i> </i>	2-1	<u>5-2</u> 4 Purg	ed/Sampled By	A.N		
Sample Metho	d temp			•		·	
Requested, An					•	Marie Control of the	
Comments/Ob	servations _			•		<del></del>	

			FLUID	LEVEL DATA	•		
Well ID	86/34 Bright	0-01	. [	Pate Gauged		2.9.24	e e
Site	Bright	Star	· T	ime Gauged		9:57	•
	·	•			-		
Depth to P	SH	feet	W	/ell Diameter		4	ches .
<ul> <li>Depth to W</li> </ul>	/ater	59.77 feet		eight of Fluid C	Column II	1,	
Total Depth		0.83 feet		olume in Well	_	209	et .
	·		Well Volumes	•		ga	allons .
		(0	vvcii voluities	-0101	gallons)		
Time/date F	Purged 10:09		GROUNDWATE				
/ime/date r	uiged 101-1		<u>e</u> / Pi	ırged Method _	Tump	<del>,,</del>	
T	Purge Vol	Cumul Purge Vol	·	SpC			
Time	(gal)	(gal)	Temp (°C)	(µs/cm)	pН	ORP (mV)	DO (mg/L)
10:24	<u> </u>	+	19.4	3228	7.00	211	2.45
10:40	+	14	18.8	3220	7.09		
10:58	8	22	192	32 41	7.18		
					·		
·							
							•
					,		
	·						
				,,			
	. 27					<u> </u>	
Actual Purge V			Field	Measurement	s stabilized with	nin ± 10% <u></u>	_
Time/Date San	<b>~</b> · ·	0 2-9-	Purg	ed/Sampled By	A.N		
Sample Method	•		•	•			
Requested, Ana				····			
Comments/Obs	ervations			•			
	ί,						

·			FLUID	LEVEL DATA			
Well ID	70/86/ Bright	340-01		Date Gauged		2-9-20	1
Site	Bright	Star	. т	ime Gauged		2-9-20	•
Depth to P Depth to W Total Depti	Vater .	feet \$ <u>3.60</u> feet 6 <u>7.95</u> feet (3	H	Vell Diameter leight of Fluid C olume in Well = <u>28.41</u>		(·35 fe	ches et allons
Time/date F	Purged		•	ER SAMPLING urged Method _			
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	Hq	ORP (mV)	DO (mg/L)
12:18	10	10	19.3	8959	7.13	168	1.73
12:38	10	20	19.5	9019	7.17	100	
13:03	9	29	20.0	9058	7.22		· · · · · · · · · · · · · · · · · · ·
		•					
				·			
Actual Purge \ Time/Date Sar Sample Metho	mpled <u>/3:30</u>	gals		l Measurement ed/Sampled By	s stabilized with	in ± 10% _ <b>/</b>	
Requested Ana	alyses		•				
Comments/Obs	servations			•			

Well ID Site Depth to P Depth to W Total Depth	SH .		V H VWell Volumes	Date Gauged Fime Gauged  Vell Diameter Height of Fluid Coolume in Well  3.48	column /· /. gallons)	7.	ches et
Time/date F	Purged <u>/ <b>/</b> /</u> //	2-9.	· _	ER SAMPLING  vrged Method _	Ba./	<del></del>	
Time 14:22	Purge-Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	7.43	ORP (mV)	DO (mg/L)
14:33	1.50	3	20.5	4498	7.35	116	2.63
14:48	1	4	20.7	4511	7.24		
N,							
	•						
Actual Purge V Time/Date San Sample Method	npled <u>15:15</u> d <b>B</b> ail			d Measurement ged/Sampled By	s stabilized with	in ± 10%	
Requested Ana							

Well ID Site  Depth to PS Depth to W Total Depth	ater	Dy feet 56.90 feet	Tir We He	ite Gauged ine Gauged  Il Diameter ight of Fluid Co		fe	ches et Illons
Time/date P	urged	G	ROUNDWATEF	R SAMPLING D		· · ·	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	рН	ORP (mV)	DO (mg/L)
`							
			,				
							•
					, , , , , , , , , , , , , , , , , , , ,		
				ed/Sampled By		<u> </u>	_
mments/Obs	servations _	Dry wei	1				

Well ID Site Depth to Pi Depth to W Total Depth	Big S SH /ater	3-02 (Ky feet 35:79 feet 7.95 feet	D Ti W He	LEVEL DATA ate Gauged me Gauged  'ell Diameter eight of Fluid Co	. 14	2.16 fee	ches
Time/date F	Purged <u>11:55</u>	G	ROUNDWATE				
Time 12:34 12:57 13:34 13:37	Purge-Vol (gal) 15 15 15	Cumul Purge Vol (gal)  15  30  45  45.25	Temp (°C) 20.3 20.1 20.2 20.2	SpC (µs/cm) 5853 5900 5922 5926	7.89 7.62 7.38 7.34	ORP (mV)	DO (mg/L)
Actual Purge \ Time/Date Sar Sample Metho Requested And Comments/Ob	mpled 14:00 od Pung alyses			d Measurement ed/Sampled By		nin ± 10% <u>Y</u>	

	-	•				. •	
	ל'ד'	NJ	FLUID I	LEVEL DATA		-	
Well ID	0 35	- <u>09</u>	D	ate Gauged	_2	-20-24	
Site	139	2Ky	· Ti	me Gauged	_1	0:20	•
Depth to PS Depth to W Total Depth	ater .	feet 14.24 feet 53.34 feet (3.1	He Ve	ell Diameter eight of Fluid Co blume in Well = 18.01	6.	·IO fee	ches et Ilons
Time/date P	Purged 10:2	6 2-6	•	R SAMPLING I	<u> </u>	-	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pН	ORP (mV)	DO (mg/L)
0:40	(0	6	21.0	4473	7.48	129	202
0:53	6	12	21.1	4448	7-33		
1:06	7	19	20.9	4460	7.23		
		,					
ctual Purge	Volume 2	<u>/_</u> gals	Fiel	d Measuremeni	ts stabilized wit	hin ± 10% <u> </u>	
īme/Date Sa	impled [[:3		0-24 Pur	ged/Sampled B	y A-N		
Sample Metho	od Pung					·	
equested.Ar	nalyses _					Personal	
omments/Ot	oservations						

•							
			FLUID I	EVEL DATA			
Well ID	833	3-05	. Di	ate Gauged	_2	-22-6	24
Site	833 By	sky	Ti	me Gauged		9:48	
	- /	• .		•			,
Depth to PS	5H _	feet	· w	ell Diameter		<u> 4 ·</u> inc	ches
Depth to W	ater (	66.77 feet	Не	eight of Fluid Co	olumn <u>6</u>	.73 fee	et .
Total Depth	7	3.50 feet		olume in Well	4	. 111 1	llons
		(3	Well Volumes =	<u>13.32</u>	gallons)		•
				<del> </del>			
		G	ROUNDWATE	R SAMPLING I	DATA		
Time/date P	ourged <u>9.'5</u>	3 2-2	2-24 PL	rged Method	Rung		
		Cumul	1				
Time	Purge⋅Vol (gal)	Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pН	ORP (mV)	DO (mg/L)
10:07	5	5	22.6	5048	7.10	177	2.05
0:20	5	10	22.4	5021	7.18		
0:30	Ч	14	22.0	5078	7.23		
							•
				]			
Notical Durgo	Valuma 19	golo	· Fi-!	d Manager	LL-	hin ± 10%	
	mpled 10:4					nin ± 10%	
Sample Metho		0 00	· Pur	Aentoailibled R	y		
Requested An				•		·	
comments/Ob			-	•	•		
· · · · · · · · ·	Josef Variotio						,

Well ID Site Depth to P Depth to W Total Depth	- /ater	5-06 Sky  feet 77-09 feet 55-25 feet (3	E T W H	LEVEL DATA Date Gauged Time Gauged Vell Diameter eight of Fluid Colume in Well  ELLO. 15	5	16 fe	ches et allons
Time/date F	Purged <b>9:0</b> 5	_		R SAMPLING Urged Method			
Time 9:18 9:29 9:44 9:45	Purge Vol (gal) 5 -7 .25	Cumul Purge Vol (gal) 5 10 17 17.25	Temp (°C) 19.3 19.8 20.0 20.1	SpC (µs/cm) 4254 4230 4301 4325	7.73 7.54 7.30 7.26	ORP (mV)	DO (mg/L) 213
Actual Purge V Time/Date San Sample Method Requested Ana Comments/Obs	npled 9:55 d Tump alyses	20		l Measurements ed/Sampled By	s stabilized with	in ± 10%	_

•			FLUID	LEVEL DATA		•	
Well ID	83	3-07 Sty	. [	Pate Gauged		2-22-2	4
Site	Big	sky	Т	ime Gauged		11:00	•
Depth to P Depth to W Total Depth	Vater (	feet 62.28 feet 3.55 feet	H	Vell Diameter eight of Fluid Colume in Well $\frac{22 \cdot 31}{}$		1.27 fe	ches et allons
Time/date F	Purged (1:05	5 2-22	•	R SAMPLING		<del></del>	
Time	Purge⊦Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	nU	ODD () A	DO ( 11)
11:20	7	7	71.8	6262	7.51	ORP (mV)	2.35
11:32	7	14	21.4	6207	7,32	(()	<i>X</i> -33
11:48	9	23	21.3	6180	7.27		
.,				<b>Q</b> . 0	1		
		· .					
		·					
				·		·	
					·		
Actual Purge \	1 1		Field	Measurement	s stabilized with	in ± 10%	
Sample Metho	a Pump		<u>-</u> - , ruig	euroampied By	4.N		
Requested Ana				-		<u> </u>	
Comments/Obs	seįvations						

Well ID Site Depth to Portion of the Depth to Work Total Depth	Big SH Vater	3.08 Sky 62.18 feet 73.29 feet	D Ti W He	LEVEL DATA ate Gauged me Gauged  fell Diameter eight of Fluid Colume in Well	7	1.11 fe	ches
Time/date F	Purged 14:5		ROUNDWATE	R SAMPLING .	$\sim$	<del></del>	
Time 14:47 15:05 15:30	Purge-Vol (gal)	Cumul Purge Vol (gal) 7 14 22	Temp (°C) 22.1 22.1	SpC (µs/cm) 5090 5110 5158	7.87 7.52 7.29	ORP (mV)	DO (mg/L)
Actual Purge \ Time/Date Sar Sample Methor Requested Ana Comments/Obs	npled 15:5 d Pump alyses		Field	Measurement ed/Sampled By	s stabilized with	in ± 10% <u>Y</u>	

Well ID Site	83. Big S	3.09 Sky	D	LEVEL DATA Date Gauged ime Gauged		2-22-	2Y —
Depth to Pt Depth to W Total Depth	ater d	feet 28.17 feet 39.70 feet (3	Н	Vell Diameter eight of Fluid Coolume in Well $= 22826$	7.	1,53 fe	ches et illons
Time/date P	urged <u>12:3</u>	7 2-3	ROUNDWATE	R SAMPLING	$\overline{}$	<del>, -</del>	
Time	Purge Vol (gal)	Cumul Purge Vol	T (90)	SpC			
12:46	· <del>`</del>	(gal)	7emp (°C)	(µs/cm)	9.88	ORP (mV)	DO (mg/L)
13:04	7	214	21.4	5219	7.69	(00	1. 27
13:20	9	23	21.1	5224	747		
13:25	-25	23.25	21.2	5260	7.34		
					7,50		
		•					
	,	***************************************					
Actual Purge V Time/Date San Sample Method	npled 13:38	3 gals	Field 22-24 Purg	I Measurements	s stabilized with	in ± 10% <u> </u>	
Requested Ana	alyses						
Comments/Obs	servations	-		•			
•							

Well ID Site	83 Big	03-10 Sky		LEVEL DATA Pate Gauged ime Gauged		7- <i>72-7</i> 9	<u>_</u>
Depth to P Depth to W Total Depth	/ater	feet ? <u>2:62</u> feet !7-74 feet (3	H	Vell Diameter eight of Fluid Colume in Well = 29.93	9	5-12 fe	ches et allons
Time/date F	Purged <u>13:5</u>	8 2-2		R SAMPLING		<del></del>	
Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	Hq	ORP (mV)	DO (==(I)
14:15	10	10	18.8	4214	7.81	117	2,79
14:35	10	20	18.7	4228	7.60		
14:55	10	30	18.9	4200	7.32		
15:00	.25	30-25	18.9	4197	7.25		
	·						
Actual Purge \ Time/Date Sar Sample Metho	/olume <u>35</u>	gals 52-2	Field <b>2-27</b> Purg	l Measurements	s stabilized with	in ± 10%	_
Sample Metho	d Pung			•			
Requested And	alvene		•				

Comments/Observations





WATER / WATER RIGHT:

ENVIRONMENTAL

ECOLOGICAL

CONSTRUCTION MANAGEMENT

**OFFICE ADDRESS:** 

Glorieta Geoscience A Division of GZA 1723 Second Street Santa Fe, NM 87505

MAILING ADDRESS: Glorieta Geoscience P.O. Box 5727 Santa Fe. NM 87502

# February 22, 2024

Regina,

Please see the following monitoring well analyses from the 1st quarter sampling event at Organ Dairy that took place January 10, 2024. Please feel free to contact me at (352) 327-2685 or at Samantha.carver@gza.com.

Monitoring	DTW	TDS	Cl	TKN	Nitrate	Sulfate	EC μS	рН	Temp
Well	(ft)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)			°c
MW 126-04	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW 126-05	30.7	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW 126-07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW 126-09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW 126-12	26.5	2210	480	<1.0	4.2	520	3160	7.29	17.5
MW 126-13	45.42	3320	750	<2.0	15	810	1860	7.1	17

Best,

Samantha Carver

Scientist I

GGI, A Division of GZA, Inc.

S. Carver

#### MONITORING WELL GAUGING DATA DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

		T	<u> </u>				
Monitoring							
Well	Northing.	Easting•	Date	Time	Depth to Water	Notes or Total Depth (ft)	
			N	ORTHERN A	REA		v
	d Application						
70-03	424580.78	1510233,88	2-5-24	11:35	59.80	61.65	
70/86/340-01	427320.92	1508461.05	2-5-24	11:19	53.62	6795	
86/340-01	432021.33	1503216.90	2.5-24	11:00	59.78	70.83	
Mountain Vi	ew Dairy (DP-7	0)			<u> </u>		
70-01	423303.43	1510585.63	2-5-24	12:55	39.75	45.95	
70-02	423412.73	1511192.51		12:17	49.28	49.81	
70-04	422798.94	1510922.20		12:01	37.85	47.85	
					J . 10 J	1,705	
	Diary I (DP-86)		12 2 27	1	1.50.15		
86-01	421534.62		2-5-24	14:22	53.17	54.45	
86-02	421792,08	1510881.53	2-5-24	13:45	35.00	48.45	
				<u> </u>			
Bright Star D		I	T				
340-01	421410.13		2-5-24		46.51	48.25	
340-02	420641.08	1512051,57	2-5-24	14:52	Dry	56.90	
						•	
D	(DD 40)			<u> </u>			
Dominguez2			0.4.014	11			
42-02	419982.45		2-6-24	11:13	34.34	65.33	Pu
42-03	419710.55	1514064.35	12 4	11:45	87.46	97.20	Pu
42-06	420021.61	1511465.15	2-6-24	10:37	37.98	41.55	Pu
42-07	<del>- 120584.8</del>	1513076.66				WELL REMOVED	Pu
42-08	419994.93	1511197.91	2-6-24	10:51	34.12	35.10	Pu
42-09	419729.17	<del>1512255.76</del>				WELL REMOVED	Pu
42-10	421426.39	1514460.4	5-6.54	9:47	120.90	123.60	Pu
42-11	420693.98	1515270.32	2-6-24	9:18	131.10	133.50	Pı
42-12	420972.09	1515423,88	2-6-24	9:24	137.50	139.43	Pu
42-13	419734.06	1512534,42	2-6-24	12:00	62.84	67.60	Pu
Dominguez D	airy (DP-624)						1 4
624-01	418826.21	1512131.46	2-6-24	13:16	31.37	46.80	
624-02	417335.25	1512201.42	2-6-24	13:25	23.00	37.41	
624-09				15:21	25,40	32.80	
624-10			2-6-24	14:50	26.82	37.32	
624-11			2-6-24	12:55	56.29	68.89	
			N 0 01	10,23	30.2	80-07	
				*****	L		*****
					Γ		
i							

MONITORING WELL GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

				DUITA AIT	A COUNTY, N	EWWKXICO	
Monitoring Well	Northing.	Eastin					
		Lagun	B Date	Time	Depth to Water	Notes or Total Depth (ft)	
Buena Vista D	iary II (DP-74	4)	· · · · · · · · · · · · · · · · · · ·	CENTRAL	AREA		
74-01	405434,93		5 2.7.24	1.0	T - A		
74-02	404574.08	1519035.5	3 2 7 29	12:03	37.71	45.26	
74-03	407163.61		182 / 0		17.90	20.25	
74-04	405488,65	1510/11.7	2 2-7-24		17.73	20.32	
74-05	404747.71		8 2-7-24		49.96	57.88	
		1519885,3	2-7-21	12:26	42.60	57.18	
Big Sky Dairy 833-02	401200.32	1	10.0.5				
833-04		1520639,9		13:08	35.81	57.95	
	402898.52	1520659,3		12:56	44.25	53.34	
833-05	399712.39	1522374.7		13:28	66.78	73.50	
833-06	402219.48	1522652,04		12:45	77-11	85-25	***************************************
833-07	399298.8	1522082.7.		13:37	62.30	73.55	
833-08	400535.64	1521938.23		13:20	62.20	73.28	
833-09	398280.67	1520918.52	2-7-24	13:34	28.20	39.70	
833-10	396715.89	1520283.6	2-7-24	13:42	22.65	37.73	
Sunset/Desert I		P-257)			100.03	3 4 7 7 3	
257-01	395856.31	1520572.16	2-7-24	14:48	22.54	25.65	
257-02	394728.34	1521030.29			17.31	25.85 20.86	
257-03	397935.69	1518746.14			14.69		
MW-4			2-7-24	16:06	33.22	16.15	
Del Oro Dairy	(DP-692)			SOUTHERN A	AREA	39.95	
692-02	372984.72	1531192.1	2-8-24	8:55	60.22	61.15	
692-04	372982.53	1531555.21		9:10	Dry	66.15	
692-05	374807.26	1532403		9:50	92.11	60.60	
692-06	375054.77	1532411.83		7.50		87.50	
			2-8-24	10:09	84.06	90-25	
692-07	374944,88	1532019.81	2-8-24	10:17	75.84	77.71	
692-08	375535.69	1531378.09		10:50	69.29	77.71	
692-09	373575.83	1532395.09	2.8.24	9:31		77.17	Pum
692-10					85.18	91.10	Pum
			2.8.24	10:28	74.92	77.90	
EW-01						7,7,10	
EW-02							
<u> </u>							I
EW-03							
TIME C.					***************************************		
EW-04							
EW-05							
Anthony Waste V	Water Treatme	ent Plant					- 1
MW-1		T .	3 4 = 1				
	372097.86		2-6-24	14:53	65-17	79.75	$\dashv$
MW-2	NM	NM	2-8-24	14:59	66.50	79.95	$\dashv$
MW-3	NM	NM	2-8-24	15:11	59.05	70 110	
			<u> </u>	10.11	31.03	78.44	- 1

#### MONITORING WELL GAUGING DATA DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring						
Well	Northing	Easting ^a	Date	Time	Depth to Water	Notes or Total Depth (ft)
	ABA	TEMENT PL	AN MONITO	R WELLS		Total 2 optiv (it)
DAD-01	422970.59	1512825.76	2.5.24	13:10	74.76	21 25
DAD-02	413002.98	1517319.93	2-7-24	10:12	68-23	76.35 68.46
DAD-03	407721.31	1516497.85	2-734	10:27	14.68	
DAD-04	404576.66	1517413.28	2.7-24	10:55	17.57	18.90
DAD-05	396712.87	1519102.06	2-7-24	16:21	16.51	18.75 23.10
DAD-06R	404273.19	1522081.00	2-7-24	12:47	85.75	
DAD-07	399270.18	1524320.88	2-7-24	17:36		102.10
DAD-08	395287,38	1522575.07	2-7-24	16:53	94.11	100.65
DAD-09	373259.30	1530905.70	2.8-24	11:54	53.67	55.70
DAD-10	372980.55		2-8-24	11:36	57-65	61.25
DAD-11	416211.35		2-6-24	14:28	84.06	93.82
DAD-12	419731,54		8-6-24		24.91	47.55
DAD-13	417879.08	1515673.13	2-6-24	12:11	55.18	82.25
DAD-14	414923.33	151460506		14:05	88.32	92.79
DAD-15	402001.22	1523552,04	2-6-24	13:48	32.31	42.55
DAD-16	400628.77	4 4 4 4 4 4 4		9:35	96.83	109.90
DAD-17	393991.97		2-7-24	10:40	1938	32.75
DAD-18	395714.14			16:48	20.90	38.90
DAD-19	400164.47		2-7-24	14:33	23.87	57.15
DAD-20	371751.45	1531188.19	2-7-24	13:53	65.40	99.35
DAD-21	374013.39		2-8-24	14:28	58.15	68.85
DAD-22	373029.62		2-8-24	12:55	59.04	66-54
DAD-23	413958.29		2-8-24	13:20	47.27	50.05
DAD-24	400183.23		27.24	9:58	46.55	57.75
DAD-25	394560.83		2-7-24	13:58	67.11	130.55
DAD-26	372513.58	1530789.76	× 7 07	17:17	67.24	77.20
		1	2-8-24	13:41	50.03	62.25
DAD-27			2-8-24	14:03	27.57	37.65
otes:						
orizontal cont	rol to NM State I et below the top	Plane Coordinate	s Central NAD	83 Grid Coordi	inates (in feet)	





WATER / WATER RIGHT:

ENVIRONMENTAL

ECOLOGICAL

CONSTRUCTION MANAGEMENT

**OFFICE ADDRESS:** 

Glorieta Geoscience A Division of GZA 1723 Second Street Santa Fe, NM 87505

MAILING ADDRESS: Glorieta Geoscience P.O. Box 5727 Santa Fe. NM 87502

# February 22, 2024

Regina,

Please see the following monitoring well analyses from the 1st quarter sampling event at Organ Dairy that took place January 10, 2024. Please feel free to contact me at (352) 327-2685 or at Samantha.carver@gza.com.

Monitoring	DTW	TDS	Cl	TKN	Nitrate	Sulfate	EC μS	рН	Temp
Well	(ft)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)			°c
MW 126-04	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW 126-05	30.7	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW 126-07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW 126-09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW 126-12	26.5	2210	480	<1.0	4.2	520	3160	7.29	17.5
MW 126-13	45.42	3320	750	<2.0	15	810	1860	7.1	17

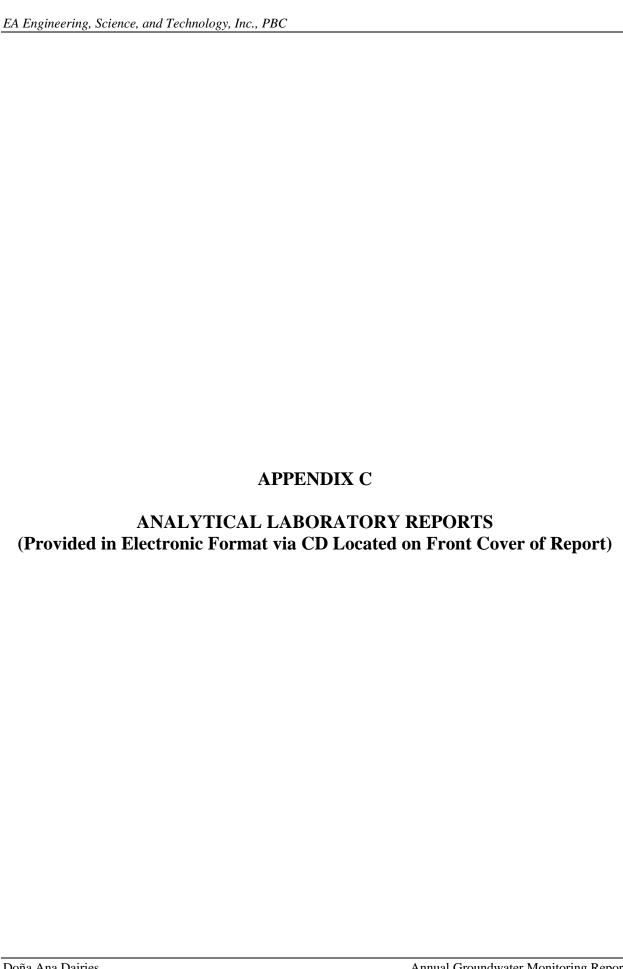
Best,

Samantha Carver

Scientist I

GGI, A Division of GZA, Inc.

S. Carver



### 4 4

# **ANALYTICAL REPORT**

### PREPARED FOR

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

Generated 4/18/2024 3:44:36 PM

# **JOB DESCRIPTION**

**Sunset Dairy** 

### **JOB NUMBER**

885-1214-1

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 John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

Page 2 of 13 4/18/2024

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Client: EA Engineering Project/Site: Sunset Dairy

Laboratory Job ID: 885-1214-1

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### **Definitions/Glossary**

Client: EA Engineering Job ID: 885-1214-1

Project/Site: Sunset 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)

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

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) Most Probable Number MPN 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

#### **Case Narrative**

Client: EA Engineering Project: Sunset Dairy

Job ID: 885-1214-1 Eurofins Albuquerque

#### Job Narrative 885-1214-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/14/2024 8:36 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 -1.9°C.

#### **Receipt Exceptions**

The following samples were received at the laboratory outside the required temperature criteria: LRG-3348-S-2 TWIN N (885-1214-1) and LRG-3348-S-3 TWIN S (885-1214-2).

#### HPLC/IC

Method 300_OF_28D_NO3: The following samples were diluted for Nitrate Nitrite as N due to the nature of the sample matrix: LRG-3348-S-2 TWIN N (885-1214-1) and LRG-3348-S-3 TWIN S (885-1214-2). 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: 885-1214-1

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### **Client Sample Results**

Client: EA Engineering Job ID: 885-1214-1

Project/Site: Sunset Dairy

Lab Sample ID: 885-1214-1 Client Sample ID: LRG-3348-S-2 TWIN N

Date Received: 03/14/24 08:36

Date Collected: 03/13/24 10:35 **Matrix: Water** 

Method: EPA 300.0 - Anions, Ion Chromatography Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Nitrate Nitrite as N ND 2.0 mg/L 03/14/24 16:55 10

**General Chemistry** Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared Nitrogen, Total Kjeldahl (EPA 351.2) 0.50 03/22/24 12:23 03/26/24 14:58 ND mg/L

### **Client Sample Results**

Client: EA Engineering Job ID: 885-1214-1

Project/Site: Sunset Dairy

Client Sample ID: LRG-3348-S-3 TWIN S Lab Sample ID: 885-1214-2

Date Collected: 03/13/24 10:15 Date Received: 03/14/24 08:36 Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

 Analyte
 Result Nitrate Nitrite as N
 Qualifier ND
 RL 2.0
 Unit mg/L
 D Prepared mg/L
 Analyzed Dil Fac 03/14/24 17:20
 Dil Fac 03/14/24 17:20

General Chemistry

 Analyte
 Result Nitrogen, Total Kjeldahl (EPA 351.2)
 Qualifier ND
 RL NITROGEN
 Unit Mg/L
 D NG
 Prepared NG/22/24 12:23
 Analyzed NG/26/24 15:00
 Dil Fac NG/24/25/25

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a

Client: EA Engineering Job ID: 885-1214-1 Project/Site: Sunset Dairy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1751/23 Client Sample ID: Method Blank

**Matrix: Water** 

**Analysis Batch: 1751** 

MB MB Result Qualifier RL Unit Analyzed Dil Fac Analyte D Prepared Nitrate Nitrite as N 0.20 03/14/24 16:06 ND mg/L

Lab Sample ID: LCS 885-1751/24 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1751** 

Spike LCS LCS %Rec Analyte Added Result Qualifier D %Rec Limits Unit 3.50 90 - 110 Nitrate Nitrite as N 3.63 mg/L 104

Lab Sample ID: MRL 885-1751/22 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1751** 

Spike MRL MRL %Rec Analyte Added Result Qualifier Limits Unit %Rec Nitrate Nitrite as N 0.200 0.212 50 - 150 mg/L

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-2164/33-A **Client Sample ID: Method Blank Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2335** 

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrogen, Total Kjeldahl  $\overline{\mathsf{ND}}$ 0.50 mg/L 03/22/24 12:23 03/26/24 14:40

Lab Sample ID: LCS 885-2164/35-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2335** 

Prep Batch: 2164 LCS LCS Spike %Rec

Analyte Added Result Qualifier Unit Limits Nitrogen, Total Kjeldahl 9.91 9.55 mg/L 90 - 110

Lab Sample ID: LLCS 885-2164/34-A

**Matrix: Water** 

**Client Sample ID: Lab Control Sample** Prep Type: Total/NA **Analysis Batch: 2335** Prep Batch: 2164 LLCS LLCS Spike %Rec

Added Result Qualifier Analyte Unit %Rec Limits 0.496 Nitrogen, Total Kjeldahl ND 78 50 - 150 mg/L

Eurofins Albuquerque

4/18/2024

Prep Type: Total/NA

Prep Batch: 2164

### **QC Association Summary**

Client: EA Engineering

Job ID: 885-1214-1

Project/Site: Sunset Dairy

HPLC/IC

**Analysis Batch: 1751** 

<b>Lab Sample ID</b> 885-1214-1	Client Sample ID  LRG-3348-S-2 TWIN N	Prep Type Total/NA	Matrix Water	Method 300.0	Prep Batch
885-1214-2	LRG-3348-S-3 TWIN S	Total/NA	Water	300.0	
MB 885-1751/23	Method Blank	Total/NA	Water	300.0	
LCS 885-1751/24	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1751/22	Lab Control Sample	Total/NA	Water	300.0	

### **General Chemistry**

Prep Batch: 2164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1214-1	LRG-3348-S-2 TWIN N	Total/NA	Water	351.2	
885-1214-2	LRG-3348-S-3 TWIN S	Total/NA	Water	351.2	
MB 885-2164/33-A	Method Blank	Total/NA	Water	351.2	
LCS 885-2164/35-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-2164/34-A	Lab Control Sample	Total/NA	Water	351.2	

**Analysis Batch: 2335** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1214-1	LRG-3348-S-2 TWIN N	Total/NA	Water	351.2	2164
885-1214-2	LRG-3348-S-3 TWIN S	Total/NA	Water	351.2	2164
MB 885-2164/33-A	Method Blank	Total/NA	Water	351.2	2164
LCS 885-2164/35-A	Lab Control Sample	Total/NA	Water	351.2	2164
LLCS 885-2164/34-A	Lab Control Sample	Total/NA	Water	351.2	2164

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### **Lab Chronicle**

Client: EA Engineering Job ID: 885-1214-1

Project/Site: Sunset Dairy

Client Sample ID: LRG-3348-S-2 TWIN N

Lab Sample ID: 885-1214-1 Date Collected: 03/13/24 10:35 **Matrix: Water** 

Date Received: 03/14/24 08:36

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1751	RC	EET ALB	03/14/24 16:55
Total/NA	Prep	351.2			2164	EH	EET ALB	03/22/24 12:23
Total/NA	Analysis	351.2		1	2335	EH	EET ALB	03/26/24 14:58

Client Sample ID: LRG-3348-S-3 TWIN S

Lab Sample ID: 885-1214-2 Date Collected: 03/13/24 10:15 **Matrix: Water** 

Date Received: 03/14/24 08:36

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1751	RC	EET ALB	03/14/24 17:20
Total/NA	Prep	351.2			2164	EH	EET ALB	03/22/24 12:23
Total/NA	Analysis	351.2		1	2335	EH	EET ALB	03/26/24 15:00

**Laboratory References:** 

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

### **Accreditation/Certification Summary**

Client: EA Engineering

Job ID: 885-1214-1

Project/Site: Sunset 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	Mexico State		NM9425, NM0901	02-26-25
,	s are included in this repo does not offer certification	•	not certified by the governing autho	rity. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
300.0		Water	Nitrate Nitrite as N	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
regon	NELA	Þ	NM100001	02-26-25
0 ,	s are included in this repo does not offer certification	•	not certified by the governing autho	rity. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

Page

12 of 13

Turn-Around Time:

4/18/2024

### **Login Sample Receipt Checklist**

Client: EA Engineering Job Number: 885-1214-1

Login Number: 1214 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.	False	Refer to Job Narrative for details.
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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## 11

# PREPARED FOR

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

**ANALYTICAL REPORT** 

# **JOB DESCRIPTION**

Generated 4/19/2024 9:02:09 AM

**Del Oro Dairy** 

# **JOB NUMBER**

885-1071-1

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 4/19/2024 9:02:09 AM

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

Page 2 of 14 4/19/2024

Client: EA Engineering Project/Site: Del Oro Dairy Laboratory Job ID: 885-1071-1

# **Table of Contents**

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QC Sample Results	7
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Certification Summary	12
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### **Definitions/Glossary**

Client: EA Engineering Job ID: 885-1071-1

Project/Site: Del Oro Dairy

**Glossary** 

A la la constanti a di a co	The state of the s						
Abbreviation	ion 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)						
D:1 F	Dilution Footon						

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 Project: Del Oro Dairy

Job ID: 885-1071-1 **Eurofins Albuquerque** 

#### Job Narrative 885-1071-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/13/2024 8:40 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 0.9°C.

#### 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.

Page 5 of 14

Job ID: 885-1071-1

### **Client Sample Results**

Client: EA Engineering Job ID: 885-1071-1

Project/Site: Del Oro Dairy

Client Sample ID: 692 - Lagoon

940

Lab Sample ID: 885-1071-1 Date Collected: 03/12/24 16:30

**Matrix: Water** 

03/22/24 12:23 03/26/24 14:18

Date Received: 03/13/24 08:40

Nitrogen, Total Kjeldahl (EPA

351.2)

Method: EPA 300.0 - Anions, Ion	Chroma	tography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2900		100	mg/L			03/20/24 10:21	200
Nitrate Nitrite as N	ND		2.0	mg/L			03/13/24 17:26	10
Analyte		Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Sulfur	Result 110	Qualifier	RL 	<b>Unit</b> mq/L	D	Prepared 03/21/24 12:44	Analyzed 03/28/24 14:51	Dil Fac
	110			g, _		00/21/21 12:11	00/20/2111.01	·
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	17000		2500	ma/l			03/18/24 10:10	1

63

mg/L

Job ID: 885-1071-1

Prep Type: Total/NA

Client: EA Engineering

Project/Site: Del Oro Dairy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1696/4 Client Sample ID: Method Blank

**Matrix: Water** 

**Analysis Batch: 1696** 

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Analyte D Prepared 0.20 03/13/24 16:52 Nitrate Nitrite as N ND mg/L

Lab Sample ID: LCS 885-1696/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 1696** 

Spike LCS LCS %Rec Analyte Added Result Qualifier D %Rec Limits Unit 3.50 90.0 - 110. Nitrate Nitrite as N 3.56 mg/L 102

Lab Sample ID: MRL 885-1696/3 Client Sample ID: Lab Control Sample Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1696** 

MRL MRL %Rec Spike Added Analyte Result Qualifier Unit %Rec Limits Nitrate Nitrite as N 0.200 0.204 mg/L 102 50 - 150

Lab Sample ID: MB 885-2064/5 **Client Sample ID: Method Blank Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2064** 

MB MB Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac 0.50 Chloride  $\overline{\mathsf{ND}}$ mg/L 03/20/24 09:57

Lab Sample ID: LCS 885-2064/6 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2064** 

Spike LCS LCS %Rec Added Result Qualifier Analyte Unit D %Rec Limits Chloride 5.00 4.92 mg/L 98 90 - 110

Lab Sample ID: MRL 885-2064/4 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 2064** 

Spike MRL MRL %Rec Added **Analyte** Result Qualifier Unit D %Rec Limits Chloride 0.500 0.539 mg/L 108 50 - 150

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MRL 885-2512/14 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2512** 

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit %Rec Sulfur 1.00 1.04 104 50 - 150 mg/L

Eurofins Albuquerque

4/19/2024

Client: EA Engineering Job ID: 885-1071-1

Project/Site: Del Oro Dairy

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: MB 885-2083/1-A

Matrix: Water

Analysis Batch: 2512

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 2083

 Analyte
 Result Sulfur
 Qualifier ND
 RL ND
 Unit mg/L
 D 03/21/24 12:44
 Prepared 03/21/24 12:44
 Analyzed 03/28/24 14:28
 D 1 on mg/L

Lab Sample ID: LCS 885-2083/3-A

Matrix: Water

Analysis Batch: 2512

Spike

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 2083
%Rec

 Analyte
 Added Sulfur
 Result Found
 Unit Mig/L
 Description
 WRec Sulfur

Lab Sample ID: LLCS 885-2083/2-A Client Sample ID: Lab Control Sample **Matrix: Water Prep Type: Total Recoverable Analysis Batch: 2512** Prep Batch: 2083 Spike LLCS LLCS %Rec Added Result Qualifier Limits Analyte Unit %Rec Sulfur 1.00 1.07 107 50 - 150 mg/L

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

Lab Sample ID: MB 885-1840/1

Matrix: Water

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

Analysis Batch: 1840

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Total Dissolved Solids
 ND
 50
 mg/L
 03/18/24 10:10
 1

Lab Sample ID: LCS 885-1840/2

Matrix: Water

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

**Analysis Batch: 1840** 

 Analyte
 Added Total Dissolved Solids
 Result 1000
 Qualifier 1040
 Unit mg/L
 D MRec Limits 104
 Limits 104
 Mec Limit

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-2164/6-A

Matrix: Water

Analysis Batch: 2335

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2164

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Factoria

 Nitrogen, Total Kjeldahl
 ND
 0.50
 mg/L
 03/22/24 12:23
 03/26/24 13:54
 1

Lab Sample ID: LCS 885-2164/8-A

Matrix: Water

Analysis Batch: 2335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2164

SpikeLCSLCSKRecAnalyteAddedResultQualifierUnitD%RecLimitsNitrogen, Total Kjeldahl9.919.59mg/L9790 - 110

4/19/2024

### **QC Sample Results**

Client: EA Engineering Job ID: 885-1071-1

Project/Site: Del Oro Dairy

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

Lab Sample ID: LLCS 885-2164/7-A Client Sample ID: Lab Control Sample

Matrix: Water Analysis Batch: 2335 Prep Type: Total/NA
Prep Batch: 2164

•	Spike	LLCS	LLCS			%Rec
Analyte	Added	Result	Qualifier Un	it D	%Rec	Limits
Nitrogen, Total Kjeldahl	0.496	ND	mg	/L	90	50 - 150

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### **QC Association Summary**

Client: EA Engineering Job ID: 885-1071-1 Project/Site: Del Oro Dairy

#### HPLC/IC

#### **Analysis Batch: 1696**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batc	h
885-1071-1	692 - Lagoon	Total/NA	Water	300.0	_
MB 885-1696/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1696/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1696/3	Lab Control Sample	Total/NA	Water	300.0	

#### **Analysis Batch: 2064**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1071-1	692 - Lagoon	Total/NA	Water	300.0	
MB 885-2064/5	Method Blank	Total/NA	Water	300.0	
LCS 885-2064/6	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-2064/4	Lab Control Sample	Total/NA	Water	300.0	

#### Metals

#### Prep Batch: 2083

<b>Lab Sample ID</b> 885-1071-1	Client Sample ID 692 - Lagoon	Prep Type  Total Recoverable	Matrix Water	Method 200.2	Prep Batch
MB 885-2083/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-2083/3-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-2083/2-A	Lab Control Sample	Total Recoverable	Water	200.2	

#### **Analysis Batch: 2512**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1071-1	692 - Lagoon	Total Recoverable	Water	200.7 Rev 4.4	2083
MB 885-2083/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	2083
LCS 885-2083/3-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	2083
LLCS 885-2083/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	2083
MRL 885-2512/14	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

#### **General Chemistry**

#### **Analysis Batch: 1840**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1071-1	692 - Lagoon	Total/NA	Water	2540C	
MB 885-1840/1	Method Blank	Total/NA	Water	2540C	
LCS 885-1840/2	Lab Control Sample	Total/NA	Water	2540C	

#### Prep Batch: 2164

Lab Sample ID 885-1071-1	Client Sample ID 692 - Lagoon	Prep Type Total/NA	Matrix Water	Method 351.2	Prep Batch
MB 885-2164/6-A	Method Blank	Total/NA	Water	351.2	
LCS 885-2164/8-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-2164/7-A	Lab Control Sample	Total/NA	Water	351.2	

#### **Analysis Batch: 2335**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1071-1	692 - Lagoon	Total/NA	Water	351.2	2164
MB 885-2164/6-A	Method Blank	Total/NA	Water	351.2	2164
LCS 885-2164/8-A	Lab Control Sample	Total/NA	Water	351.2	2164
LLCS 885-2164/7-A	Lab Control Sample	Total/NA	Water	351.2	2164

Eurofins Albuquerque

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4/19/2024

#### **Lab Chronicle**

Client: EA Engineering Job ID: 885-1071-1

Project/Site: Del Oro Dairy

Client Sample ID: 692 - Lagoon Lab Sample ID: 885-1071-1

Date Collected: 03/12/24 16:30 Matrix: Water Date Received: 03/13/24 08:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0			1696	RC	EET ALB	03/13/24 17:26
Total/NA	Analysis	300.0		200	2064	RC	EET ALB	03/20/24 10:21
Total Recoverable	Prep	200.2			2083	TM	<b>EET ALB</b>	03/21/24 12:44
Total Recoverable	Analysis	200.7 Rev 4.4		1	2512	JR	EET ALB	03/28/24 14:51
Total/NA	Analysis	2540C		1	1840	KB	EET ALB	03/18/24 10:10
Total/NA	Prep	351.2			2164	EH	<b>EET ALB</b>	03/22/24 12:23
Total/NA	Analysis	351.2		5	2335	EH	EET ALB	03/26/24 14:18

#### **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: 885-1071-1

Project/Site: Del Oro Dairy

#### **Laboratory: Eurofins Albuquerque**

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

Authority		Program	Identification Number	Expiration Date
New Mexico		State	NM9425, NM0901	02-26-25
The following analyte for which the agency			not certified by the governing author	ity. 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	
Oregon		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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	ANALYSIS LABORATORY	www.hallenvironmental com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	008		Э С	С МО 300 EБР И	7 30 7 30 200 200	OLUS OLUS OLUS OLUS OLUS OLUS OLUS OLUS	Mitrate/ TKN SI Chlorid TDS SI Sulfate Phosph Total S	XXXXX	00						Time Remarks.	Time	other someofied isharehaise. This earlies so notice of this accolability. Any only contracted data will be clearly notated on the smalldical react
Turn-Around Time:	Standard 🗆 Rush	Project Name	el Oro Dairy	Project #.		Project Manager.	Gina Mullen		Sampler: Angel N. Rivera On Ice; Ɗi Yes □ No P~4.		Cooler Templine with $\mathcal{C}_{1}$ ( $\mathcal{C}_{2}$ ) 8 $\mathcal{C}_{2}$ ( $\mathcal{C}_{3}$ ) 6 $\mathcal{C}_{2}$	Container Preservative Type and # Type	2	885-1071 COC						Received by Via Date	Received by. Via. Date	emercant to other enemality librarians This contact
Chain-of-Custody Record		Science, and Technology			505-715-4279	en@eaest com		☐ Level 4 (Full Validation)	☐ Az Compliance ☐ Other			Matrix Sample Name	Lager 692- Lagoon	-						Relinquished by R	Relinquished by Relinguished By	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Chain	Client.	EA Engineering,	Mailing Address:	320 Gold Ave SW Suite	Phone #:	email or Fax#"	QA/QC Package:	□ Standard	Accreditation: □ NELAC	□ EDD (Type)		Date Time	3-12 16:30		_					Date Time 3-12 12:17	7	

Client: EA Engineering

Job Number: 885-1071-1

Login Number: 1071 List Source: Eurofins Albuquerque List Number: 1

Creator: Lowman, Nick

	_	
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	
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

**Eurofins Albuquerque** 

## 10

# PREPARED FOR

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

**ANALYTICAL REPORT** 

Generated 4/18/2024 4:06:22 PM

# **JOB DESCRIPTION**

**Bright Star Dairy** 

### **JOB NUMBER**

885-1261-1

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 John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

Client: EA Engineering Project/Site: Bright Star Dairy Laboratory Job ID: 885-1261-1

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### **Definitions/Glossary**

Client: EA Engineering Job ID: 885-1261-1

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) Most Probable Number MPN 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) Toxicity Equivalent Quotient (Dioxin) TEQ

**TNTC** Too Numerous To Count

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#### **Case Narrative**

Client: EA Engineering

Job ID: 885-1261-1

Project: Bright Star Dairy

Job ID: 885-1261-1 Eurofins Albuquerque

# Job Narrative 885-1261-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/14/2024 7:15 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 9.3°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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### **Client Sample Results**

Client: EA Engineering Job ID: 885-1261-1

Project/Site: Bright Star Dairy

Client Sample ID: LRG-00953 Lab Sample ID: 885-1261-1

Date Collected: 03/13/24 12:55

Matrix: Water

Date Received: 03/14/24 07:15

Total Dissolved Solids (SM 2540C)

Nitrogen, Total Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	860	50	mg/L			03/14/24 20:53	100		
Nitrate Nitrite as N	15	2.0	mg/L			03/14/24 20:40	10		
General Chemistry Analyte	Result Qualifier	RL	Unit	n	Prepared	Analvzed	Dil Fac		

100

0.50

mg/L

mg/L

2600

ND

7

8

03/19/24 14:44

03/25/24 12:20 03/27/24 15:19

9

Client: EA Engineering Project/Site: Bright Star Dairy Job ID: 885-1261-1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

**Prep Type: Total/NA** 

Prep Type: Total/NA

Prep Type: Total/NA

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

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1747/4

**Matrix: Water** 

**Analysis Batch: 1747** 

MB MB

Analyte Result Qualifier RL Unit Analyzed Dil Fac D Prepared Chloride 0.50 03/14/24 12:21 ND mg/L

Lab Sample ID: LCS 885-1747/5

**Matrix: Water** 

**Analysis Batch: 1747** 

Spike LCS LCS %Rec Analyte Added Result Qualifier D %Rec Limits Unit Chloride 5.00 90 - 110 4.77 mg/L 95

Lab Sample ID: MRL 885-1747/3

**Matrix: Water** 

**Analysis Batch: 1747** 

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit %Rec Chloride 0.500 0.545 109 50 - 150 mg/L

Lab Sample ID: MB 885-1748/4

**Matrix: Water** 

**Analysis Batch: 1748** 

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrate Nitrite as N  $\overline{\mathsf{ND}}$ 0.20 03/14/24 12:21 mg/L

Lab Sample ID: LCS 885-1748/5

**Matrix: Water** 

**Analysis Batch: 1748** 

LCS LCS Spike %Rec Analyte Added Limits Result Qualifier Unit %Rec Nitrate Nitrite as N 3.50 3.49 100 90 - 110 mg/L

Lab Sample ID: MRL 885-1748/3

**Matrix: Water** 

**Analysis Batch: 1748** 

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit D %Rec 0.200 0.210 Nitrate Nitrite as N mg/L 105 50 - 150

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

Lab Sample ID: MB 885-1956/1

**Matrix: Water** 

**Analysis Batch: 1956** 

MR MR

Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total Dissolved Solids 50 03/19/24 14:44 ND mg/L

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4/18/2024

Job ID: 885-1261-1

Client: EA Engineering Project/Site: Bright Star Dairy

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

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

**Matrix: Water Analysis Batch: 1956** 

Lab Sample ID: LCS 885-1956/2

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

Lab Sample ID: 885-1261-1 DU Client Sample ID: LRG-00953 Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1956** 

Sample Sample DU DU **RPD** Result Qualifier Result Qualifier Unit D RPD Limit Analyte Total Dissolved Solids 2600 2650 mg/L 0.08 10

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-2256/6-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2403** 

MB MB Result Qualifier RL Unit Analyzed Dil Fac Analyte Prepared 0.50 03/25/24 12:20 03/27/24 14:34 Nitrogen, Total Kjeldahl ND mg/L

Lab Sample ID: LCS 885-2256/8-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2403** 

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

Nitrogen, Total Kjeldahl 9.91 10.3 mg/L 104 90 - 110

Lab Sample ID: LLCS 885-2256/7-A

**Matrix: Water** 

**Analysis Batch: 2403** 

Prep Batch: 2256 LLCS LLCS Spike %Rec Analyte Added Result Qualifier Unit Limits Nitrogen, Total Kjeldahl 0.496 ND mg/L 50 - 150

Lab Sample ID: MB 885-2342/33-A **Client Sample ID: Method Blank Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2471** 

Nitrogen, Total Kjeldahl

мв мв Analyte Result Qualifier RL Unit Prepared

0.50

mg/L

mg/L

Lab Sample ID: LCS 885-2342/35-A Client Sample ID: Lab Control Sample

**Matrix: Water** 

**Analysis Batch: 2471** Prep Batch: 2342 LCS LCS Spike %Rec Added Result Qualifier Unit D %Rec Limits Nitrogen, Total Kjeldahl 9.91 10.2

ND

Prep Type: Total/NA

Prep Batch: 2256

Prep Batch: 2256

**Client Sample ID: Lab Control Sample** 

03/26/24 17:03 03/28/24 15:13

90 - 110

103

Prep Batch: 2342

4/18/2024

### **QC Sample Results**

Client: EA Engineering

Job ID: 885-1261-1

Project/Site: Bright Star Dairy

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LLCS 885-2342/34-A Client Sample ID: Lab Control Sample

Matrix: Water

Analysis Batch: 2471

Prep Type: Total/NA
Prep Batch: 2342
Spike LLCS LLCS %Rec

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# **QC Association Summary**

Client: EA Engineering Job ID: 885-1261-1 Project/Site: Bright Star Dairy

## HPLC/IC

Analy	vsis	<b>Batch</b>	ո։ 1	747
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
885-1261-1	LRG-00953	Total/NA	Water	300.0
MB 885-1747/4	Method Blank	Total/NA	Water	300.0
LCS 885-1747/5	Lab Control Sample	Total/NA	Water	300.0
MRL 885-1747/3	Lab Control Sample	Total/NA	Water	300.0

#### **Analysis Batch: 1748**

<b>Lab Sample ID</b> 885-1261-1	Client Sample ID  LRG-00953	Prep Type Total/NA	Matrix Water	Method 300.0	Prep Batch
MB 885-1748/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1748/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1748/3	Lab Control Sample	Total/NA	Water	300.0	

## **General Chemistry**

## **Analysis Batch: 1956**

Lab Sample ID 885-1261-1	Client Sample ID  LRG-00953	Prep Type Total/NA	Matrix Water	Method 2540C	Prep Batch
MB 885-1956/1	Method Blank	Total/NA	Water	2540C	
LCS 885-1956/2	Lab Control Sample	Total/NA	Water	2540C	
885-1261-1 DU	LRG-00953	Total/NA	Water	2540C	

#### Prep Batch: 2256

Lab Sample ID 885-1261-1	Client Sample ID  LRG-00953	Prep Type Total/NA	Matrix Water	Method 351.2	Prep Batch
MB 885-2256/6-A	Method Blank	Total/NA	Water	351.2	
LCS 885-2256/8-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-2256/7-A	Lab Control Sample	Total/NA	Water	351.2	

#### Prep Batch: 2342

Lab Sample ID MB 885-2342/33-A	Client Sample ID  Method Blank	Prep Type Total/NA	Matrix Water	Method 351.2	Prep Batch
LCS 885-2342/35-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-2342/34-A	Lab Control Sample	Total/NA	Water	351.2	

#### **Analysis Batch: 2403**

<b>Lab Sample ID</b> 885-1261-1	Client Sample ID  LRG-00953	Prep Type  Total/NA	Matrix Water	Method 351.2	Prep Batch 2256
MB 885-2256/6-A	Method Blank	Total/NA	Water	351.2	2256
LCS 885-2256/8-A	Lab Control Sample	Total/NA	Water	351.2	2256
LLCS 885-2256/7-A	Lab Control Sample	Total/NA	Water	351.2	2256

#### **Analysis Batch: 2471**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-2342/33-A	Method Blank	Total/NA	Water	351.2	2342
LCS 885-2342/35-A	Lab Control Sample	Total/NA	Water	351.2	2342
LLCS 885-2342/34-A	Lab Control Sample	Total/NA	Water	351.2	2342

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## **Lab Chronicle**

Client: EA Engineering Job ID: 885-1261-1

Project/Site: Bright Star Dairy

Client Sample ID: LRG-00953 Lab Sample ID: 885-1261-1

Matrix: Water

Date Collected: 03/13/24 12:55
Date Received: 03/14/24 07:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1748	RC	EET ALB	03/14/24 20:40
Total/NA	Analysis	300.0		100	1747	RC	EET ALB	03/14/24 20:53
Total/NA	Analysis	2540C		1	1956	JU	EET ALB	03/19/24 14:44
Total/NA	Prep	351.2			2256	EH	<b>EET ALB</b>	03/25/24 12:20
Total/NA	Analysis	351.2		1	2403	EH	EET ALB	03/27/24 15:19

#### **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: 885-1261-1

Project/Site: Bright Star Dairy

## **Laboratory: Eurofins Albuquerque**

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

Authority	Progra	am	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
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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	NELAI	<b>o</b>	NM100001	02-26-25
0 ,	s are included in this repo does not offer certification	•	not certified by the governing author	ity. This list may include analyte:
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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320 Gold Ave SW Suite	Φ	Project #:		Tel.	. 505	505-345-3975	3975	Fax	Fax 505-345-4107	4107			
Phone #: 505-7	505-715-4279						Ā	ıalysis	Analysis Request				
email or Fax#:	rmullen@eaest.com	Project Manager:		300				<u> </u>					
QA/QC Package: ☐ Standard	☐ Level 4 (Full Validation)	Gina Mullen		poqje	) E	<u> </u>		10B					
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4901 Hawkins NE - Albuquerque, NM 87109 885-1261 COC

www.hallenvironmental.com

Fax 505-345-4107

Tel. 505-345-3975

**Analysis Request** 

Total Sulfur

Sulfate EPA 300

No.

Phosphorus EPA 60108

LDS SW 2540 C MOD Chloride EPA 300

LKN SW 4200 NOKE C

Nitrate/Nitrites EPA Method 300

HALL ENVIRONMEN ANALYSIS LABORA

☐ Rush

Project Name: C Standard

EA Engineering, Science, and Technology

Mailing Address

Turn-Around Time:

Chain-of-Custody Record

Bright Star Project#:

Remarks:

Time

Time

## **Login Sample Receipt Checklist**

Client: EA Engineering Job Number: 885-1261-1

Login Number: 1261 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.	False	Water present in cooler, indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
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").	N/A	
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 4/18/2024 3:52:36 PM

# **JOB DESCRIPTION**

**Dominguez Dairy 1** 

# **JOB NUMBER**

885-1225-1

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 John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

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Client: EA Engineering Project/Site: Dominguez Dairy 1 Laboratory Job ID: 885-1225-1

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## **Definitions/Glossary**

Client: EA Engineering Job ID: 885-1225-1

Project/Site: Dominguez Dairy 1

#### **Qualifiers**

**General Chemistry** 

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
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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**Eurofins Albuquerque** 

#### **Case Narrative**

Client: EA Engineering

Job ID: 885-1225-1

Project: Dominguez Dairy 1

Job ID: 885-1225-1 Eurofins Albuquerque

# Job Narrative 885-1225-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/14/2024 8:36 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 -1.9°C.

#### Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: LRG-00591-S (885-1225-1) and LRG-00591-S-2 (885-1225-2).

#### 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 run 2403 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.

Eurofins Albuquerque

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# **Client Sample Results**

Client: EA Engineering Job ID: 885-1225-1

Project/Site: Dominguez Dairy 1

Client Sample ID: LRG-00591-S

Lab Sample ID: 885-1225-1 Date Collected: 03/13/24 14:00 **Matrix: Water** 

Date Received: 03/14/24 08:36

Method: EPA 300.0 - Anion	s, Ion Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200	50	mg/L			03/14/24 17:52	100
Nitrate Nitrite as N	26	2.0	mg/L			03/14/24 17:40	10
General Chemistry	Result Qualifier	RI	Unit	n	Prenared	Analyzed	Dil Fac

General Chemistry Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3200	500	mg/L			03/19/24 14:44	1
Nitrogen, Total Kieldahl (EPA 351.2)	ND	0.50	ma/L		03/25/24 12:20	03/27/24 15:18	1

4/18/2024

# **Client Sample Results**

Client: EA Engineering Job ID: 885-1225-1

Project/Site: Dominguez Dairy 1

Client Sample ID: LRG-00591-S-2

Lab Sample ID: 885-1225-2 **Matrix: Water** 

Date Collected: 03/13/24 14:25 Date Received: 03/14/24 08:36

Method: EPA 300.0 - Anions,	Ion Chromatogra	phy					
Analyte	Result Qualit	fier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200	50	mg/L			03/14/24 18:17	100

Nitrate Nitrite as N	27		2.0	mg/L			03/14/24 18:04	10	
General Chemistry Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total Dissolved Solids (SM 2540C)	3500		500	mg/L			03/19/24 14:44	1	
Nitrogen, Total Kieldahl (EPA 351,2)	ND	F1	0.50	ma/L		03/25/24 12:20	03/27/24 15:28	1	

Job ID: 885-1225-1

Client: EA Engineering

Project/Site: Dominguez Dairy 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

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1752/4

**Matrix: Water** 

**Analysis Batch: 1752** 

MB MB

Analyte Result Qualifier RL Unit Analyzed Dil Fac D Prepared Chloride 0.50 03/14/24 09:52 ND mg/L

Lab Sample ID: LCS 885-1752/5

**Matrix: Water** 

**Analysis Batch: 1752** 

Spike LCS LCS %Rec Analyte Added Result Qualifier D %Rec Limits Unit Chloride 5.00 90 - 110 4.94 mg/L 99

Lab Sample ID: MRL 885-1752/3

**Matrix: Water** 

**Analysis Batch: 1752** 

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit %Rec Chloride 0.500 0.542 108 50 - 150 mg/L

Lab Sample ID: MB 885-1753/4

**Matrix: Water** 

**Analysis Batch: 1753** 

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrate Nitrite as N  $\overline{\mathsf{ND}}$ 0.20 03/14/24 09:52 mg/L

Lab Sample ID: LCS 885-1753/5

**Matrix: Water** 

**Analysis Batch: 1753** 

LCS LCS Spike %Rec Analyte Added Limits Result Qualifier Unit %Rec Nitrate Nitrite as N 3.50 3.64 104 90 - 110 mg/L

Lab Sample ID: MRL 885-1753/3

**Matrix: Water** 

**Analysis Batch: 1753** 

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit D %Rec 0.200 0.210 Nitrate Nitrite as N mg/L 105 50 - 150

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

Lab Sample ID: MB 885-1956/1

**Matrix: Water** 

**Analysis Batch: 1956** 

MR MR Result Qualifier

RL Unit D Prepared Analyzed Dil Fac Total Dissolved Solids 50 03/19/24 14:44 ND mg/L

Eurofins Albuquerque

Prep Type: Total/NA

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

Client: EA Engineering Job ID: 885-1225-1

Project/Site: Dominguez Dairy 1

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

Lab Sample ID: LCS 885-1956/2 Client Sample ID: Lab Control Sample **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 1956** 

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

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-2256/33-A **Client Sample ID: Method Blank Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2403** 

MB MB Result Qualifier RL Unit Prepared Analyzed Dil Fac 0.50 03/25/24 12:20 03/27/24 15:21  $\overline{\mathsf{ND}}$ mg/L

Lab Sample ID: MB 885-2256/6-A Client Sample ID: Method Blank Prep Type: Total/NA

**Matrix: Water** 

Nitrogen, Total Kjeldahl

**Analysis Batch: 2403** 

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Analyte Prepared 0.50 03/25/24 12:20 03/27/24 14:34 Nitrogen, Total Kjeldahl ND mg/L

Lab Sample ID: LCS 885-2256/35-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 2403** 

Prep Batch: 2256 LCS LCS Spike %Rec Added Result Qualifier Unit D %Rec Limits

Analyte Nitrogen, Total Kjeldahl 9.91 10.5 mg/L 106 90 - 110

Lab Sample ID: LCS 885-2256/8-A

**Matrix: Water** 

**Analysis Batch: 2403** 

Prep Batch: 2256 LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits

Nitrogen, Total Kjeldahl 9.91 10.3 mg/L 104 90 - 110

Lab Sample ID: LLCS 885-2256/34-A

Nitrogen, Total Kjeldahl

**Matrix: Water** Prep Type: Total/NA **Analysis Batch: 2403** Prep Batch: 2256 LLCS LLCS Spike %Rec Added Result Qualifier Analyte Unit %Rec Limits

ND

mg/L

Lab Sample ID: LLCS 885-2256/7-A

**Matrix: Water** 

**Analysis Batch: 2403** 

Prep Batch: 2256 LLCS LLCS Spike %Rec Added Result Qualifier Unit D %Rec Limits Nitrogen, Total Kjeldahl 0.496 ND mg/L 91 50 - 150

0.496

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4/18/2024

Prep Type: Total/NA

Prep Batch: 2256

Prep Batch: 2256

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample** 

50 - 150

**Client Sample ID: Lab Control Sample** 

# **QC Sample Results**

Client: EA Engineering Job ID: 885-1225-1

Project/Site: Dominguez Dairy 1

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

ND F1

Nitrogen, Total Kjeldahl

Lab Sample ID: 885-1225-2	MS						Clie	nt Samp	ole ID: LRG-00591-S-2
Matrix: Water									Prep Type: Total/NA
Analysis Batch: 2403									Prep Batch: 2256
_	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits

4.88 F1

mg/L

49

90 - 110

_ Lab Sample ID: 885-1225-2 Matrix: Water	2 MSD						Clier	nt Samp	ole ID: LR Prep Ty		
Analysis Batch: 2403									Prep	Batch:	2256
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrogen, Total Kjeldahl	ND	F1	9.91	5.18	F1	mg/L		52	90 - 110	6	20

9.91

# **QC Association Summary**

Client: EA Engineering

Job ID: 885-1225-1 Project/Site: Dominguez Dairy 1

## HPLC/IC

#### **Analysis Batch: 1752**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1225-1	LRG-00591-S	Total/NA	Water	300.0	
885-1225-2	LRG-00591-S-2	Total/NA	Water	300.0	
MB 885-1752/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1752/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1752/3	Lab Control Sample	Total/NA	Water	300.0	

#### **Analysis Batch: 1753**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1225-1	LRG-00591-S	Total/NA	Water	300.0	<u> </u>
885-1225-2	LRG-00591-S-2	Total/NA	Water	300.0	
MB 885-1753/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1753/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1753/3	Lab Control Sample	Total/NA	Water	300.0	

## **General Chemistry**

### **Analysis Batch: 1956**

Lab Sample ID 885-1225-1	Client Sample ID LRG-00591-S	Prep Type Total/NA	Matrix Water	Method 2540C	Prep Batch
885-1225-2	LRG-00591-S-2	Total/NA	Water	2540C	
MB 885-1956/1	Method Blank	Total/NA	Water	2540C	
LCS 885-1956/2	Lab Control Sample	Total/NA	Water	2540C	

#### Prep Batch: 2256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1225-1	LRG-00591-S	Total/NA	Water	351.2	<del></del>
885-1225-2	LRG-00591-S-2	Total/NA	Water	351.2	
MB 885-2256/33-A	Method Blank	Total/NA	Water	351.2	
MB 885-2256/6-A	Method Blank	Total/NA	Water	351.2	
LCS 885-2256/35-A	Lab Control Sample	Total/NA	Water	351.2	
LCS 885-2256/8-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-2256/34-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-2256/7-A	Lab Control Sample	Total/NA	Water	351.2	
885-1225-2 MS	LRG-00591-S-2	Total/NA	Water	351.2	
885-1225-2 MSD	LRG-00591-S-2	Total/NA	Water	351.2	

#### **Analysis Batch: 2403**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1225-1	LRG-00591-S	Total/NA	Water	351.2	2256
885-1225-2	LRG-00591-S-2	Total/NA	Water	351.2	2256
MB 885-2256/33-A	Method Blank	Total/NA	Water	351.2	2256
MB 885-2256/6-A	Method Blank	Total/NA	Water	351.2	2256
LCS 885-2256/35-A	Lab Control Sample	Total/NA	Water	351.2	2256
LCS 885-2256/8-A	Lab Control Sample	Total/NA	Water	351.2	2256
LLCS 885-2256/34-A	Lab Control Sample	Total/NA	Water	351.2	2256
LLCS 885-2256/7-A	Lab Control Sample	Total/NA	Water	351.2	2256
885-1225-2 MS	LRG-00591-S-2	Total/NA	Water	351.2	2256
885-1225-2 MSD	LRG-00591-S-2	Total/NA	Water	351.2	2256

Eurofins Albuquerque

#### **Lab Chronicle**

Client: EA Engineering Job ID: 885-1225-1

Project/Site: Dominguez Dairy 1

Client Sample ID: LRG-00591-S

Lab Sample ID: 885-1225-1 Date Collected: 03/13/24 14:00

**Matrix: Water** Date Received: 03/14/24 08:36

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1753	RC	EET ALB	03/14/24 17:40
Total/NA	Analysis	300.0		100	1752	RC	EET ALB	03/14/24 17:52
Total/NA	Analysis	2540C		1	1956	JU	EET ALB	03/19/24 14:44
Total/NA	Prep	351.2			2256	EH	<b>EET ALB</b>	03/25/24 12:20
Total/NA	Analysis	351.2		1	2403	EH	EET ALB	03/27/24 15:18

Client Sample ID: LRG-00591-S-2 Lab Sample ID: 885-1225-2

Date Collected: 03/13/24 14:25 **Matrix: Water** 

Date Received: 03/14/24 08:36

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0			1753	RC	EET ALB	03/14/24 18:04
Total/NA	Analysis	300.0		100	1752	RC	EET ALB	03/14/24 18:17
Total/NA	Analysis	2540C		1	1956	JU	EET ALB	03/19/24 14:44
Total/NA	Prep	351.2			2256	EH	EET ALB	03/25/24 12:20
Total/NA	Analysis	351.2		1	2403	EH	<b>EET ALB</b>	03/27/24 15:28

**Laboratory References:** 

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

# **Accreditation/Certification Summary**

Client: EA Engineering Job ID: 885-1225-1

Project/Site: Dominguez Dairy 1

## **Laboratory: Eurofins Albuquerque**

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

Authority	Progr	am	Identification Number	Expiration Date
New Mexico	State		NM9425, NM0901	02-26-25
• ,	•	•	not certified by the governing author	ity. This list may include analytes
0 ,	does 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
The following analyte	s are included in this reno	rt but the laboratory is i	not certified by the governing author	ity This list may include analytes
,	does not offer certification	,	iot deranied by the governing addition	ry. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

	Chent: EA Engineering,	hain-	-of-CL	Chain-of-Custody Record t: ngineering, Science, and Technology	Turn-Around Time:	Time:					HALL ANAL www hall	<b>KS</b>	IALL ENVIRON INALYSIS LABC www hallenvironmental com	HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com	A S	<b>F</b> 0
	320 Gold Ave SW Suite	A Ave S	W Suite		Dominguez Dairy Project #.	airy /		<del></del>	4901 Ha Tel. 509	wkins 5-345	Hawkins NE - 505-345-3975	Albuqu Fax	uerque x 505-:	4901 Hawkins NE - Albuquerque, NM 871 Tel. 505-345-3975     Fax  505-345-4107	<u> </u>	
	Phone #:		505-715-4279	-4279							A	nalys		iest	Thursday, 1970	
	email or Fax#:	Fax#:		rmullen@eaest com	Project Manager:	ger:		300								885-1225 COC
	QA/QC Package [.] □ Standard	ackage [.] lard		☐ Level 4 (Full Validation)		Gina Mullen		ethod 3					anı			
	Accreditation:	ation:	□ Az Co □ Other	☐ Az Compliance ☐ Other	Sampler: On Ice;	Angel N Riv	Rivera	M A93					.00 A			
-	□ EDD (Type)	(Type)			# of Coolers;		1/4 ex	T səti								
	Date .	Time	Matrix	Sample Name	Cooler Temp Container Type and #	er Preservative d# Type	HEAL No.	/ // Witrate/Nitri	TKN SW 4	Chloride E	TDS SM 2:		Phosphoru Uilu2 latoT			
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Page		14:25		LRG-60 591-5.2	ح			イ	X	X ×						
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	Date 2~ 12	Time	Relinquished by.	ed by.	Received by	Via Via	Date lime	Remarks:	_	40	Not Frozen	Ş	ر ح	72/2/24	7	_
	1	Time	Relinquished by	ed by.	Received by	Via	Date Time	<del></del>	-	<u>.</u>					-	
 4/18		necessary,	samples sut		contracted to other a	ccredited laboratori	ies This serves as notice of thi	is possibility	Any sul	o-contra	cted data	will be cl	early notal	ted on the ar	nalytical	report.

## **Login Sample Receipt Checklist**

Client: EA Engineering Job Number: 885-1225-1

Login Number: 1225 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.	False	Refer to Job Narrative for details.
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 4/18/2024 3:50:21 PM

# **JOB DESCRIPTION**

Mountain View Dairy

## **JOB NUMBER**

885-1217-1

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 4/18/2024 3:50:21 PM

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

Page 2 of 15 4/18/2024

Client: EA Engineering
Project/Site: Mountain View Dairy

Laboratory Job ID: 885-1217-1

# **Table of Contents**

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Chain of Custody	14
Receipt Checklists	15

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## **Definitions/Glossary**

Client: EA Engineering Job ID: 885-1217-1

Project/Site: Mountain View Dairy

#### **Qualifiers**

#### **HPLC/IC**

Qualifier Qualifier Description

4 MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable.

#### **Glossary**

Abbreviation These commonly used abbreviations may 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
Project: Mountain View Dairy

Job ID: 885-1217-1 Eurofins Albuquerque

#### Job Narrative 885-1217-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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  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.

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The samples were received on 3/14/2024 8:36 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 -1.9°C.

#### Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: LRG-457-S (FLOOD) (885-1217-1) and LRG-00952 DAIRY PARLOR (885-1217-2).

#### HPLC/IC

Method 300_OF_28D_NO3: The following samples were diluted for Nitrate Nitrite as N due to the nature of the sample matrix: LRG-457-S (FLOOD) (885-1217-1) and LRG-00952 DAIRY PARLOR (885-1217-2). 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: 885-1217-1

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# **Client Sample Results**

Client: EA Engineering Job ID: 885-1217-1

Project/Site: Mountain View Dairy

Lab Sample ID: 885-1217-1 Client Sample ID: LRG-457-S (FLOOD)

Date Received: 03/14/24 08:36

Date Collected: 03/13/24 11:05 **Matrix: Water** 

Method: EPA 300.0 - Anions, I	lon Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND	2.0	mg/L			03/14/24 17:45	10
Conoral Chamiatry							

General Chemistry Result Qualifier RL Unit Analyzed Dil Fac Analyte Prepared Nitrogen, Total Kjeldahl (EPA 351.2) 03/22/24 12:23 03/26/24 15:01 ND 0.50 mg/L

# **Client Sample Results**

Client: EA Engineering Job ID: 885-1217-1

Project/Site: Mountain View Dairy

Date Received: 03/14/24 08:36

Client Sample ID: LRG-00952 DAIRY PARLOR

Date Collected: 03/13/24 11:55

Lab Sample ID: 885-1217-2 **Matrix: Water** 

Method: EPA 300.0 - Anions, Ior	Chroma	tography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	780		50	mg/L			03/14/24 18:47	100
Nitrate Nitrite as N	4.4		2.0	mg/L			03/14/24 18:09	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2500		250	mg/L			03/19/24 14:44	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/22/24 12:23	03/26/24 15:06	1

Job ID: 885-1217-1

Client: EA Engineering Project/Site: Mountain View Dairy

### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1745/23

**Matrix: Water** 

Analyte

Chloride

**Analysis Batch: 1745** 

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

MB MB Result Qualifier RL Unit Analyzed Dil Fac D Prepared 0.50 03/14/24 16:06 ND mg/L

Lab Sample ID: LCS 885-1745/24 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 1745** 

Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Analyte Unit 5.00 90 - 110 Chloride 4.90 mg/L 98

Lab Sample ID: MRL 885-1745/22 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1745** 

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit %Rec Chloride 0.500 0.532 50 - 150 mg/L

Lab Sample ID: 885-1217-2 MS Client Sample ID: LRG-00952 DAIRY PARLOR **Prep Type: Total/NA** 

**Matrix: Water** 

**Analysis Batch: 1745** 

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 50.0 1080 4 1000 mg/L 62 80 - 120

Lab Sample ID: 885-1217-2 MSD Client Sample ID: LRG-00952 DAIRY PARLOR

**Matrix: Water** 

**Analysis Batch: 1745** 

MSD MSD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Limits Unit %Rec **RPD** Limit Chloride 1000 50.0 1040 4 80 - 120 mg/L

Lab Sample ID: MB 885-1751/23 Client Sample ID: Method Blank

**Matrix: Water** 

**Analysis Batch: 1751** 

MB MB

Qualifier Analyte Result RL Unit Dil Fac Prepared Analyzed 0.20 03/14/24 16:06 Nitrate Nitrite as N ND mg/L

**Client Sample ID: Lab Control Sample** Lab Sample ID: LCS 885-1751/24

**Matrix: Water** 

**Analysis Batch: 1751** 

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit %Rec 3.50 Nitrate Nitrite as N 3.63 mg/L 104 90 - 110

Lab Sample ID: MRL 885-1751/22 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1751** 

Spike MRL MRL %Rec Added Limits Analyte Result Qualifier Unit %Rec Nitrate Nitrite as N 0.200 50 - 150 0.212 mg/L 106

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4/18/2024

Prep Type: Total/NA RPD

Prep Type: Total/NA

Client: EA Engineering

Project/Site: Mountain View Dairy

Job ID: 885-1217-1

### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-1217-2 MS

Lab Sample ID: 885-1217-2 MSD

Client Sample ID: LRG-00952 DAIRY PARLOR

Prep Type: Total/NA

**Matrix: Water Analysis Batch: 1751** 

Sample Sample Spike MS MS %Rec Result Qualifier Result Qualifier Added Limits Analyte Unit %Rec 35.0 Nitrate Nitrite as N 4.4 38.8 mg/L 98 80 - 120

Client Sample ID: LRG-00952 DAIRY PARLOR

Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1751** 

Sample Sample Spike MSD MSD %Rec **RPD** Limit Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD 35.0 38.5 Nitrate Nitrite as N 44 mg/L 97 80 - 120 20

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

Lab Sample ID: MB 885-1956/1 Client Sample ID: Method Blank Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1956** 

MB MB

Result Qualifier RL Unit Dil Fac Analyte Prepared Analyzed 50 03/19/24 14:44 **Total Dissolved Solids** ND mg/L

Lab Sample ID: LCS 885-1956/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1956** 

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

Lab Sample ID: 885-1217-2 DU Client Sample ID: LRG-00952 DAIRY PARLOR **Prep Type: Total/NA** 

**Matrix: Water** 

**Analysis Batch: 1956** 

DU DU **RPD** Sample Sample Analyte Result Qualifier Result Qualifier Unit **RPD** Limit Total Dissolved Solids 2500 2370 mg/L

#### Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-2164/33-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 2335** Prep Batch: 2164

MB MB Result Qualifier RL Unit Analyzed Nitrogen, Total Kjeldahl  $\overline{\mathsf{ND}}$ 0.50 mg/L 03/22/24 12:23 03/26/24 14:40

Lab Sample ID: LCS 885-2164/35-A **Client Sample ID: Lab Control Sample** 

**Matrix: Water** Prep Type: Total/NA **Analysis Batch: 2335** Prep Batch: 2164

LCS LCS Spike %Rec Added Result Qualifier Limits Unit %Rec Nitrogen, Total Kjeldahl 9 91 9 55 96 mg/L 90 - 110

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4/18/2024

# **QC Sample Results**

Client: EA Engineering Job ID: 885-1217-1

Project/Site: Mountain View Dairy

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

Lab Sample ID: LLCS 885-2164/34-A Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA

Matrix: Water Analysis Batch: 2335

ysis Batch: 2335

Spike LLCS LLCS %Rec

te Added Result Qualifier Unit D %Rec Limits

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# **QC Association Summary**

Client: EA Engineering

Project/Site: Mountain View Dairy

Job ID: 885-1217-1

## HPLC/IC

#### **Analysis Batch: 1745**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1217-2	LRG-00952 DAIRY PARLOR	Total/NA	Water	300.0	
MB 885-1745/23	Method Blank	Total/NA	Water	300.0	
LCS 885-1745/24	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1745/22	Lab Control Sample	Total/NA	Water	300.0	
885-1217-2 MS	LRG-00952 DAIRY PARLOR	Total/NA	Water	300.0	
885-1217-2 MSD	LRG-00952 DAIRY PARLOR	Total/NA	Water	300.0	

## **Analysis Batch: 1751**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1217-1	LRG-457-S (FLOOD)	Total/NA	Water	300.0	
885-1217-2	LRG-00952 DAIRY PARLOR	Total/NA	Water	300.0	
MB 885-1751/23	Method Blank	Total/NA	Water	300.0	
LCS 885-1751/24	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1751/22	Lab Control Sample	Total/NA	Water	300.0	
885-1217-2 MS	LRG-00952 DAIRY PARLOR	Total/NA	Water	300.0	
885-1217-2 MSD	LRG-00952 DAIRY PARLOR	Total/NA	Water	300.0	

## **General Chemistry**

#### **Analysis Batch: 1956**

Lab Sample ID 885-1217-2	Client Sample ID LRG-00952 DAIRY PARLOR	Prep Type Total/NA	Matrix Water	Method 2540C	Prep Batch
MB 885-1956/1	Method Blank	Total/NA	Water	2540C	
LCS 885-1956/2	Lab Control Sample	Total/NA	Water	2540C	
885-1217-2 DU	LRG-00952 DAIRY PARLOR	Total/NA	Water	2540C	

#### Prep Batch: 2164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1217-1	LRG-457-S (FLOOD)	Total/NA	Water	351.2	
885-1217-2	LRG-00952 DAIRY PARLOR	Total/NA	Water	351.2	
MB 885-2164/33-A	Method Blank	Total/NA	Water	351.2	
LCS 885-2164/35-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-2164/34-A	Lab Control Sample	Total/NA	Water	351.2	

#### **Analysis Batch: 2335**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1217-1	LRG-457-S (FLOOD)	Total/NA	Water	351.2	2164
885-1217-2	LRG-00952 DAIRY PARLOR	Total/NA	Water	351.2	2164
MB 885-2164/33-A	Method Blank	Total/NA	Water	351.2	2164
LCS 885-2164/35-A	Lab Control Sample	Total/NA	Water	351.2	2164
LLCS 885-2164/34-A	Lab Control Sample	Total/NA	Water	351.2	2164

4/18/2024

#### **Lab Chronicle**

Client: EA Engineering Job ID: 885-1217-1

Project/Site: Mountain View Dairy

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

Lab Sample ID: 885-1217-1 Date Collected: 03/13/24 11:05

**Matrix: Water** 

Date Received: 03/14/24 08:36

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1751	RC	EET ALB	03/14/24 17:45
Total/NA	Prep	351.2			2164	EH	EET ALB	03/22/24 12:23
Total/NA	Analysis	351.2		1	2335	EH	EET ALB	03/26/24 15:01

Client Sample ID: LRG-00952 DAIRY PARLOR

Lab Sample ID: 885-1217-2

**Matrix: Water** 

Date Collected: 03/13/24 11:55 Date Received: 03/14/24 08:36

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1751	RC	EET ALB	03/14/24 18:09
Total/NA	Analysis	300.0		100	1745	RC	EET ALB	03/14/24 18:47
Total/NA	Analysis	2540C		1	1956	JU	EET ALB	03/19/24 14:44
Total/NA	Prep	351.2			2164	EH	<b>EET ALB</b>	03/22/24 12:23
Total/NA	Analysis	351.2		1	2335	EH	EET ALB	03/26/24 15:06

**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: 885-1217-1

Project/Site: Mountain View Dairy

## **Laboratory: Eurofins Albuquerque**

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

Authority New Mexico		am	Identification Number	Expiration Date 02-26-25	
			NM9425, NM0901		
0 ,	s are included in this repo does not offer certification	,	not certified by the governing author	ity. This list may include analytes	
Analysis Method	Prep Method	Matrix	Analyte		
2540C	<del></del>	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	
0 ,	s are included in this repo does not offer certification	,	not certified by the governing author	ity. This list may include analytes	
Analysis Method	Prep Method	Matrix	Analyte		
351.2	351.2	Water	Nitrogen, Total Kjeldahl		

Eurofins Albuquerque

Client: EA Engineering Job Number: 885-1217-1

Login Number: 1217 List Source: Eurofins Albuquerque

List Number: 1

**Creator: Dominguez, Desiree** 

Creator. Dominguez, Desiree		
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.	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	Refer to Job Narrative for details.
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	

**Eurofins Albuquerque** 

## PREPARED FOR

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

**ANALYTICAL REPORT** 

Generated 4/12/2024 8:01:18 AM

## **JOB DESCRIPTION**

**Del Oro Dairy** 

## **JOB NUMBER**

885-1309-1

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 4/12/2024 8:01:18 AM

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

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Client: EA Engineering Project/Site: Del Oro Dairy Laboratory Job ID: 885-1309-1

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### **Definitions/Glossary**

Client: EA Engineering Job ID: 885-1309-1
Project/Site: Del Oro Dairy

Qualifiers

**HPLC/IC** 

Qualifier Qualifier Description

4 MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable.

**Glossary** 

Abbreviation These commonly used abbreviations may 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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**Eurofins Albuquerque** 

#### **Case Narrative**

Client: EA Engineering Project: Del Oro Dairy

Job ID: 885-1309-1 Eurofins Albuquerque

Job Narrative 885-1309-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/15/2024 8:50 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 2.9°C.

#### HPLC/IC

Method 300_OF_28D_NO3: The following sample was diluted due to the nature of the sample matrix: LRG-5820 (885-1309-1). 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: 885-1309-1

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Client: EA Engineering Job ID: 885-1309-1

Project/Site: Del Oro Dairy

Client Sample ID: LRG-5820 Lab Sample ID: 885-1309-1

Date Collected: 03/14/24 14:15

Matrix: Water

Date Received: 03/15/24 08:50

Nitrogen, Total Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anions, Ion	Chroma	tography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		50	mg/L			03/15/24 20:38	100
Nitrate Nitrite as N	ND		2.0	mg/L			03/15/24 20:01	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		100	mg/L			03/21/24 10:05	1

0.50

mg/L

ND

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03/25/24 12:20 03/27/24 16:03

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Job ID: 885-1309-1

Client: EA Engineering Project/Site: Del Oro Dairy

### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-2017/5 **Client Sample ID: Method Blank Matrix: Water Prep Type: Total/NA** 

**Analysis Batch: 2017** 

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/15/24 09:02	1

Lab Sample ID: LCS 885-2017/6 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2017** 

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 5.00	4.90		mg/L		98	90 - 110	· <del></del> -

Lab Sample ID: MRL 885-2017/4 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 2017** 

		Spike	MRL	MRL				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 	0.500	0.539		mg/L		108	50 - 150	

Lab Sample ID: 885-1309-1 MS Client Sample ID: LRG-5820 **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2017** 

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	470		50.0	512	4	ma/L		77	80 - 120	

Lab Sample ID: 885-1309-1 MSD Client Sample ID: LRG-5820 **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2017** 

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	360		50.0	513	4	ma/L		304	80 - 120	0	20	

Lab Sample ID: MB 885-2689/4 **Client Sample ID: Method Blank** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 2689** 

	MB MB						
Analyte	Result Qualifier	r RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND ND	0.20	mg/L	_		03/15/24 09:02	1

Lab Sample ID: LCS 885-2689/5 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 2689** 

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate Nitrite as N	3.50	3.61		mg/L		103	90.0 - 110.	
							^	

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4/12/2024

Client: EA Engineering Job ID: 885-1309-1

Project/Site: Del Oro Dairy

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-2689/3 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2689** 

Spike MRL MRL %Rec Added Result Qualifier Unit %Rec Limits Analyte D 0.200 50 - 150 Nitrate Nitrite as N 0.211 mg/L 106

Lab Sample ID: 885-1309-1 MS Client Sample ID: LRG-5820 **Prep Type: Total/NA** 

**Matrix: Water** 

**Analysis Batch: 2689** 

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Unit D %Rec Limits Analyte 35.0 80 - 120 Nitrate Nitrite as N NΠ 34.9 mg/L 100

Lab Sample ID: 885-1309-1 MSD Client Sample ID: LRG-5820

**Matrix: Water** 

**Analysis Batch: 2689** 

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Limits **RPD** Analyte Unit %Rec Limit Nitrate Nitrite as N ND 35.0 35.0 100 80 - 120 mg/L 20

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

Lab Sample ID: MB 885-2074/1 Client Sample ID: Method Blank Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 2074** 

MB MB

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total Dissolved Solids  $\overline{\mathsf{ND}}$ 50 mg/L 03/21/24 10:05

Lab Sample ID: LCS 885-2074/2 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 2074** 

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

Lab Sample ID: 885-1309-1 DU Client Sample ID: LRG-5820

**Matrix: Water** 

**Analysis Batch: 2074** 

DU DU RPD Sample Sample Result Qualifier RPD Analyte Result Qualifier Unit Limit Total Dissolved Solids 1300 1310 10 mg/L

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-2256/33-A Client Sample ID: Method Blank Prep Type: Total/NA

**Matrix: Water Analysis Batch: 2403** 

MB MB Unit Result Qualifier RL Prepared Analyzed Nitrogen, Total Kjeldahl ND 0.50 03/25/24 12:20 03/27/24 15:21 mg/L

Eurofins Albuquerque

4/12/2024

Prep Type: Total/NA

Prep Batch: 2256

**Prep Type: Total/NA** 

## **QC Sample Results**

Client: EA Engineering Job ID: 885-1309-1 Project/Site: Del Oro Dairy

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCS 885-2256/35-A				Clie	nt Saı	mple ID	: Lab Cor	ntrol Sample
Matrix: Water							Prep Ty	pe: Total/NA
Analysis Batch: 2403							Prep	Batch: 2256
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	9.91	10.5		mg/L		106	90 - 110	

Lab Sample ID: LLCS 885-2256/34-A Matrix: Water Analysis Batch: 2403	Spike	11.09	LLCS	Clie	nt Saı	mple ID	Prep Type	rol Sample e: Total/NA satch: 2256
Analyte	Added	_	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	0.496	ND	- Guainioi	mg/L		80	50 - 150	

4/12/2024

## **QC Association Summary**

Client: EA Engineering Job ID: 885-1309-1 Project/Site: Del Oro Dairy

HPLC/IC

**Analysis Batch: 2017** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1309-1	LRG-5820	Total/NA	Water	300.0	
MB 885-2017/5	Method Blank	Total/NA	Water	300.0	
LCS 885-2017/6	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-2017/4	Lab Control Sample	Total/NA	Water	300.0	
885-1309-1 MS	LRG-5820	Total/NA	Water	300.0	
885-1309-1 MSD	LRG-5820	Total/NA	Water	300.0	

**Analysis Batch: 2689** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1309-1	LRG-5820	Total/NA	Water	300.0	
MB 885-2689/4	Method Blank	Total/NA	Water	300.0	
LCS 885-2689/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-2689/3	Lab Control Sample	Total/NA	Water	300.0	
885-1309-1 MS	LRG-5820	Total/NA	Water	300.0	
885-1309-1 MSD	LRG-5820	Total/NA	Water	300.0	

**General Chemistry** 

**Analysis Batch: 2074** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1309-1	LRG-5820	Total/NA	Water	2540C	
MB 885-2074/1	Method Blank	Total/NA	Water	2540C	
LCS 885-2074/2	Lab Control Sample	Total/NA	Water	2540C	
885-1309-1 DU	LRG-5820	Total/NA	Water	2540C	

Prep Batch: 2256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1309-1	LRG-5820	Total/NA	Water	351.2	
MB 885-2256/33-A	Method Blank	Total/NA	Water	351.2	
LCS 885-2256/35-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-2256/34-A	Lab Control Sample	Total/NA	Water	351.2	

**Analysis Batch: 2403** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1309-1	LRG-5820	Total/NA	Water	351.2	2256
MB 885-2256/33-A	Method Blank	Total/NA	Water	351.2	2256
LCS 885-2256/35-A	Lab Control Sample	Total/NA	Water	351.2	2256
LLCS 885-2256/34-A	Lab Control Sample	Total/NA	Water	351.2	2256

Eurofins Albuquerque

4/12/2024

#### **Lab Chronicle**

Client: EA Engineering Job ID: 885-1309-1

Project/Site: Del Oro Dairy

Client Sample ID: LRG-5820 Lab Sample ID: 885-1309-1

Matrix: Water

Date Collected: 03/14/24 14:15 Date Received: 03/15/24 08:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	2689	RC	EET ALB	03/15/24 20:01
Total/NA	Analysis	300.0		100	2017	SS	EET ALB	03/15/24 20:38
Total/NA	Analysis	2540C		1	2074	JU	EET ALB	03/21/24 10:05
Total/NA	Prep	351.2			2256	EH	<b>EET ALB</b>	03/25/24 12:20
Total/NA	Analysis	351.2		1	2403	EH	EET ALB	03/27/24 16:03

#### **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: 885-1309-1 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
0,	s are included in this repo does not offer certification	•	not certified by the governing author	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 Nitrite as N	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oregon	NELA	P	NM100001	02-26-25
0 ,	s are included in this repo does not offer certification	,	not certified by the governing author	ity. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

Chain-of-Custody Record	Turn-Around	Time:									H			
Client.	☐ ☑ Standard	□ Rush				<b>= =</b>		֭֭֭֭֭֭֭֭֭֭֭֓֞֞֞֟֝֓֓֟֟֡֟֝֡֡֟֡֟֝	SH	ANALYSIS LABOR			; 7;	
EA Engineering, Science, and Technology	Project Name:	à		11.5		>	ww.ha	allenvi	ronm	www.hallenvironmental com			341 341	
	Del On	Dalm		46	9 H	awkın	4901 Hawkins NE	- Alb	adner	Albuquerque, NM 8710 885-1309 coc	10, 885	-1309 C	ö	
320 Gold Ave SW Suite	Project #:	)		Ĺ	əl. 50	5-345	Tel. 505-345-3975		Fax 5(	505-345-4107				
Phone #: 505-715-4279								Analy	sis R	Analysis Request				
email or Fax#. rmullen@eaest.com	Project Manager:	ger:		300										
QA/QC Package.	(00)			; poq;	၁				80			<del></del> -		
	$\top$			∍M	9)				) 10					
Accreditation: ☐ Az Compliance	Sampler On Ice	Angel N. Rive	ira FilNe	AGE	HON				9 A					
□ EDD (Type)	# of Coolers:		Mach	es [	009									
	Cooler Temp(Inauding CF); Z	89	262=1.64	intiN	3Þ N					njin	·····			
Date Time Matrix Sample Name	Container Type and #	Preservative Type	HEAL NO.	Nitrate∖	тки зі	Сһюпа	TDS SI Sulfate		Нрозр	S lstoT				
3-14 14:15 GW LRG-5820	8		j	×	`X	(X								
3 of														
14														
				'										
													7	
Date Time Relitquished by:  3-14 (6:50 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Received by	Via Feder	Date Time 3-15-24 9:56	Remarks	S			-						
Date Time Relinquished by:	Received by	Via	Date Time	:										
If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	be subcontracted to other a	ccredited laboratories T	rhis serves as notice of this	s possibility	Any su	b-contr	acted da	a will be	clearly	notated on the and	alytical r	eport.		

## **Login Sample Receipt Checklist**

Client: EA Engineering Job Number: 885-1309-1

Login Number: 1309
List Source: Eurofins Albuquerque
List Number: 1

Creator: Lowman, Nick

,		
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.	True	

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## 44

# PREPARED FOR

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

**ANALYTICAL REPORT** 

## **JOB DESCRIPTION**

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Buena Vista Dairy 2

## **JOB NUMBER**

885-1311-1

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 4/11/2024 12:04:56 PM

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

Page 2 of 14 4/11/2024

Client: EA Engineering Project/Site: Buena Vista Dairy 2 Laboratory Job ID: 885-1311-1

## **Table of Contents**

Cover Page	1
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### **Definitions/Glossary**

Client: EA Engineering Job ID: 885-1311-1

Project/Site: Buena Vista Dairy 2

#### **Qualifiers**

#### **HPLC/IC**

Qualifier Qualifier Description

MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable.

#### **Glossary**

Abbreviation These commonly used abbreviations may 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 Project: Buena Vista Dairy 2

Job ID: 885-1311-1 Eurofins Albuquerque

#### Job Narrative 885-1311-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/15/2024 8:50 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 2.9°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: 885-1311-1

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4/11/2024

Client: EA Engineering Job ID: 885-1311-1

Project/Site: Buena Vista Dairy 2

Client Sample ID: LRG-01876 Lab Sample ID: 885-1311-1

Date Collected: 03/14/24 09:25

Matrix: Water

mg/L

mg/L

Date Received: 03/15/24 08:50

Total Dissolved Solids (SM 2540C)

Nitrogen, Total Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anion	s, Ion Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360	50	mg/L			03/15/24 23:51	100
Nitrate Nitrite as N	3.6	2.0	mg/L			03/15/24 23:38	10
General Chemistry							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

100

0.50

1300

ND

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03/21/24 10:05

03/27/24 11:00 03/29/24 11:43

46

Client: EA Engineering

Project/Site: Buena Vista Dairy 2

Job ID: 885-1311-1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

**Prep Type: Total/NA** 

Client Sample ID: Method Blank

Client Sample ID: Method Blank

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample** 

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1818/4

**Matrix: Water** 

**Analysis Batch: 1818** 

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Analyte D Prepared Chloride 0.50 03/15/24 10:57 ND mg/L

Lab Sample ID: MB 885-1818/57

**Matrix: Water** 

**Analysis Batch: 1818** 

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride 0.50 03/15/24 23:13 ND mg/L

Lab Sample ID: LCS 885-1818/58

**Matrix: Water** 

**Analysis Batch: 1818** 

Spike LCS LCS %Rec Limits Added Result Qualifier Analyte Unit %Rec Chloride 5.00 4.85 97 90 - 110 mg/L

Lab Sample ID: MRL 885-1818/3

**Matrix: Water** 

**Analysis Batch: 1818** 

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 0.500 0.544 mg/L 109 50 - 150

Lab Sample ID: 885-1311-1 MS

**Matrix: Water** 

**Analysis Batch: 1818** 

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Limits Result Qualifier Unit %Rec Chloride 490 50.0 525 4 75 80 - 120 mg/L

Lab Sample ID: 885-1311-1 MSD

**Matrix: Water** 

**Analysis Batch: 1818** 

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Limits **RPD** Limit Analyte Unit D %Rec 50.0 Chloride 490 519 4 mg/L 62 80 - 120

Lab Sample ID: MB 885-1819/58

**Matrix: Water** 

**Analysis Batch: 1819** 

MB MB

Result Qualifier RL Unit Analyte Prepared Analyzed Dil Fac Nitrate Nitrite as N 0.20 ND mg/L 03/15/24 23:13

Lab Sample ID: LCS 885-1819/59

**Matrix: Water** 

Analysis Batch: 1819								
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate Nitrite as N	3.50	3.54		mg/L		101	90 - 110	

Eurofins Albuquerque

Page 7 of 14

Client Sample ID: LRG-01876

Prep Type: Total/NA

Client Sample ID: LRG-01876

Prep Type: Total/NA

Client Sample ID: Method Blank

**Prep Type: Total/NA** 

Prep Type: Total/NA

Job ID: 885-1311-1

Project/Site: Buena Vista Dairy 2

Client: EA Engineering

Lab Sample ID: MRL 885-1819/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1819** Spike MRL MRL %Rec Added Result Qualifier Unit %Rec Analyte

Limits 0.200 Nitrate Nitrite as N 0.208 mg/L 104 50 - 150

Lab Sample ID: 885-1311-1 MS Client Sample ID: LRG-01876

**Prep Type: Total/NA** 

**Matrix: Water** 

**Analysis Batch: 1819** 

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits 35.0 99 80 - 120 Nitrate Nitrite as N 3.6 38.2 mg/L

Lab Sample ID: 885-1311-1 MSD Client Sample ID: LRG-01876

**Matrix: Water** 

**Prep Type: Total/NA** 

**Analysis Batch: 1819** 

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Limits **RPD** Analyte Unit %Rec Limit Nitrate Nitrite as N 3.6 35.0 38.3 99 80 - 120 mg/L 20

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

Lab Sample ID: MB 885-2074/1 Client Sample ID: Method Blank Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 2074** 

MB MB

RLAnalyte Result Qualifier Unit D Prepared Analyzed Dil Fac Total Dissolved Solids  $\overline{\mathsf{ND}}$ 50 mg/L 03/21/24 10:05

Lab Sample ID: LCS 885-2074/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2074** 

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

#### Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-2381/33-A Client Sample ID: Method Blank **Matrix: Water Prep Type: Total/NA Analysis Batch: 2510** Prep Batch: 2381

MB MB

Result Qualifier RL Unit Analyzed Nitrogen, Total Kjeldahl  $\overline{\mathsf{ND}}$ 0.50 mg/L 03/27/24 11:00 03/29/24 11:26

Lab Sample ID: LCS 885-2381/35-A **Client Sample ID: Lab Control Sample Matrix: Water** 

Prep Type: Total/NA **Analysis Batch: 2510** Prep Batch: 2381

LCS LCS Spike %Rec Added Result Qualifier Limits Unit %Rec Nitrogen, Total Kjeldahl 9 91 10.2 103 mg/L 90 - 110

Eurofins Albuquerque

4/11/2024

## **QC Sample Results**

Client: EA Engineering Job ID: 885-1311-1

Project/Site: Buena Vista Dairy 2

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LLCS 885-2381/34-A **Client Sample ID: Lab Control Sample Prep Type: Total/NA** 

**Matrix: Water Analysis Batch: 2510** 

Prep Batch: 2381 Spike LLCS LLCS %Rec Result Qualifier Unit Added Limits Analyte D %Rec

Nitrogen, Total Kjeldahl 0.496 ND mg/L 98 50 - 150

## **QC Association Summary**

Client: EA Engineering

Project/Site: Buena Vista Dairy 2

### HPLC/IC

#### **Analysis Batch: 1818**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1311-1	LRG-01876	Total/NA	Water	300.0	
MB 885-1818/4	Method Blank	Total/NA	Water	300.0	
MB 885-1818/57	Method Blank	Total/NA	Water	300.0	
LCS 885-1818/58	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1818/3	Lab Control Sample	Total/NA	Water	300.0	
885-1311-1 MS	LRG-01876	Total/NA	Water	300.0	
885-1311-1 MSD	LRG-01876	Total/NA	Water	300.0	

#### **Analysis Batch: 1819**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1311-1	LRG-01876	Total/NA	Water	300.0	_
MB 885-1819/58	Method Blank	Total/NA	Water	300.0	
LCS 885-1819/59	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1819/3	Lab Control Sample	Total/NA	Water	300.0	
885-1311-1 MS	LRG-01876	Total/NA	Water	300.0	
885-1311-1 MSD	LRG-01876	Total/NA	Water	300.0	

### **General Chemistry**

#### **Analysis Batch: 2074**

Lab Sample ID 885-1311-1	Client Sample ID  LRG-01876	Prep Type Total/NA	Matrix Water	Method 2540C	Prep Batch
MB 885-2074/1	Method Blank	Total/NA	Water	2540C	
LCS 885-2074/2	Lab Control Sample	Total/NA	Water	2540C	

#### Prep Batch: 2381

<b>Lab Sample ID</b> 885-1311-1	Client Sample ID LRG-01876	Prep Type Total/NA	Matrix Water	Method 351.2	Prep Batch
MB 885-2381/33-A	Method Blank	Total/NA	Water	351.2	
LCS 885-2381/35-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-2381/34-A	Lab Control Sample	Total/NA	Water	351.2	

#### **Analysis Batch: 2510**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1311-1	LRG-01876	Total/NA	Water	351.2	2381
MB 885-2381/33-A	Method Blank	Total/NA	Water	351.2	2381
LCS 885-2381/35-A	Lab Control Sample	Total/NA	Water	351.2	2381
LLCS 885-2381/34-A	Lab Control Sample	Total/NA	Water	351.2	2381

Job ID: 885-1311-1

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4/11/2024

#### **Lab Chronicle**

Client: EA Engineering Job ID: 885-1311-1

Project/Site: Buena Vista Dairy 2

Client Sample ID: LRG-01876

Lab Sample ID: 885-1311-1 Date Collected: 03/14/24 09:25

**Matrix: Water** 

Date Received: 03/15/24 08:50

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1819	SS	EET ALB	03/15/24 23:38
Total/NA	Analysis	300.0		100	1818	SS	EET ALB	03/15/24 23:51
Total/NA	Analysis	2540C		1	2074	JU	EET ALB	03/21/24 10:05
Total/NA	Prep	351.2			2381	EH	<b>EET ALB</b>	03/27/24 11:00
Total/NA	Analysis	351.2		1	2510	EH	EET ALB	03/29/24 11:43

#### **Laboratory References:**

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

## **Accreditation/Certification Summary**

Client: EA Engineering Job ID: 885-1311-1

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
0 ,	s are included in this repo does not offer certification	•	not certified by the governing author	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 Nitrite as N	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oregon	NELA	Þ	NM100001	02-26-25
0 ,	s are included in this repo does not offer certification	•	not certified by the governing author	ity. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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<del>4/</del>11/2024

## **Login Sample Receipt Checklist**

Client: EA Engineering Job Number: 885-1311-1

Login Number: 1311 List Source: Eurofins Albuquerque List Number: 1

Creator: Lowman, Nick

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.	True	

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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**

885-839-1

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 John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

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Client: EA Engineering

Laboratory Job ID: 885-839-1

Project/Site: Dona Ana Dairies

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### **Definitions/Glossary**

Client: EA Engineering Job ID: 885-839-1

Project/Site: Dona Ana Dairies

#### **Qualifiers**

#### **HPLC/IC**

Qualifier **Qualifier Description** ^3+ Reporting Limit Check Standard is outside acceptance limits, high biased

Н Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.

#### **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** 

Detection Limit (DoD/DOE) DΙ

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 MLMinimum Level (Dioxin) Most Probable Number MPN 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** 

Relative Error Ratio (Radiochemistry) RER

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

Job ID: 885-839-1

Project: Dona Ana Dairies

Job ID: 885-839-1 Eurofins Albuquerque

#### Job Narrative 885-839-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/9/2024 11:15 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

Method 300_OF_28D_NO3: Reanalysis of the following samples were performed outside of the analytical holding time due to Backlog length: DAD-08 (885-839-2) and DAD-07 (885-839-4).

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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Client: EA Engineering Job ID: 885-839-1

Project/Site: Dona Ana Dairies

Lab Sample ID: 885-839-1 **Client Sample ID: DAD-18** 

Date Collected: 03/08/24 10:58 **Matrix: Water** Date Received: 03/09/24 11:15

itosuit	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
670		50	mg/L			03/11/24 12:49	100
9.8		1.0	mg/L			03/11/24 23:07	5
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
2400		250	mg/L			03/13/24 11:55	1
0.98		0.50	mg/L		03/14/24 13:13	03/16/24 14:19	1
	9.8  Result  2400	9.8  Result Qualifier	9.8 1.0    Result   Qualifier   RL	Pesult         Qualifier         RL         Unit           2400         250         mg/L	9.8         1.0         mg/L           Result 2400         Qualifier Q	Pesult 2400         Qualifier         RL 250         Unit mg/L         D mg/L         Prepared	9.8         1.0         mg/L         03/11/24 23:07           Result 2400         Qualifier RL 250         Unit mg/L         D Prepared O3/13/24 11:55

Client: EA Engineering Job ID: 885-839-1

Project/Site: Dona Ana Dairies

Lab Sample ID: 885-839-2 **Client Sample ID: DAD-08** Date Collected: 03/08/24 11:46

**Matrix: Water** 

Date Received: 03/09/24 11:15

Method: EPA 300.0 - Anion	s, Ion Chromat	tography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		50	mg/L			03/11/24 13:40	100
Nitrate Nitrite as N	46	Н	2.0	mg/L			04/06/24 01:33	10
General Chemistry	D 16	Qualifier	ΡI	Unit	_	Propared	Analyzed	Dil Fac

General Chemistry					_	_		
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4300		250	mg/L			03/13/24 11:55	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/14/24 13:13	03/16/24 14:20	1

4/10/2024

Client: EA Engineering Job ID: 885-839-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-25 Lab Sample ID: 885-839-3

Date Collected: 03/08/24 13:45

Matrix: Water

Date Received: 03/09/24 11:15

Method: EPA 300.0 - Anion	is, Ion Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	900	50	mg/L			03/11/24 14:06	100
Nitrate Nitrite as N	9.3	1.0	mg/L			03/12/24 00:11	5
General Chemistry	Descrite Overlisters	DI.	11-4	ь.	Duamanad	Amahamad	Dil Faa

General Chemistry	D It	0	D.	11-24	_	D	A I	D'' F
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2200		250	mg/L			03/13/24 11:55	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/14/24 13:13	03/16/24 14:22	1

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# **Client Sample Results**

Client: EA Engineering Job ID: 885-839-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-07 Lab Sample ID: 885-839-4

Date Collected: 03/08/24 15:26 Matrix: Water

Date Received: 03/09/24 11:15

Nitrogen, Total Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anions, Ior	<b>Chroma</b>	tography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	950		50	mg/L			03/11/24 14:32	100
Nitrate Nitrite as N	50	Н	2.0	mg/L			04/06/24 01:46	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3900		250	mg/L			03/13/24 11:55	1

0.50

mg/L

ND

5

6

03/14/24 13:13 03/16/24 14:40

10

RL

0.50

Spike

Added

5.00

Spike

Added

0.500

Spike

Added

3.50

Spike

Added

0.200

Spike

Added

5.00

RL

0.20

Unit

mg/L

D

Unit

mg/L

LCS LCS

MRL MRL

0.803 ^3+

LCS LCS

MRL MRL

LCS LCS

4.71

Result Qualifier

0.217

Result Qualifier

3.54

Result Qualifier

Result Qualifier

4.79

Result Qualifier

D

Prepared

Job ID: 885-839-1

Prep Type: Total/NA

Client Sample ID: Method Blank

Analyzed

Client: EA Engineering Project/Site: Dona Ana Dairies

ND

MB MB

MB MB

ND

Result Qualifier

ND

Dil Fac

03/11/24 11:19 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA %Rec D %Rec Limits 90 - 110 96 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA %Rec Limits %Rec 161 50 - 150 Client Sample ID: Method Blank **Prep Type: Total/NA** Prepared Analyzed Dil Fac 03/11/24 11:19 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA %Rec Limits %Rec 101 90 - 110 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA %Rec %Rec Limits 109 50 - 150 Client Sample ID: Method Blank Prep Type: Total/NA

Prepared

%Rec

94

03/25/24 13:23

**Client Sample ID: Lab Control Sample** 

Limits

90 - 110

Prep Type: Total/NA

Analyzed

%Rec

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## Method: 300.0 - Anions, Ion Chromatography Lab Sample ID: MB 885-1580/4

**Matrix: Water** 

**Analysis Batch: 1580** 

MB MB Result Qualifier Analyte

Chloride Lab Sample ID: LCS 885-1580/5

**Matrix: Water Analysis Batch: 1580** 

Analyte Chloride

Lab Sample ID: MRL 885-1580/3

**Matrix: Water Analysis Batch: 1580** 

Analyte

Chloride

Lab Sample ID: MB 885-1672/4 **Matrix: Water** 

**Analysis Batch: 1672** 

Analyte Result Qualifier Nitrate Nitrite as N

Lab Sample ID: LCS 885-1672/5

**Matrix: Water Analysis Batch: 1672** 

Analyte Nitrate Nitrite as N

Lab Sample ID: MRL 885-1672/3

**Matrix: Water Analysis Batch: 1672** 

Analyte Nitrate Nitrite as N

Chloride

Chloride

Lab Sample ID: MB 885-2278/4

**Matrix: Water Analysis Batch: 2278** 

Analyte

Lab Sample ID: LCS 885-2278/5 **Matrix: Water** 

**Analysis Batch: 2278** 

Analyte

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RL

0.50

4/10/2024

Dil Fac

Client: EA Engineering Project/Site: Dona Ana Dairies Job ID: 885-839-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-2279/4

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

**Analysis Batch: 2279** 

**Matrix: Water** 

MB MB Result Qualifier RL Unit Analyzed Dil Fac Analyte D Prepared Nitrate Nitrite as N 0.20 03/25/24 13:23 ND mg/L

Lab Sample ID: LCS 885-2279/5 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2279** 

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 3.50 90 - 110 Nitrate Nitrite as N 3.44 mg/L 98

Lab Sample ID: MB 885-2862/4 Client Sample ID: Method Blank **Prep Type: Total/NA** 

**Matrix: Water** 

**Analysis Batch: 2862** 

MB MB

Result Qualifier RL Unit Analyte Prepared Analyzed Dil Fac Nitrate Nitrite as N  $\overline{\mathsf{ND}}$ 0.20 mg/L 04/05/24 10:06

Lab Sample ID: MB 885-2862/61 Client Sample ID: Method Blank **Matrix: Water Prep Type: Total/NA** 

**Analysis Batch: 2862** 

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrate Nitrite as N  $\overline{\mathsf{ND}}$ 0.20 04/05/24 22:20 mg/L

Lab Sample ID: LCS 885-2862/5 **Matrix: Water** 

**Analysis Batch: 2862** 

LCS LCS Spike %Rec Analyte Added Limits Result Qualifier Unit %Rec Nitrate Nitrite as N 3.50 3.67 105 90.0 - 110. mg/L

Lab Sample ID: LCS 885-2862/62 **Client Sample ID: Lab Control Sample** 

**Matrix: Water** 

**Analysis Batch: 2862** 

Spike LCS LCS %Rec Added Result Qualifier Limits Analyte Unit D %Rec Nitrate Nitrite as N 3.50 3.71 mg/L 106 90.0 - 110. 0

Lab Sample ID: MRL 885-2862/3 **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 2862** 

Spike MRL MRL %Rec Analyte Added Result Qualifier Unit %Rec Limits Nitrate Nitrite as N 0.200 0.216 108 50 - 150 mg/L

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

0

Prep Type: Total/NA

RL

50

Spike

Added

1000

Unit

mg/L

Unit

mg/L

Unit

mg/L

LCS LCS

DU DU

2330

Result Qualifier

1010

Result Qualifier

D

Prepared

D %Rec

Prepared

Prepared

101

Job ID: 885-839-1

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Method Blank

**Client Sample ID: Lab Control Sample** 

%Rec

Limits

80 - 120

**Client Sample ID: Method Blank** 

Client Sample ID: Method Blank

03/14/24 13:13 03/16/24 14:23

Analyzed

Analyzed

**Client Sample ID: DAD-25** 

Prep Type: Total/NA

Prep Type: Total/NA

**Prep Type: Total/NA** 

Prep Type: Total/NA

Prep Batch: 1722

Prep Batch: 1722

Prep Batch: 1722

**RPD** 

Analyzed

03/13/24 11:55

Client: EA Engineering Project/Site: Dona Ana Dairies

MB MB

MB MB

 $\overline{\mathsf{ND}}$ 

ND

Result Qualifier

ND

Dil Fac

RPD

Limit

Dil Fac

Dil Fac

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

Lab Sample ID: MB 885-1644/1 **Matrix: Water** 

**Analysis Batch: 1644** 

Result Qualifier Analyte

Total Dissolved Solids Lab Sample ID: LCS 885-1644/2

**Matrix: Water Analysis Batch: 1644** 

Analyte

Lab Sample ID: 885-839-3 DU

**Total Dissolved Solids** 

**Matrix: Water Analysis Batch: 1644** 

Analyte Total Dissolved Solids

Sample Sample Result Qualifier 2200

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-1722/30-A

**Matrix: Water Analysis Batch: 1882** 

Analyte

Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-1722/3-A **Matrix: Water** 

**Analysis Batch: 1882** 

Analyte Nitrogen, Total Kjeldahl

**Matrix: Water Analysis Batch: 1882** 

Analyte Nitrogen, Total Kjeldahl

Lab Sample ID: LCS 885-1722/5-A **Matrix: Water Analysis Batch: 1882** 

Lab Sample ID: LCS 885-1722/32-A

Nitrogen, Total Kjeldahl

MB MB Result Qualifier

Spike

Added

9.91

Spike

Added

9.91

RL 0.50

RL

0.50

Unit

LCS LCS

LCS LCS

9.94

Result Qualifier

9.81

Result Qualifier

mg/L

Unit

mg/L

03/14/24 13:13 03/16/24 13:37 **Client Sample ID: Lab Control Sample** 

Unit

mg/L

Unit

mg/L

%Rec 99

%Rec

100

Limits 90 - 110

**Client Sample ID: Lab Control Sample Prep Type: Total/NA** Prep Batch: 1722

%Rec Limits 90 - 110

%Rec

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## **QC Sample Results**

Client: EA Engineering

Job ID: 885-839-1

Project/Site: Dona Ana Dairies

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LLCS 885-1722/31-A				Client Sample ID: Lab Control Sample					ntrol Sample
	Matrix: Water							Prep Ty	pe: Total/NA
	Analysis Batch: 1882							Prep	<b>Batch: 1722</b>
		Spike	LLCS	LLCS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Nitrogen, Total Kjeldahl	0.496	0.591		mg/L		119	50 - 150	

Lab Sample ID: LLCS 885-1722/4-A Matrix: Water				Clie	nt Saı	mple ID		rol Sample
Watrix. Water							Prep typ	e: Total/NA
Analysis Batch: 1882							Prep E	<b>Batch: 1722</b>
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	0.496	0.605		mg/L		122	50 - 150	

A

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## **QC Association Summary**

Client: EA Engineering

Job ID: 885-839-1

Project/Site: Dona Ana Dairies

HPLC/IC

**Analysis Batch: 1580** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-839-1	DAD-18	Total/NA	Water	300.0	
885-839-2	DAD-08	Total/NA	Water	300.0	
885-839-3	DAD-25	Total/NA	Water	300.0	
885-839-4	DAD-07	Total/NA	Water	300.0	
MB 885-1580/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1580/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1580/3	Lab Control Sample	Total/NA	Water	300.0	

**Analysis Batch: 1672** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-839-1	DAD-18	Total/NA	Water	300.0	
885-839-3	DAD-25	Total/NA	Water	300.0	
MB 885-1672/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1672/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1672/3	Lab Control Sample	Total/NA	Water	300.0	

**Analysis Batch: 2278** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-2278/4	Method Blank	Total/NA	Water	300.0	
LCS 885-2278/5	Lab Control Sample	Total/NA	Water	300.0	

**Analysis Batch: 2279** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-2279/4	Method Blank	Total/NA	Water	300.0	
LCS 885-2279/5	Lab Control Sample	Total/NA	Water	300.0	

**Analysis Batch: 2862** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-839-2	DAD-08	Total/NA	Water	300.0	
885-839-4	DAD-07	Total/NA	Water	300.0	
MB 885-2862/4	Method Blank	Total/NA	Water	300.0	
MB 885-2862/61	Method Blank	Total/NA	Water	300.0	
LCS 885-2862/5	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-2862/62	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-2862/3	Lab Control Sample	Total/NA	Water	300.0	

#### **General Chemistry**

**Analysis Batch: 1644** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-839-1	DAD-18	Total/NA	Water	2540C	<u> </u>
885-839-2	DAD-08	Total/NA	Water	2540C	
885-839-3	DAD-25	Total/NA	Water	2540C	
885-839-4	DAD-07	Total/NA	Water	2540C	
MB 885-1644/1	Method Blank	Total/NA	Water	2540C	
LCS 885-1644/2	Lab Control Sample	Total/NA	Water	2540C	
885-839-3 DU	DAD-25	Total/NA	Water	2540C	

Prep Batch: 1722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-839-1	DAD-18	Total/NA	Water	351.2	

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## **QC Association Summary**

Client: EA Engineering Job ID: 885-839-1

Project/Site: Dona Ana Dairies

#### **General Chemistry (Continued)**

#### **Prep Batch: 1722 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-839-2	DAD-08	Total/NA	Water	351.2	
885-839-3	DAD-25	Total/NA	Water	351.2	
885-839-4	DAD-07	Total/NA	Water	351.2	
MB 885-1722/30-A	Method Blank	Total/NA	Water	351.2	
MB 885-1722/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-1722/32-A	Lab Control Sample	Total/NA	Water	351.2	
LCS 885-1722/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-1722/31-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-1722/4-A	Lab Control Sample	Total/NA	Water	351.2	

#### **Analysis Batch: 1882**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-839-1	DAD-18	Total/NA	Water	351.2	1722
885-839-2	DAD-08	Total/NA	Water	351.2	1722
885-839-3	DAD-25	Total/NA	Water	351.2	1722
885-839-4	DAD-07	Total/NA	Water	351.2	1722
MB 885-1722/30-A	Method Blank	Total/NA	Water	351.2	1722
MB 885-1722/3-A	Method Blank	Total/NA	Water	351.2	1722
LCS 885-1722/32-A	Lab Control Sample	Total/NA	Water	351.2	1722
LCS 885-1722/5-A	Lab Control Sample	Total/NA	Water	351.2	1722
LLCS 885-1722/31-A	Lab Control Sample	Total/NA	Water	351.2	1722
LLCS 885-1722/4-A	Lab Control Sample	Total/NA	Water	351.2	1722

03-039-1

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Client: EA Engineering Project/Site: Dona Ana Dairies

Client Sample ID: DAD-18

Lab Sample ID: 885-839-1

**Matrix: Water** 

Date Collected: 03/08/24 10:58 Date Received: 03/09/24 11:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	1580	SS	EET ALB	03/11/24 12:49
Total/NA	Analysis	300.0		5	1672	SS	EET ALB	03/11/24 23:07
Total/NA	Analysis	2540C		1	1644	KB	EET ALB	03/13/24 11:55
Total/NA	Prep	351.2			1722	EH	<b>EET ALB</b>	03/14/24 13:13
Total/NA	Analysis	351.2		1	1882	EH	EET ALB	03/16/24 14:19

Lab Sample ID: 885-839-2

Matrix: Water

Client Sample ID: DAD-08 Date Collected: 03/08/24 11:46 Date Received: 03/09/24 11:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	1580	SS	EET ALB	03/11/24 13:40
Total/NA	Analysis	300.0		10	2862	SS	EET ALB	04/06/24 01:33
Total/NA	Analysis	2540C		1	1644	KB	EET ALB	03/13/24 11:55
Total/NA	Prep	351.2			1722	EH	EET ALB	03/14/24 13:13
Total/NA	Analysis	351.2		1	1882	EH	EET ALB	03/16/24 14:20

Client Sample ID: DAD-25 Lab Sample ID: 885-839-3

Matrix: Water

Date Collected: 03/08/24 13:45 Date Received: 03/09/24 11:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	1580	SS	EET ALB	03/11/24 14:06
Total/NA	Analysis	300.0		5	1672	SS	EET ALB	03/12/24 00:11
Total/NA	Analysis	2540C		1	1644	KB	EET ALB	03/13/24 11:55
Total/NA	Prep	351.2			1722	EH	EET ALB	03/14/24 13:13
Total/NA	Analysis	351.2		1	1882	EH	EET ALB	03/16/24 14:22

Client Sample ID: DAD-07 Lab Sample ID: 885-839-4

Date Collected: 03/08/24 15:26 Matrix: Water Date Received: 03/09/24 11:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	1580	SS	EET ALB	03/11/24 14:32
Total/NA	Analysis	300.0		10	2862	SS	EET ALB	04/06/24 01:46
Total/NA	Analysis	2540C		1	1644	KB	EET ALB	03/13/24 11:55
Total/NA	Prep	351.2			1722	EH	EET ALB	03/14/24 13:13
Total/NA	Analysis	351.2		1	1882	EH	EET ALB	03/16/24 14:40

#### Laboratory References:

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

## **Accreditation/Certification Summary**

Client: EA Engineering Job ID: 885-839-1

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 does not offer certification	•	not certified by the governing author	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 Nitrite as N	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Dregon	NELAF	•	NM100001	02-26-25
0,	are included in this report does not offer certification	•	not certified by the governing author	ity. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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 sary, 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.	
samples s	
If necessar	
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., .	-, -

Client: EA Engineering

Job Number: 885-839-1

Login Number: 839 List Source: Eurofins Albuquerque

List Number: 1

Creator: Lowman, Nick

oroator. Lowman, more		
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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# **ANALYTICAL REPORT**

## PREPARED FOR

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

Generated 3/28/2024 8:42:52 AM

# **JOB DESCRIPTION**

**Dona Ana Dairies** 

### **JOB NUMBER**

885-533-1

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 3/28/2024 8:42:52 AM

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

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Client: EA Engineering Project/Site: Dona Ana Dairies Laboratory Job ID: 885-533-1

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#### **Definitions/Glossary**

Client: EA Engineering Job ID: 885-533-1

Project/Site: Dona Ana Dairies

#### Glossarv

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

NC Not Calculated

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

Negative / Absent NEG POS Positive / Present

PQL **Practical Quantitation Limit** 

**PRES** Presumptive QC **Quality Control** 

Relative Error Ratio (Radiochemistry) RER

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

**TNTC** Too Numerous To Count

#### **Case Narrative**

Client: EA Engineering

Job ID: 885-533-1

Project: Dona Ana Dairies

Job ID: 885-533-1 Eurofins Albuquerque

# Job Narrative 885-533-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/6/2024 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 0.9°C.

#### HPLC/IC

Method 300_OF_28D_PREC: Due to the high concentration of Chloride, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 885-1462 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

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: 885-533-1

Client: EA Engineering
Project/Site: Dona Ana Dairies

Client Sample ID: DAD-04

Date Collected: 03/05/24 09:35

Lab Sample ID: 885-533-1

Matrix: Water

Date Collected: 03/05/24 09:35

Date Received: 03/06/24 08:40

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	410		50	mg/L			03/07/24 11:31	100
Nitrate Nitrite as N	ND		2.0	mg/L			03/07/24 10:54	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2200		100	mg/L			03/08/24 11:17	1
Nitrogen, Total Kjeldahl (EPA	0.74		0.50	mg/L		03/12/24 11:07	03/13/24 15:23	1

Client Sample ID: DAD-16

Date Collected: 03/05/24 11:00

Lab Sample ID: 885-533-2

Matrix: Water

Date Collected: 03/05/24 11:00
Date Received: 03/06/24 08:40

Method: EPA 300.0 - Anions, Ion Chromatography Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride 50 mg/L 03/07/24 11:56 100 270 Nitrate Nitrite as N ND 2.0 mg/L 03/07/24 11:43 10

General Chemistry							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1700	250	mg/L			03/08/24 11:17	1
Nitrogen, Total Kjeldahl (EPA	0.51	0.50	mg/L		03/12/24 11:07	03/13/24 15:25	1
351.2)			-				

Client Sample ID: DAD-06R

Date Collected: 03/05/24 12:50

Lab Sample ID: 885-533-3

Matrix: Water

Date Received: 03/06/24 08:40

Method: EPA 300.0 - Anions, Ion Chromatography								
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	100	5.0	mg/L			03/07/24 12:33	10	
Nitrate Nitrite as N	8.4	2.0	mg/L			03/07/24 12:33	10	
Gonoral Chomistry								

General Chemistry								
Analyte	Result (	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	690		100	mg/L			03/08/24 11:17	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/12/24 11:07	03/13/24 15:19	1

Client Sample ID: DAD-15

Date Collected: 03/05/24 15:10

Lab Sample ID: 885-533-4

Matrix: Water

Date Received: 03/06/24 08:40

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	720	50	mg/L			03/07/24 13:10	100
Nitrate Nitrite as N	21	2.0	mg/L			03/07/24 12:57	10

General Chemistry							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2700	250	mg/L			03/08/24 11:17	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND	0.50	mg/L	(	03/12/24 11:07	03/13/24 15:38	1

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Client: EA Engineering Job ID: 885-533-1

Project/Site: Dona Ana Dairies

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1462/4

**Matrix: Water** 

**Analysis Batch: 1462** 

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Analyte D Prepared 0.50 03/07/24 10:29 Chloride ND mg/L

Lab Sample ID: LCS 885-1462/5

**Matrix: Water** 

**Analysis Batch: 1462** 

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 885-1462/3

**Matrix: Water** 

**Analysis Batch: 1462** 

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit %Rec Chloride 0.500 0.533 107 50 - 150 mg/L

Lab Sample ID: MB 885-1463/16

**Matrix: Water** 

**Analysis Batch: 1463** 

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrate Nitrite as N 0.20 03/07/24 10:29 ND mg/L

Lab Sample ID: LCS 885-1463/17

**Matrix: Water** 

**Analysis Batch: 1463** 

LCS LCS Spike Analyte Added Limits Result Qualifier Unit %Rec Nitrate Nitrite as N 3.50 3.52 mg/L 100 90 - 110

Lab Sample ID: MRL 885-1463/15

**Matrix: Water** 

**Analysis Batch: 1463** 

Spike MRL MRL Added Result Qualifier Analyte Unit %Rec Limits D 0.200 0.206 Nitrate Nitrite as N mg/L 103 50 - 150

Lab Sample ID: 885-533-1 MS

**Matrix: Water** 

**Analysis Batch: 1463** 

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier D Limits Unit %Rec ND 35.0 Nitrate Nitrite as N 35.7 mg/L 98 80 - 120

Lab Sample ID: 885-533-1 MSD

**Matrix: Water** 

**Analysis Batch: 1463** 

Spike MSD MSD %Rec **RPD** Sample Sample Result Qualifier Added Limits Analyte Result Qualifier Unit %Rec RPD Limit Nitrate Nitrite as N 35.0 97 ND 35.3 mg/L 80 - 120

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**Client Sample ID: Lab Control Sample** 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

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

**Prep Type: Total/NA** 

%Rec

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

%Rec

Client Sample ID: DAD-04

Prep Type: Total/NA

**Client Sample ID: DAD-04** 

Prep Type: Total/NA

3/28/2024

Client: EA Engineering Job ID: 885-533-1

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

Lab Sample ID: MB 885-1614/1 Client Sample ID: Method Blank

**Matrix: Water** 

**Analysis Batch: 1614** 

Project/Site: Dona Ana Dairies

MB MB Result Qualifier RL Unit Analyzed Dil Fac Analyte D Prepared Total Dissolved Solids 50 03/08/24 11:17 ND mg/L

Lab Sample ID: LCS 885-1614/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 1614** 

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

Lab Sample ID: 885-533-1 DU Client Sample ID: DAD-04 Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1614** 

Sample Sample DU DU RPD Result Qualifier Result Qualifier RPD Analyte Unit Limit Total Dissolved Solids 2200 2220 mg/L 10

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-1577/3-A Client Sample ID: Method Blank **Matrix: Water Prep Type: Total/NA** 

**Analysis Batch: 1765** 

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrogen, Total Kjeldahl  $\overline{\mathsf{ND}}$ 0.50 mg/L 03/12/24 11:07 03/13/24 14:40

Lab Sample ID: MB 885-1577/3-A Client Sample ID: Method Blank **Matrix: Water Prep Type: Total/NA** 

**Analysis Batch: 1765** 

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrogen, Total Kjeldahl ND 0.50 mg/L 03/12/24 11:07 03/13/24 15:26

Lab Sample ID: LCS 885-1577/45-A **Client Sample ID: Lab Control Sample** 

**Matrix: Water** Prep Type: Total/NA **Analysis Batch: 1765** Prep Batch: 1577 LCS LCS Spike %Rec

Added Result Qualifier Analyte Unit %Rec Limits Nitrogen, Total Kjeldahl 9.91 9.77 99 90 - 110 mg/L

Lab Sample ID: LCS 885-1577/5-A **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA** 

**Analysis Batch: 1765** 

Prep Batch: 1577 LCS LCS Spike %Rec Added Result Qualifier Unit %Rec Limits

Nitrogen, Total Kjeldahl 9.91 9.99 mg/L 101 90 - 110

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3/28/2024

Prep Type: Total/NA

Prep Batch: 1577

Prep Batch: 1577

## **QC Sample Results**

Client: EA Engineering
Job ID: 885-533-1
Project/Site: Dona Ana Dairies

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LLCS 885-1577/44-A				Clie	nt Saı	mple ID	: Lab Co	ntrol Sample
Matrix: Water							Prep Ty	pe: Total/NA
Analysis Batch: 1765							Prep	<b>Batch: 1577</b>
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	0.496	ND		mg/L		93	50 - 150	

Lab Sample ID: LLCS 885-1577/4-A Matrix: Water Analysis Batch: 1765		Client Sample ID: Lab Control Sam Prep Type: Total/ Prep Batch: 15				pe: Total/NA		
	Spike	LLCS	LLCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrogen, Total Kjeldahl	0.496	ND		mg/L		91	50 - 150	

3/28/2024

## **QC Association Summary**

Client: EA Engineering

Job ID: 885-533-1

Project/Site: Dona Ana Dairies

HPLC/IC

**Analysis Batch: 1462** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-533-1	DAD-04	Total/NA	Water	300.0	
885-533-2	DAD-16	Total/NA	Water	300.0	
885-533-3	DAD-06R	Total/NA	Water	300.0	
885-533-4	DAD-15	Total/NA	Water	300.0	
MB 885-1462/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1462/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1462/3	Lab Control Sample	Total/NA	Water	300.0	

**Analysis Batch: 1463** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-533-1	DAD-04	Total/NA	Water	300.0	
885-533-2	DAD-16	Total/NA	Water	300.0	
885-533-3	DAD-06R	Total/NA	Water	300.0	
885-533-4	DAD-15	Total/NA	Water	300.0	
MB 885-1463/16	Method Blank	Total/NA	Water	300.0	
LCS 885-1463/17	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1463/15	Lab Control Sample	Total/NA	Water	300.0	
885-533-1 MS	DAD-04	Total/NA	Water	300.0	
885-533-1 MSD	DAD-04	Total/NA	Water	300.0	

**General Chemistry** 

Prep Batch: 1577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-533-1	DAD-04	Total/NA	Water	351.2	
885-533-2	DAD-16	Total/NA	Water	351.2	
885-533-3	DAD-06R	Total/NA	Water	351.2	
885-533-4	DAD-15	Total/NA	Water	351.2	
MB 885-1577/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-1577/45-A	Lab Control Sample	Total/NA	Water	351.2	
LCS 885-1577/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-1577/44-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-1577/4-A	Lab Control Sample	Total/NA	Water	351.2	

**Analysis Batch: 1614** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-533-1	DAD-04	Total/NA	Water	2540C	
885-533-2	DAD-16	Total/NA	Water	2540C	
885-533-3	DAD-06R	Total/NA	Water	2540C	
885-533-4	DAD-15	Total/NA	Water	2540C	
MB 885-1614/1	Method Blank	Total/NA	Water	2540C	
LCS 885-1614/2	Lab Control Sample	Total/NA	Water	2540C	
885-533-1 DU	DAD-04	Total/NA	Water	2540C	

**Analysis Batch: 1765** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-533-1	DAD-04	Total/NA	Water	351.2	1577
885-533-2	DAD-16	Total/NA	Water	351.2	1577
885-533-3	DAD-06R	Total/NA	Water	351.2	1577
885-533-4	DAD-15	Total/NA	Water	351.2	1577
MB 885-1577/3-A	Method Blank	Total/NA	Water	351.2	1577

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# **QC Association Summary**

Client: EA Engineering
Job ID: 885-533-1
Project/Site: Dona Ana Dairies

#### **General Chemistry (Continued)**

#### **Analysis Batch: 1765 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-1577/3-A	Method Blank	Total/NA	Water	351.2	1577
LCS 885-1577/45-A	Lab Control Sample	Total/NA	Water	351.2	1577
LCS 885-1577/5-A	Lab Control Sample	Total/NA	Water	351.2	1577
LLCS 885-1577/44-A	Lab Control Sample	Total/NA	Water	351.2	1577
LLCS 885-1577/4-A	Lab Control Sample	Total/NA	Water	351.2	1577

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#### **Lab Chronicle**

Client: EA Engineering Job ID: 885-533-1 Project/Site: Dona Ana Dairies

**Client Sample ID: DAD-04** 

Lab Sample ID: 885-533-1

**Matrix: Water** 

Date Collected: 03/05/24 09:35 Date Received: 03/06/24 08:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1463	RC	EET ALB	03/07/24 10:54
Total/NA	Analysis	300.0		100	1462	RC	EET ALB	03/07/24 11:31
Total/NA	Analysis	2540C		1	1614	JU	EET ALB	03/08/24 11:17
Total/NA	Prep	351.2			1577	EH	<b>EET ALB</b>	03/12/24 11:07
Total/NA	Analysis	351.2		1	1765	EH	EET ALB	03/13/24 15:23

Lab Sample ID: 885-533-2

**Matrix: Water** 

Date Collected: 03/05/24 11:00 Date Received: 03/06/24 08:40

**Client Sample ID: DAD-16** 

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1463	RC	EETALB	03/07/24 11:43
Total/NA	Analysis	300.0		100	1462	RC	EET ALB	03/07/24 11:56
Total/NA	Analysis	2540C		1	1614	JU	EET ALB	03/08/24 11:17
Total/NA	Prep	351.2			1577	EH	EET ALB	03/12/24 11:07
Total/NA	Analysis	351.2		1	1765	EH	EET ALB	03/13/24 15:25

Client Sample ID: DAD-06R Lab Sample ID: 885-533-3 Date Collected: 03/05/24 12:50

**Matrix: Water** 

Date Received: 03/06/24 08:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1462	RC	EETALB	03/07/24 12:33
Total/NA	Analysis	300.0		10	1463	RC	EET ALB	03/07/24 12:33
Total/NA	Analysis	2540C		1	1614	JU	EET ALB	03/08/24 11:17
Total/NA	Prep	351.2			1577	EH	EET ALB	03/12/24 11:07
Total/NA	Analysis	351.2		1	1765	EH	<b>EET ALB</b>	03/13/24 15:19

**Client Sample ID: DAD-15** Lab Sample ID: 885-533-4

Date Collected: 03/05/24 15:10 **Matrix: Water** 

Date Received: 03/06/24 08:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0			1463	RC	EET ALB	03/07/24 12:57
Total/NA	Analysis	300.0		100	1462	RC	EET ALB	03/07/24 13:10
Total/NA	Analysis	2540C		1	1614	JU	EET ALB	03/08/24 11:17
Total/NA	Prep	351.2			1577	EH	EET ALB	03/12/24 11:07
Total/NA	Analysis	351.2		1	1765	EH	EET ALB	03/13/24 15:38

**Laboratory References:** 

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

Eurofins Albuquerque

3/28/2024

## **Accreditation/Certification Summary**

Client: EA Engineering Job ID: 885-533-1

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			
lew Mexico	State		NM9425, NM0901	02-26-25			
9	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 Nitrite as N				
351.2	351.2	Water	Nitrogen, Total Kjeldahl				
regon	NELA	P	NM100001	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				
351.2	351.2	Water	Nitrogen, Total Kjeldahl				

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## **Method Summary**

Client: EA Engineering

Project/Site: Dona Ana Dairies

Job ID: 885-533-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET ALB
2540C	Solids, Total Dissolved (TDS)	SM	EET ALB
351.2	Nitrogen, Total Kjeldahl	EPA	EET ALB
351.2	Nitrogen, Total Kjeldahl	EPA	EET ALB

#### **Protocol References:**

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

#### **Laboratory References:**

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

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INTERNACTION INTERNACTION	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	1008		D 3 C	00 C WO 800	900 940 940	OLUS N 25 N 45	Intrate/N	5 1 1 1 1 1 1 1 1		メメメメ						Remarks:		
l urn-Around I ime	Ge Standard □ Rush	Project Name	Dona Ana Daıries (DAD'S)	Project #:		Project Manager:	Gina Mullen		Sampler: Angel N Rivera	olers: //		Container Preservative Type and # Type		2	7	2					Received by Via Date Time F	Received by Via Date Time	contracted to other accredited laboratories This serves as notice of this
Chain-of-Custody Record		ering, Science, and Technology		320 Gold Ave SW Suite	505-715-4279	1 1	kage:	rd	☐ Az Compliance ☐ Other	ype)		Time Matrix Sample Name	GW DAD-04	<del>                                     </del>	12:50 GW DAD-062	15:10 GW DAD-15					Time Relinquished by	Time. Relinquished by	cessarv. samoles submitted to Hall Environmental may be subc
S S	Client	EA Engineering,	Mailing Address:	320 Gold /	Phone #.	email or Fax#	QA/QC Package	☐ Standard	Accreditation.	□ EDD (Type)		Date	3-5	-	3-5	3-5					Date Tin	Date	3/28

Client: EA Engineering

Job Number: 885-533-1

Login Number: 533 List Source: Eurofins Albuquerque

List Number: 1

**Creator: Dominguez, Desiree** 

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.	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	

**Eurofins Albuquerque** 

# **ANALYTICAL REPORT**

## PREPARED FOR

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

Generated 3/28/2024 12:05:07 PM

# **JOB DESCRIPTION**

**Dona Ana Dairies** 

### **JOB NUMBER**

885-434-1

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 3/28/2024 12:05:07 PM

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

Page 2 of 14 3/28/2024

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Client: EA Engineering
Project/Site: Dona Ana Dairies

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## Laboratory Job ID: 885-434-1

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Receipt Checklists	14

#### **Definitions/Glossary**

Client: EA Engineering Job ID: 885-434-1

Project/Site: Dona Ana Dairies

#### Glossary

LOD

J. Coou.	
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)
	Estimated Detection Limit (Dioxin)

LOQ Limit of Quantitation (DoD/DOE) MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Limit of Detection (DoD/DOE)

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

NC Not Calculated

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

Negative / Absent NEG POS Positive / Present

PQL **Practical Quantitation Limit** 

**PRES** Presumptive QC **Quality Control** 

Relative Error Ratio (Radiochemistry) RER

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

**TNTC** Too Numerous To Count

#### **Case Narrative**

Client: EA Engineering

Job ID: 885-434-1

Project: Dona Ana Dairies

Job ID: 885-434-1 Eurofins Albuquerque

# Job Narrative 885-434-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/5/2024 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 1.7°C.

#### HPLC/IC

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

#### **General Chemistry**

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

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#### **Client Sample Results**

Client: EA Engineering Job ID: 885-434-1

Project/Site: Dona Ana Dairies

**Client Sample ID: DAD-23** Lab Sample ID: 885-434-1 Date Collected: 03/04/24 10:28 **Matrix: Water** 

Date Received: 03/05/24 08:40

Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	260		50	mg/L			03/05/24 13:09	100	
Nitrate Nitrite as N	15		2.0	mg/L			03/05/24 12:56	10	
General Chemistry									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total Dissolved Solids (SM 2540C)	1400		100	mg/L			03/07/24 12:14	1	

0.50 Lab Sample ID: 885-434-2 Client Sample ID: DAD-02

mg/L

ND

Date Collected: 03/04/24 11:45 Date Received: 03/05/24 08:40

Nitrogen, Total Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anions, Ion Chromatography Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride 700 50 03/05/24 14:00 mg/L 100 03/05/24 13:47 **Nitrate Nitrite as N** 2.0 mg/L 10 6.4

General Chemistry									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total Dissolved Solids (SM 2540C)	2200		250	mg/L			03/07/24 12:14	1
	Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/14/24 13:13	03/16/24 13:56	1

**Client Sample ID: DAD-03** Lab Sample ID: 885-434-3 **Matrix: Water** 

Date Collected: 03/04/24 13:55 Date Received: 03/05/24 08:40

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300	50	mg/L			03/05/24 14:26	100
Nitrate Nitrite as N	ND	2.0	mg/L			03/05/24 14:13	10

General Chemistry							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1800	250	mg/L			03/07/24 12:14	1
Nitrogen, Total Kjeldahl (EPA	0.74	0.50	mg/L		03/14/24 13:13	03/16/24 13:58	1
351.2)							

03/14/24 13:13 03/16/24 13:55

**Matrix: Water** 

Client: EA Engineering Job ID: 885-434-1

Project/Site: Dona Ana Dairies

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1361/4

**Matrix: Water** 

**Analysis Batch: 1361** 

MB MB

Analyte Result Qualifier RL Unit Analyzed Dil Fac D Prepared Chloride 0.50 03/05/24 11:39 ND mg/L

Lab Sample ID: LCS 885-1361/5

**Matrix: Water** 

**Analysis Batch: 1361** 

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

Lab Sample ID: MRL 885-1361/3

**Matrix: Water** 

**Analysis Batch: 1361** 

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

Lab Sample ID: MB 885-1362/4

**Matrix: Water** 

**Analysis Batch: 1362** 

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Nitrate Nitrite as N  $\overline{\mathsf{ND}}$ 0.20 03/05/24 11:39 mg/L

Lab Sample ID: LCS 885-1362/5

**Matrix: Water** 

**Analysis Batch: 1362** 

LCS LCS Spike %Rec Analyte Added Limits Result Qualifier Unit %Rec Nitrate Nitrite as N 3.50 3.47 mg/L 99 90 - 110

Lab Sample ID: MRL 885-1362/3

**Matrix: Water** 

**Analysis Batch: 1362** 

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit D %Rec 0.200 0.208 Nitrate Nitrite as N mg/L 104 50 - 150

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

Lab Sample ID: MB 885-1424/1

**Matrix: Water** 

**Analysis Batch: 1424** 

MR MR

Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total Dissolved Solids 50 03/07/24 12:14 ND mg/L

Eurofins Albuquerque

Client Sample ID: Method Blank

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample** 

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Dil Fac

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

#### **QC Sample Results**

Client: EA Engineering Job ID: 885-434-1

Project/Site: Dona Ana Dairies

**Matrix: Water** 

**Analysis Batch: 1424** 

Lab Sample ID: LCS 885-1424/2

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

 Analyte
 Added Total Dissolved Solids
 Result 1000
 Qualifier 1010
 Unit mg/L
 D 700
 %Rec MRec Mesult 1010

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-1722/3-A Client Sample ID: Method Blank

Matrix: Water
Analysis Batch: 1882
MB MB

Prep Type: Total/NA
Prep Batch: 1722

 Analyte
 Result Nitrogen, Total Kjeldahl
 Result ND
 Qualifier RL O.50
 Unit Mg/L
 D Mg/L
 Prepared O3/14/24 13:13
 Analyzed O3/16/24 13:37
 Dil Fac O3/16/24 13:37

Lab Sample ID: LCS 885-1722/5-A Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA

Analysis Batch: 1882 Prep Batch: 1722

Lab Sample ID: LLCS 885-1722/4-A Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA

Analysis Batch: 1882 Prep Batch: 1722
Spike LLCS LLCS %Rec

Analyte Added Result Qualifier Unit D %Rec Limits
Nitrogen, Total Kjeldahl 0.496 0.605 mg/L 122 50 - 150

3/28/2024

## **QC Association Summary**

Client: EA Engineering

Job ID: 885-434-1

Project/Site: Dona Ana Dairies

HPLC/IC

**Analysis Batch: 1361** 

<b>Lab Sample ID</b> 885-434-1	Client Sample ID  DAD-23	Prep Type Total/NA	Matrix Water	Method 300.0	Prep Batch
885-434-2	DAD-02	Total/NA	Water	300.0	
885-434-3	DAD-03	Total/NA	Water	300.0	
MB 885-1361/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1361/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1361/3	Lab Control Sample	Total/NA	Water	300.0	

**Analysis Batch: 1362** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-434-1	DAD-23	Total/NA	Water	300.0	
885-434-2	DAD-02	Total/NA	Water	300.0	
885-434-3	DAD-03	Total/NA	Water	300.0	
MB 885-1362/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1362/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1362/3	Lab Control Sample	Total/NA	Water	300.0	

**General Chemistry** 

**Analysis Batch: 1424** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-434-1	DAD-23	Total/NA	Water	2540C	_
885-434-2	DAD-02	Total/NA	Water	2540C	
885-434-3	DAD-03	Total/NA	Water	2540C	
MB 885-1424/1	Method Blank	Total/NA	Water	2540C	
LCS 885-1424/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 1722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-434-1	DAD-23	Total/NA	Water	351.2	
885-434-2	DAD-02	Total/NA	Water	351.2	
885-434-3	DAD-03	Total/NA	Water	351.2	
MB 885-1722/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-1722/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-1722/4-A	Lab Control Sample	Total/NA	Water	351.2	

**Analysis Batch: 1882** 

<b>Lab Sample ID</b> 885-434-1	Client Sample ID  DAD-23	Prep Type Total/NA	Matrix Water	Method 351.2	Prep Batch 1722
885-434-2	DAD-02	Total/NA	Water	351.2	1722
885-434-3	DAD-03	Total/NA	Water	351.2	1722
MB 885-1722/3-A	Method Blank	Total/NA	Water	351.2	1722
LCS 885-1722/5-A	Lab Control Sample	Total/NA	Water	351.2	1722
LLCS 885-1722/4-A	Lab Control Sample	Total/NA	Water	351.2	1722

Eurofins Albuquerque

3/28/2024

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#### **Lab Chronicle**

Client: EA Engineering Job ID: 885-434-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-23
Date Collected: 03/04/24 10:28

Date Received: 03/05/24 08:40

Lab Sample ID: 885-434-1

**Matrix: Water** 

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1362	SS	EET ALB	03/05/24 12:56
Total/NA	Analysis	300.0		100	1361	SS	EET ALB	03/05/24 13:09
Total/NA	Analysis	2540C		1	1424	KB	EET ALB	03/07/24 12:14
Total/NA	Prep	351.2			1722	EH	<b>EET ALB</b>	03/14/24 13:13
Total/NA	Analysis	351.2		1	1882	EH	EET ALB	03/16/24 13:55

Client Sample ID: DAD-02 Lab Sample ID: 885-434-2

Date Collected: 03/04/24 11:45 Matrix: Water

Date Received: 03/05/24 08:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1362	SS	EET ALB	03/05/24 13:47
Total/NA	Analysis	300.0		100	1361	SS	EET ALB	03/05/24 14:00
Total/NA	Analysis	2540C		1	1424	KB	EET ALB	03/07/24 12:14
Total/NA	Prep	351.2			1722	EH	EET ALB	03/14/24 13:13
Total/NA	Analysis	351.2		1	1882	EH	EET ALB	03/16/24 13:56

Client Sample ID: DAD-03 Lab Sample ID: 885-434-3

Date Collected: 03/04/24 13:55

Date Received: 03/05/24 08:40

Matrix: Water

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1362	SS	EETALB	03/05/24 14:13
Total/NA	Analysis	300.0		100	1361	SS	EET ALB	03/05/24 14:26
Total/NA	Analysis	2540C		1	1424	KB	EET ALB	03/07/24 12:14
Total/NA	Prep	351.2			1722	EH	<b>EET ALB</b>	03/14/24 13:13
Total/NA	Analysis	351.2		1	1882	EH	<b>EET ALB</b>	03/16/24 13:58

#### **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: 885-434-1

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
0 ,	s are included in this repo does not offer certification	•	not certified by the governing author	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 Nitrite as N	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oregon	NELAI	P	NM100001	02-26-25
• • •	s are included in this repo does not offer certification	•	not certified by the governing author	ity. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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## **Method Summary**

Client: EA Engineering

Project/Site: Dona Ana Dairies

Job ID: 885-434-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET ALB
2540C	Solids, Total Dissolved (TDS)	SM	EET ALB
351.2	Nitrogen, Total Kjeldahl	EPA	EET ALB
351.2	Nitrogen, Total Kjeldahl	EPA	EET ALB

#### **Protocol References:**

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

#### **Laboratory References:**

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

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885-434 COC	Received by: Via: Date Time	Date: Time: Relinquished by:
Remarks	Via: Date Time	Time: 15:30(
	>	
	\	
X X X X	2	3-4 13:55 Gw DAD-03
XXXX	2	
X X X X	N	82:01
TKN Chlc TDS Sulfa	Type and # Type HEAL No.	Date Time Matrix Sample Name
ate/Nit I SM pride I S SM : ate E	Drosen/stive	
4500 EPA 2540 PA 3	#of Coolers	☐ EDD (Type)
30 30 0 C	On ice:	
OR(	Sampler: Angel N. Rivera	Accreditation:   Az Compliance
G C		□ Standard □ Level 4 (Full Validation)
	Gina Mullen	QA/QC Package:
300	Project Manager:	email or Fax#: rmullen@eaest.com
Analysis Request		Phone #: 505-715-4279
Tel. 505-345-3975 Fax 505-345-4107	Project #:	320 Gold Ave SW Suite
4901 Hawkins NE - Albuquerque, NM 87109	Dona Ana Dairies (DAD'S)	Mailing Address:
www.hallenvironmental.com	Project Name:	EA Engineering, Science, and Technology
ANALYSIS LABORATOR	☑ Standard □ Rush	Client:
HALL ENVIRONMENTAL	Turn-Around Time:	Chain-of-Custody Record

Page 13 of 14

Job Number: 885-434-1

Client: EA Engineering

Login Number: 434 List Source: Eurofins Albuquerque List Number: 1

**Creator: Dominguez, Desiree** 

Groutor. Bominguoz, Booned		
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.	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	

## a a

**ANALYTICAL REPORT** 

## PREPARED FOR

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

Generated 4/10/2024 9:03:03 AM

## **JOB DESCRIPTION**

Mountain View Dairy

### **JOB NUMBER**

885-1083-1

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 John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

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Client: EA Engineering
Project/Site: Mountain View Dairy

Laboratory Job ID: 885-1083-1

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### **Definitions/Glossary**

Client: EA Engineering Job ID: 885-1083-1

Project/Site: Mountain View Dairy

**Glossary** 

AbbreviationThese commonly used abbreviations may or may not be present in this report.xListed under the "D" column to designate that the result is reported on a dry weight basis%RPercent RecoveryCFLContains Free LiquidCFUColony Forming UnitCNFContains No Free LiquidDERDuplicate Error Ratio (normalized absolute difference)Dil FacDilution 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
Project: Mountain View Dairy

Job ID: 885-1083-1 Eurofins Albuquerque

#### Job Narrative 885-1083-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/13/2024 8:40 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 0.9°C.

#### 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: 885-1083-1

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### **Client Sample Results**

Client: EA Engineering Job ID: 885-1083-1

Project/Site: Mountain View Dairy

Client Sample ID: 70-Lagoon Lab Sample ID: 885-1083-1

Date Collected: 03/12/24 10:25

Matrix: Water

Date Received: 03/13/24 08:40

Method: EPA 300.0 - Anions, Ion	Chromat	tography						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		50	mg/L			03/13/24 18:27	100
Nitrate Nitrite as N	3.5		2.0	mg/L			03/13/24 18:15	10
- Method: EPA 200.7 Rev 4.4 - Method	tals (ICP)	- Total Rec	overable					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfur	25		1.0	mg/L		03/15/24 12:01	03/22/24 14:25	1
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	11000		10000	mg/L			03/19/24 13:42	1
Nitrogen, Total Kjeldahl (EPA 351.2)	1900		63	mg/L		03/20/24 11:25	03/21/24 15:38	5
Total Phosphorus as P (EPA 365.1)	560		50	mg/L		03/20/24 15:37	03/21/24 12:02	20

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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 **Prep Type: Total Recoverable** 

Prep Type: Total/NA

Prep Batch: 1784

Client: EA Engineering

Job ID: 885-1083-1 Project/Site: Mountain View Dairy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1695/4

**Matrix: Water** 

**Analysis Batch: 1695** 

MB MB

Analyte Result Qualifier RL Unit Analyzed Dil Fac D Prepared Chloride 0.50 03/13/24 16:52 ND mg/L

Lab Sample ID: LCS 885-1695/5

**Matrix: Water** 

**Analysis Batch: 1695** 

Spike LCS LCS %Rec Analyte Added Result Qualifier D %Rec Limits Unit Chloride 5.00 90 - 110 4.84 mg/L 97

Lab Sample ID: MRL 885-1695/3

**Matrix: Water** 

**Analysis Batch: 1695** 

Spike MRL MRL %Rec Analyte Added Result Qualifier Limits Unit %Rec Chloride 0.500 0.536 107 50 - 150 mg/L

Lab Sample ID: MB 885-1696/4

**Matrix: Water** 

**Analysis Batch: 1696** 

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrate Nitrite as N  $\overline{\mathsf{ND}}$ 0.20 03/13/24 16:52 mg/L

Lab Sample ID: LCS 885-1696/5

**Matrix: Water** 

**Analysis Batch: 1696** 

LCS LCS Spike %Rec Analyte Added Result Qualifier Limits Unit %Rec Nitrate Nitrite as N 3.50 3.56 mg/L 102 90.0 - 110. 0

Lab Sample ID: MRL 885-1696/3

**Matrix: Water** 

**Analysis Batch: 1696** 

Spike MRL MRL %Rec Added Analyte Result Qualifier Unit D %Rec Limits 0.200 Nitrate Nitrite as N 0.204 mg/L 102 50 - 150

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 885-1784/1-A

**Matrix: Water** 

**Analysis Batch: 2244** 

MB MB

Analyte Result Qualifier RL Unit Analyzed Dil Fac Prepared Sulfur ND 1.0 mg/L 03/15/24 12:01 03/22/24 11:59

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Job ID: 885-1083-1

Client: EA Engineering Project/Site: Mountain View Dairy

Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 885-1784/3-A **Client Sample ID: Lab Control Sample** 

**Matrix: Water** 

**Analysis Batch: 2244** 

**Prep Type: Total Recoverable** Prep Batch: 1784

%Rec

Spike LCS LCS Result Qualifier Added %Rec Limits Analyte Unit Sulfur 50.0 46.3 mg/L 93 85 - 115

Lab Sample ID: LLCS 885-1784/2-A **Client Sample ID: Lab Control Sample** 

**Matrix: Water** 

**Analysis Batch: 2244** 

**Prep Type: Total Recoverable** Prep Batch: 1784

Spike LLCS LLCS %Rec Added Result Qualifier Unit D %Rec Limits Analyte 1.00 ND Sulfur mg/L 88 50 - 150

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

Lab Sample ID: MB 885-1945/1 Client Sample ID: Method Blank

**Matrix: Water** 

**Analysis Batch: 1945** 

Prep Type: Total/NA

MB MB

Result Qualifier RL Unit Dil Fac Analyte Prepared Analyzed **Total Dissolved Solids** ND 50 mg/L 03/19/24 13:42

Lab Sample ID: LCS 885-1945/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 1945** 

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits **Total Dissolved Solids** 1000 1030 mg/L 103 80 - 120

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-2004/33-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2121** 

Prep Batch: 2004 MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrogen, Total Kjeldahl ND 0.50 mg/L 03/20/24 11:25 03/21/24 15:18

Lab Sample ID: LCS 885-2004/35-A **Client Sample ID: Lab Control Sample** 

**Matrix: Water** Prep Type: Total/NA Prep Batch: 2004 **Analysis Batch: 2121** 

Spike LCS LCS %Rec Added Result Qualifier %Rec Limits Unit Nitrogen, Total Kjeldahl 9.91 10.1 mg/L 90 - 110

Lab Sample ID: LLCS 885-2004/34-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2121** 

Prep Batch: 2004 LLCS LLCS Spike %Rec

Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 0 496 ND mg/L 95 50 - 150

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### **QC Sample Results**

Client: EA Engineering Job ID: 885-1083-1

RL

0.050

Spike

Added

0.250

Project/Site: Mountain View Dairy

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 885-2035/3-A

**Matrix: Water Analysis Batch: 2097** 

MB MB Analyte Result Qualifier

ND

Total Phosphorus as P

Lab Sample ID: LCS 885-2035/4-A

**Analysis Batch: 2097** 

Total Phosphorus as P

**Matrix: Water** 

LCS LCS

0.247

Result Qualifier Unit

mg/L

Unit

mg/L

**Client Sample ID: Method Blank Prep Type: Total/NA** Prep Batch: 2035

Analyzed Dil Fac

03/20/24 15:37 03/21/24 10:44

**Client Sample ID: Lab Control Sample** 

Prepared

Prep Type: Total/NA Prep Batch: 2035

%Rec D %Rec Limits 99

90 - 110

## **QC Association Summary**

Client: EA Engineering

Project/Site: Mountain View Dairy

### HPLC/IC

#### **Analysis Batch: 1695**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1083-1	70-Lagoon	Total/NA	Water	300.0	
MB 885-1695/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1695/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1695/3	Lab Control Sample	Total/NA	Water	300.0	

#### **Analysis Batch: 1696**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1083-1	70-Lagoon	Total/NA	Water	300.0	
MB 885-1696/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1696/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1696/3	Lab Control Sample	Total/NA	Water	300.0	

#### Metals

#### Prep Batch: 1784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1083-1	70-Lagoon	Total Recoverable	Water	200.2	
MB 885-1784/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-1784/3-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-1784/2-A	Lab Control Sample	Total Recoverable	Water	200.2	

#### **Analysis Batch: 2244**

<b>Lab Sample ID</b> 885-1083-1	Client Sample ID 70-Lagoon	Prep Type  Total Recoverable	Matrix Water	Method 200.7 Rev 4.4	Prep Batch 1784
MB 885-1784/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	1784
LCS 885-1784/3-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	1784
LLCS 885-1784/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	1784

### **General Chemistry**

#### **Analysis Batch: 1945**

Lab Sample ID 885-1083-1	Client Sample ID 70-Lagoon	Prep Type Total/NA	Matrix Water	Method 2540C	Prep Batch
MB 885-1945/1	Method Blank	Total/NA	Water	2540C	
LCS 885-1945/2	Lab Control Sample	Total/NA	Water	2540C	

#### Prep Batch: 2004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1083-1	70-Lagoon	Total/NA	Water	351.2	
MB 885-2004/33-A	Method Blank	Total/NA	Water	351.2	
LCS 885-2004/35-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-2004/34-A	Lab Control Sample	Total/NA	Water	351.2	

#### Prep Batch: 2035

Lab Sample ID 885-1083-1	Client Sample ID 70-Lagoon	Prep Type Total/NA	Matrix Water	Method 365.2/365.3/365	Prep Batch
MB 885-2035/3-A	Method Blank	Total/NA	Water	365.2/365.3/365	
LCS 885-2035/4-A	Lab Control Sample	Total/NA	Water	365.2/365.3/365	

#### **Analysis Batch: 2097**

_					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1083-1	70-Lagoon	Total/NA	Water	365.1	2035

Eurofins Albuquerque

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Job ID: 885-1083-1

## **QC Association Summary**

Client: EA Engineering Job ID: 885-1083-1

Project/Site: Mountain View Dairy

### **General Chemistry (Continued)**

#### **Analysis Batch: 2097 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-2035/3-A	Method Blank	Total/NA	Water	365.1	2035
LCS 885-2035/4-A	Lab Control Sample	Total/NA	Water	365.1	2035

### **Analysis Batch: 2121**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1083-1	70-Lagoon	Total/NA	Water	351.2	2004
MB 885-2004/33-A	Method Blank	Total/NA	Water	351.2	2004
LCS 885-2004/35-A	Lab Control Sample	Total/NA	Water	351.2	2004
LLCS 885-2004/34-A	Lab Control Sample	Total/NA	Water	351.2	2004

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#### **Lab Chronicle**

Client: EA Engineering Job ID: 885-1083-1

Project/Site: Mountain View Dairy

Client Sample ID: 70-Lagoon

Lab Sample ID: 885-1083-1 Date Collected: 03/12/24 10:25

**Matrix: Water** 

Date Received: 03/13/24 08:40

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1696	RC	EET ALB	03/13/24 18:15
Total/NA	Analysis	300.0		100	1695	RC	EET ALB	03/13/24 18:27
Total Recoverable	Prep	200.2			1784	JN	<b>EET ALB</b>	03/15/24 12:01
Total Recoverable	Analysis	200.7 Rev 4.4		1	2244	JR	EET ALB	03/22/24 14:25
Total/NA	Analysis	2540C		1	1945	KB	EET ALB	03/19/24 13:42
Total/NA	Prep	351.2			2004	EH	<b>EET ALB</b>	03/20/24 11:25
Total/NA	Analysis	351.2		5	2121	EH	EET ALB	03/21/24 15:38
Total/NA	Prep	365.2/365.3/365			2035	SS	EET ALB	03/20/24 15:37
Total/NA	Analysis	365.1		20	2097	SS	EET ALB	03/21/24 12:02

#### Laboratory References:

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

### **Accreditation/Certification Summary**

Client: EA Engineering Job ID: 885-1083-1

Project/Site: Mountain View Dairy

#### **Laboratory: Eurofins Albuquerque**

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

Authority	Program	Identification Number	<b>Expiration Date</b>
New Mexico	State	NM9425, NM0901	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	
2540C		Water	Total Dissolved Solids	3
300.0		Water	Chloride	
300.0		Water	Nitrate Nitrite as N	
351.2	351.2	Water	Nitrogen, Total Kjelda	hl
365.1	365.2/365.3/365	Water	Total Phosphorus as I	P
gon	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

### **Login Sample Receipt Checklist**

Client: EA Engineering Job Number: 885-1083-1

Login Number: 1083 List Source: Eurofins Albuquerque

List Number: 1

**Creator: Casarrubias, Tracy** 

Creator. Casarrubias, macy		
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.	False	Refer to Job Narrative for details.
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.	False	Did not receive all required containers.
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.	False	Sample splitting required for metals analysis purposes.
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**

**Bright Star Dairy** 

### **JOB NUMBER**

885-1074-1

Eurofins Albuquerque 4901 Hawkins NE Albuquerque NM 87109



## **Eurofins Albuquerque**

### **Job Notes**

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### **Authorization**

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4/8/2024

Client: EA Engineering Project/Site: Bright Star Dairy Laboratory Job ID: 885-1074-1

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### **Definitions/Glossary**

Client: EA Engineering Job ID: 885-1074-1

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)							
	EDA							

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

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

NC Not Calculated

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

Negative / Absent NEG POS Positive / Present

PQL **Practical Quantitation Limit** 

**PRES** Presumptive QC **Quality Control** 

Relative Error Ratio (Radiochemistry) RER

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

4/8/2024

#### **Case Narrative**

Client: EA Engineering Job ID: 885-1074-1
Project: Bright Star Dairy

Job ID: 885-1074-1 Eurofins Albuquerque

## Job Narrative 885-1074-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/13/2024 8:40 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 0.9°C.

#### 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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## **Client Sample Results**

Client: EA Engineering Job ID: 885-1074-1

Project/Site: Bright Star Dairy

351.2)

Client Sample ID: 340 - Lagoon

Lab Sample ID: 885-1074-1 Date Collected: 03/12/24 11:45 **Matrix: Water** 

Date Received: 03/13/24 08:40

Method: EPA 300.0 - Anions, Ion Chromatography									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	5700		250	mg/L			03/20/24 10:34	500	
Nitrate Nitrite as N	5.4		2.0	mg/L			03/13/24 17:50	10	
Method: EPA 200.7 Rev 4.4 - Met	als (ICP)	- Total Reco	overable						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Sulfur	170		10	mg/L		03/15/24 13:28	03/22/24 14:50	1	
General Chemistry									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total Dissolved Solids (SM 2540C)	28000		10000	mg/L			03/18/24 10:10	1	
Nitrogen, Total Kjeldahl (EPA	1900		63	mg/L		03/20/24 11:25	03/21/24 15:17	5	



5-1074-1

Client: EA Engineering Project/Site: Bright Star Dairy Job ID: 885-1074-1

Prep Type: Total/NA

Prep Batch: 1794

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1696/4

**Matrix: Water** 

**Analysis Batch: 1696** 

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

MB MB

Lab Sample ID: LCS 885-1696/5

Matrix: Water

**Analysis Batch: 1696** 

Analysis Batch: 1696

 Analyte
 Added Nitrate Nitrite as N
 Spike Added Sesult Spike Added Result Qualifier Spike Spik

0

Client Sample ID: Method Blank

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample** 

Client Sample ID: Method Blank Prep Type: Total Recoverable

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample** 

Lab Sample ID: MRL 885-1696/3

**Matrix: Water** 

**Analysis Batch: 1696** 

 Analyte
 Added Nitrate Nitrite as N
 MRL MRL MRL MRL
 WRec
 %Rec

 2
 Added Nesult Nitrate Nitrite as N
 0.200
 0.204
 Unit MRL VIII
 D MRec VIII
 Limits MRL VIII

Lab Sample ID: MB 885-2064/5

**Matrix: Water** 

**Analysis Batch: 2064** 

MB MB

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 ND
 0.50
 mg/L
 03/20/24 09:57
 1

Lab Sample ID: LCS 885-2064/6

**Matrix: Water** 

**Analysis Batch: 2064** 

Spike LCS LCS %Rec Added Result Qualifier Analyte Unit D %Rec Limits Chloride 5.00 4.92 mg/L 98 90 - 110

Lab Sample ID: MRL 885-2064/4

**Matrix: Water** 

**Analysis Batch: 2064** 

 Spike
 MRL
 MRL
 %Rec

 Analyte
 Added
 Result
 Qualifier
 Unit
 D
 %Rec
 Limits

 Chloride
 0.500
 0.539
 mg/L
 108
 50 - 150

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 885-1794/1-A

**Matrix: Water** 

**Analysis Batch: 2244** 

MB MB

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Sulfur
 ND
 1.0
 mg/L
 03/15/24 13:28
 03/22/24 12:05
 1

Eurofins Albuquerque

4/8/2024

Client: EA Engineering Project/Site: Bright Star Dairy Job ID: 885-1074-1

### Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 885-1794/3-A **Client Sample ID: Lab Control Sample Prep Type: Total Recoverable Matrix: Water Analysis Batch: 2244** Prep Batch: 1794

Spike LCS LCS %Rec Result Qualifier Added %Rec Limits Analyte Unit Sulfur 50.0 46.3 mg/L 93 85 - 115

Lab Sample ID: LLCS 885-1794/2-A **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total Recoverable Analysis Batch: 2244** Prep Batch: 1794

Spike LLCS LLCS %Rec Added Result Qualifier Unit D %Rec Limits Analyte 1.00 Sulfur 1.08 mg/L 108 50 - 150

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

Lab Sample ID: MB 885-1840/1 Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 1840** 

MB MB Result Qualifier RL Unit Dil Fac Analyte Prepared Analyzed **Total Dissolved Solids** ND 50 mg/L 03/18/24 10:10

Lab Sample ID: LCS 885-1840/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 1840** 

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits **Total Dissolved Solids** 1000 1040 mg/L 104 80 - 120

#### Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-2004/6-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 2121** Prep Batch: 2004

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac ND 0.50 mg/L 03/20/24 11:25 03/21/24 14:32

Nitrogen, Total Kjeldahl Lab Sample ID: LCS 885-2004/8-A **Client Sample ID: Lab Control Sample** 

**Matrix: Water** Prep Type: Total/NA **Analysis Batch: 2121** 

Spike LCS LCS %Rec Added Result Qualifier %Rec Unit Nitrogen, Total Kjeldahl 9.91 9.78 mg/L 90 - 110

Lab Sample ID: LLCS 885-2004/7-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 2121** Prep Batch: 2004 LLCS LLCS Spike %Rec

Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 0 496 ND mg/L 89 50 - 150



Prep Batch: 2004

## **QC Association Summary**

Client: EA Engineering
Project/Site: Bright Star Dairy

HPLC/IC

**Analysis Batch: 1696** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
885-1074-1	340 - Lagoon	Total/NA	Water	300.0
MB 885-1696/4	Method Blank	Total/NA	Water	300.0
LCS 885-1696/5	Lab Control Sample	Total/NA	Water	300.0
MRL 885-1696/3	Lab Control Sample	Total/NA	Water	300.0

**Analysis Batch: 2064** 

Lab Sample ID 885-1074-1	Client Sample ID 340 - Lagoon	Prep Type Total/NA	Matrix Water	Method 300.0	Prep Batch
MB 885-2064/5	Method Blank	Total/NA	Water	300.0	
LCS 885-2064/6	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-2064/4	Lab Control Sample	Total/NA	Water	300.0	

Metals

Prep Batch: 1794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1074-1	340 - Lagoon	Total Recoverable	Water	200.2	
MB 885-1794/1-A	Method Blank	Total Recoverable	Water	200.2	
LCS 885-1794/3-A	Lab Control Sample	Total Recoverable	Water	200.2	
LLCS 885-1794/2-A	Lab Control Sample	Total Recoverable	Water	200.2	

**Analysis Batch: 2244** 

<b>Lab Sample ID</b> 885-1074-1	Client Sample ID  340 - Lagoon	Prep Type Total Recoverable	Matrix Water	Method 200.7 Rev 4.4	Prep Batch 1794
MB 885-1794/1	-A Method Blank	Total Recoverable	Water	200.7 Rev 4.4	1794
LCS 885-1794/	3-A Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	1794
LLCS 885-1794	/2-A Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	1794

**General Chemistry** 

**Analysis Batch: 1840** 

	ab Sample ID 885-1074-1	Client Sample ID 340 - Lagoon	Prep Type Total/NA	Matrix Water	Method 2540C	Prep Batch
N	MB 885-1840/1	Method Blank	Total/NA	Water	2540C	
L	.CS 885-1840/2	Lab Control Sample	Total/NA	Water	2540C	

Prep Batch: 2004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1074-1	340 - Lagoon	Total/NA	Water	351.2	
MB 885-2004/6-A	Method Blank	Total/NA	Water	351.2	
LCS 885-2004/8-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-2004/7-A	Lab Control Sample	Total/NA	Water	351.2	

**Analysis Batch: 2121** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1074-1	340 - Lagoon	Total/NA	Water	351.2	2004
MB 885-2004/6-A	Method Blank	Total/NA	Water	351.2	2004
LCS 885-2004/8-A	Lab Control Sample	Total/NA	Water	351.2	2004
LLCS 885-2004/7-A	Lab Control Sample	Total/NA	Water	351.2	2004

Eurofins Albuquerque

Job ID: 885-1074-1

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#### **Lab Chronicle**

Client: EA Engineering Job ID: 885-1074-1

Project/Site: Bright Star Dairy

Client Sample ID: 340 - Lagoon Lab Sample ID: 885-1074-1

Date Collected: 03/12/24 11:45

Date Received: 03/13/24 08:40

Matrix: Water

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1696	RC	EET ALB	03/13/24 17:50
Total/NA	Analysis	300.0		500	2064	RC	EET ALB	03/20/24 10:34
Total Recoverable	Prep	200.2			1794	JN	<b>EET ALB</b>	03/15/24 13:28
Total Recoverable	Analysis	200.7 Rev 4.4		1	2244	JR	EET ALB	03/22/24 14:50
Total/NA	Analysis	2540C		1	1840	KB	EET ALB	03/18/24 10:10
Total/NA	Prep	351.2			2004	EH	<b>EET ALB</b>	03/20/24 11:25
Total/NA	Analysis	351.2		5	2121	EH	EET ALB	03/21/24 15:17

#### **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: 885-1074-1

Project/Site: Bright Star Dairy

### **Laboratory: Eurofins Albuquerque**

351.2

351.2

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

Authority	Progr	am	Identification Number	Expiration Date		
New Mexico			NM9425, NM0901	02-26-25		
,	s are included in this repo does not offer certification	•	not certified by the governing authori	ty. 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			
Oregon	NELA	Þ	NM100001	02-26-25		
0 ,	s are included in this repo does not offer certification	•	not certified by the governing authori	ty. This list may include analytes		
Analysis Method	Prep Method	Matrix	Analyte			
200.7 Rev 4.4	200.2	Water	Sulfur			

Nitrogen, Total Kjeldahl

Water

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LATING CONVENTAL	ANALYSIS LABORATOR	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	-3975 Fax 505-345-4107	Analysis Request			_	y 30	pouns	Sulfate	×										If necessary samples submitted to Hall Environmental may be subcontracted to other accordited laboratories. This canae as notice of this necessary samples submontracted data will be clearly notated on the analytical report
		<b>M</b>	4901 Hawkin	Tel. 505-345-3975		008		300 NOKC	009 V	19 eE	ТКИ Е	×							Remarks:			
le:	□ Rush						Gina Mullen	Angel N. Rivera II No かぬみ		ding OF); O., S. 4. O. ( = 0.9	Preservative Type		885-1074 COC						Via Date Time F	ley Sli3/24 0840	far Date Time	
Turn-Around Time:	Standard	Project Name:	Bright Star Dairy	Project #:		Project Manager	J.E	Sampler: An	9.0	Cooler Temp(inclu	Container Prese Type and #	7							Received by	Com Sei	Received by V	
Chain-of-Custody Record		Science, and Technology			505-715-4279	rmullen@eaest com	□ Level 4 (Full Validation)	☐ Az Compliance ☐ Other			Matrix Sample Name	abou 340-Lancon							Relinquished by	$\kappa$	Relinquished by	
chain-of				320 Gold Ave SW Suite		email or Fax#:	QA/QC Package [.]	Ì	☐ EDD (Type)		Time Ma	11:45 lagged								7	Time	
J	Client:	EA En	Mailing	320 G	Phone #.	email	QA/QC Packa	Accreditation:			Date	3-17							Date	3-12	Date	

### **Login Sample Receipt Checklist**

Client: EA Engineering Job Number: 885-1074-1

Login Number: 1074 List Source: Eurofins Albuquerque

List Number: 1 Creator: Lowman, Nick

Creator: Lowman, Nick		
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 4/3/2024 11:41:05 AM

## **JOB DESCRIPTION**

**Dona Ana Dairies** 

### **JOB NUMBER**

885-976-1

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 4/3/2024 11:41:05 AM

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

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Client: EA Engineering

Laboratory Job ID: 885-976-1

Project/Site: Dona Ana Dairies

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## **Definitions/Glossary**

Client: EA Engineering Job ID: 885-976-1

Project/Site: Dona Ana Dairies

### **Qualifiers**

### **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
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: 885-976-1

Project: Dona Ana Dairies

Job ID: 885-976-1 Eurofins Albuquerque

### Job Narrative 885-976-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/12/2024 8:59 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 -2.3°C. Samples were not frozen.

#### 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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Client: EA Engineering Job ID: 885-976-1

Project/Site: Dona Ana Dairies

Lab Sample ID: 885-976-1 **Client Sample ID: DAD-10** 

Date Collected: 03/11/24 10:00 **Matrix: Water** 

Date Received: 03/12/24 08:59

s, Ion Chromatography						
Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
400	50	mg/L			03/12/24 18:17	100
ND	2.0	mg/L			03/12/24 18:04	10
<b>5</b>			_			Dil Eac
	Result Qualifier 400	Result   Qualifier   RL	Result 400         Qualifier         RL 50         Unit mg/L mg/L mg/L           ND         2.0         mg/L	Result   Qualifier   RL   Unit   D	Result 400         Qualifier         RL mg/L mg/L         Unit mg/L mg/L         D mg/L           ND         2.0         mg/L	Result 400         Qualifier         RL 50         Unit mg/L mg/L mg/L         D mg/L 03/12/24 18:17           ND         2.0         mg/L 03/12/24 18:04

ſ	General Chemistry								
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total Dissolved Solids (SM 2540C)	1400		100	mg/L			03/14/24 12:58	1
	Nitrogen, Total Kjeldahl (EPA 351.2)	0.51		0.50	mg/L		03/19/24 10:37	03/20/24 15:05	1

4/3/2024

Client: EA Engineering Job ID: 885-976-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-21 Lab Sample ID: 885-976-2

Date Collected: 03/11/24 11:50

Date Received: 03/12/24 08:59

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	650		50	mg/L			03/12/24 18:43	100
Nitrate Nitrite as N	16		2.0	mg/L			03/12/24 18:30	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2300		250	mg/L			03/14/24 12:58	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/19/24 10:37	03/20/24 15:06	1

Eurofins Albuquerque

Client: EA Engineering Job ID: 885-976-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-09 Lab Sample ID: 885-976-3

Matrix Water

Date Collected: 03/11/24 13:05

Date Received: 03/12/24 08:59

Matrix: Water

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	430		50	mg/L			03/12/24 19:34	100
Nitrate Nitrite as N	49		2.0	mg/L			03/12/24 19:21	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1800		250	mg/L			03/14/24 12:58	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/19/24 10:37	03/20/24 15:08	1

Client: EA Engineering Job ID: 885-976-1

Project/Site: Dona Ana Dairies

**Client Sample ID: DAD-22** Lab Sample ID: 885-976-4

Date Collected: 03/11/24 14:06 **Matrix: Water** 

Date Received: 03/12/24 08:59

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	810		50	mg/L			03/12/24 20:00	100
Nitrate Nitrite as N	16		2.0	mg/L			03/12/24 19:47	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2300		250	mg/L			03/14/24 12:58	1

Client: EA Engineering Job ID: 885-976-1

Project/Site: Dona Ana Dairies

**Client Sample ID: DAD-27** Lab Sample ID: 885-976-5

Date Collected: 03/11/24 15:30 **Matrix: Water** 

Date Received: 03/12/24 08:59

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		50	mg/L			03/12/24 20:25	100
Nitrate Nitrite as N	7.0		2.0	mg/L			03/12/24 20:13	10
General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2000		250	mg/L			03/14/24 12:58	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/19/24 10:37	03/20/24 15:09	

Client: EA Engineering Job ID: 885-976-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-26 Lab Sample ID: 885-976-6

Date Collected: 03/11/24 16:52

Date Received: 03/12/24 08:59

Matrix: Water

Method: EPA 300.0 - Anions	, Ion Chromatograp	ohy					
Analyte	Result Qualifi	ier RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	970	50	mg/L			03/12/24 20:51	100
Nitrate Nitrite as N	24	2.0	mg/L			03/12/24 20:38	10

General Chemistry  Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2700		250	mg/L			03/13/24 13:01	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/19/24 10:37	03/20/24 15:14	1

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Client: EA Engineering

Job ID: 885-976-1 Project/Site: Dona Ana Dairies

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1640/4

**Matrix: Water** 

**Analysis Batch: 1640** 

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

**Client Sample ID: Lab Control Sample** 

**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

MB MB

Analyte Result Qualifier RL Unit Analyzed Dil Fac D Prepared Chloride 0.50 03/12/24 09:24 ND mg/L

Lab Sample ID: LCS 885-1640/5

**Matrix: Water** 

**Analysis Batch: 1640** 

Spike LCS LCS %Rec Analyte Added Result Qualifier D %Rec Limits Unit Chloride 5.00 90 - 110 4.77 mg/L 95

Lab Sample ID: MRL 885-1640/3

**Matrix: Water** 

**Analysis Batch: 1640** 

Spike MRL MRL %Rec Analyte Added Result Qualifier Limits Unit %Rec Chloride 0.500 0.548 50 - 150 mg/L

Lab Sample ID: MB 885-1643/4

**Matrix: Water** 

**Analysis Batch: 1643** 

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrate Nitrite as N  $\overline{\mathsf{ND}}$ 0.20 03/12/24 09:24 mg/L

Lab Sample ID: LCS 885-1643/5

**Matrix: Water** 

**Analysis Batch: 1643** 

LCS LCS Spike %Rec Analyte Added Limits Result Qualifier Unit %Rec Nitrate Nitrite as N 3.50 3.49 100 90 - 110 mg/L

Lab Sample ID: MRL 885-1643/3

**Matrix: Water** 

**Analysis Batch: 1643** 

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit D %Rec 0.200 0.207 Nitrate Nitrite as N mg/L 104 50 - 150

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

Lab Sample ID: MB 885-1711/1

**Matrix: Water** 

**Analysis Batch: 1711** 

MR MR

Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total Dissolved Solids 50 03/14/24 12:58 ND mg/L

Eurofins Albuquerque

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

Job ID: 885-976-1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 1933

Client Sample ID: Method Blank

**Client Sample ID: Lab Control Sample** 

Client Sample ID: Method Blank

Client: EA Engineering Project/Site: Dona Ana Dairies

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

Lab Sample ID: MB 885-1716/1

**Matrix: Water** 

**Analysis Batch: 1716** 

MB MB Result Qualifier RL Unit Analyzed Dil Fac Analyte D Prepared 50 03/13/24 13:01 **Total Dissolved Solids** ND mg/L

Lab Sample ID: LCS 885-1716/2

**Matrix: Water** 

**Analysis Batch: 1716** 

Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits Analyte Total Dissolved Solids 1000 998 mg/L 100 80 - 120

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-1933/6-A

**Matrix: Water** 

**Analysis Batch: 2459** 

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Analyte Prepared 0.50 03/19/24 10:37 03/20/24 14:56 Nitrogen, Total Kjeldahl ND mg/L

Lab Sample ID: LCS 885-1933/8-A

**Matrix: Water** 

**Analysis Batch: 2459** 

LCS LCS Spike Added Analyte Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 9.91 9.76 mg/L 98 90 - 110

Lab Sample ID: LLCS 885-1933/7-A

**Matrix: Water** 

**Analysis Batch: 2459** 

LLCS LLCS Spike Analyte Added Result Qualifier Unit %Rec Limits Nitrogen, Total Kjeldahl 0.496 ND mg/L 50 - 150

Lab Sample ID: 885-976-4 MS

**Matrix: Water** 

**Analysis Batch: 2459** 

Spike MS MS %Rec Sample Sample Result Qualifier Added Result Qualifier Analyte Unit D %Rec Limits Nitrogen, Total Kjeldahl ND F1 9.91 4.43 F1 90 - 110 mg/L

Lab Sample ID: 885-976-4 MSD

**Matrix: Water** 

Prep Type: Total/NA **Analysis Batch: 2459** Prep Batch: 1933 **RPD** Sample Sample Spike MSD MSD %Rec Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Nitrogen, Total Kjeldahl ND F1 9.91 4.97 F1 50 mg/L 90 - 110 12

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

Prep Batch: 1933 %Rec

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

Prep Batch: 1933 %Rec

**Client Sample ID: DAD-22** Prep Type: Total/NA

Prep Batch: 1933

# **QC Association Summary**

Client: EA Engineering Job ID: 885-976-1 Project/Site: Dona Ana Dairies

HPLC/IC

**Analysis Batch: 1640** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-976-1	DAD-10	Total/NA	Water	300.0	
885-976-2	DAD-21	Total/NA	Water	300.0	
885-976-3	DAD-09	Total/NA	Water	300.0	
885-976-4	DAD-22	Total/NA	Water	300.0	
885-976-5	DAD-27	Total/NA	Water	300.0	
885-976-6	DAD-26	Total/NA	Water	300.0	
MB 885-1640/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1640/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1640/3	Lab Control Sample	Total/NA	Water	300.0	

**Analysis Batch: 1643** 

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-976-1	DAD-10	Total/NA	Water	300.0	
885-976-2	DAD-21	Total/NA	Water	300.0	
885-976-3	DAD-09	Total/NA	Water	300.0	
885-976-4	DAD-22	Total/NA	Water	300.0	
885-976-5	DAD-27	Total/NA	Water	300.0	
885-976-6	DAD-26	Total/NA	Water	300.0	
MB 885-1643/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1643/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1643/3	Lab Control Sample	Total/NA	Water	300.0	

# **General Chemistry**

### **Analysis Batch: 1711**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-976-1	DAD-10	Total/NA	Water	2540C	<u> </u>
885-976-2	DAD-21	Total/NA	Water	2540C	
885-976-3	DAD-09	Total/NA	Water	2540C	
885-976-4	DAD-22	Total/NA	Water	2540C	
885-976-5	DAD-27	Total/NA	Water	2540C	
MB 885-1711/1	Method Blank	Total/NA	Water	2540C	
LCS 885-1711/2	Lab Control Sample	Total/NA	Water	2540C	

### **Analysis Batch: 1716**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-976-6	DAD-26	Total/NA	Water	2540C	
MB 885-1716/1	Method Blank	Total/NA	Water	2540C	
LCS 885-1716/2	Lab Control Sample	Total/NA	Water	2540C	

## Prep Batch: 1933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-976-1	DAD-10	Total/NA	Water	351.2	_
885-976-2	DAD-21	Total/NA	Water	351.2	
885-976-3	DAD-09	Total/NA	Water	351.2	
885-976-4	DAD-22	Total/NA	Water	351.2	
885-976-5	DAD-27	Total/NA	Water	351.2	
885-976-6	DAD-26	Total/NA	Water	351.2	
MB 885-1933/6-A	Method Blank	Total/NA	Water	351.2	
LCS 885-1933/8-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-1933/7-A	Lab Control Sample	Total/NA	Water	351.2	

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# **QC Association Summary**

Client: EA Engineering Job ID: 885-976-1

Project/Site: Dona Ana Dairies

# **General Chemistry (Continued)**

### Prep Batch: 1933 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-976-4 MS	DAD-22	Total/NA	Water	351.2	
885-976-4 MSD	DAD-22	Total/NA	Water	351.2	

## **Analysis Batch: 2459**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-976-1	DAD-10	Total/NA	Water	351.2	1933
885-976-2	DAD-21	Total/NA	Water	351.2	1933
885-976-3	DAD-09	Total/NA	Water	351.2	1933
885-976-4	DAD-22	Total/NA	Water	351.2	1933
885-976-5	DAD-27	Total/NA	Water	351.2	1933
885-976-6	DAD-26	Total/NA	Water	351.2	1933
MB 885-1933/6-A	Method Blank	Total/NA	Water	351.2	1933
LCS 885-1933/8-A	Lab Control Sample	Total/NA	Water	351.2	1933
LLCS 885-1933/7-A	Lab Control Sample	Total/NA	Water	351.2	1933
885-976-4 MS	DAD-22	Total/NA	Water	351.2	1933
885-976-4 MSD	DAD-22	Total/NA	Water	351.2	1933

## **Lab Chronicle**

Client: EA Engineering Job ID: 885-976-1

Project/Site: Dona Ana Dairies

**Client Sample ID: DAD-10** 

Date Collected: 03/11/24 10:00 Date Received: 03/12/24 08:59 Lab Sample ID: 885-976-1

**Matrix: Water** 

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1643	SS	EET ALB	03/12/24 18:04
Total/NA	Analysis	300.0		100	1640	SS	EET ALB	03/12/24 18:17
Total/NA	Analysis	2540C		1	1711	KB	EET ALB	03/14/24 12:58
Total/NA	Prep	351.2			1933	EH	<b>EET ALB</b>	03/19/24 10:37
Total/NA	Analysis	351.2		1	2459	EH	EET ALB	03/20/24 15:05

Lab Sample ID: 885-976-2 **Client Sample ID: DAD-21** 

**Matrix: Water** 

Date Collected: 03/11/24 11:50 Date Received: 03/12/24 08:59

Prep Type Total/NA Total/NA	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1643	SS	EET ALB	03/12/24 18:30
Total/NA	Analysis	300.0		100	1640	SS	EET ALB	03/12/24 18:43
Total/NA	Analysis	2540C		1	1711	KB	EET ALB	03/14/24 12:58
Total/NA Total/NA	Prep Analysis	351.2 351.2		1	1933 2459		EET ALB EET ALB	03/19/24 10:37 03/20/24 15:06

**Client Sample ID: DAD-09** Lab Sample ID: 885-976-3

Date Collected: 03/11/24 13:05 **Matrix: Water** Date Received: 03/12/24 08:59

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0			1643	SS	EETALB	03/12/24 19:21
Total/NA	Analysis	300.0		100	1640	SS	EET ALB	03/12/24 19:34
Total/NA	Analysis	2540C		1	1711	KB	EET ALB	03/14/24 12:58
Total/NA	Prep	351.2			1933	EH	<b>EET ALB</b>	03/19/24 10:37
Total/NA	Analysis	351.2		1	2459	EH	<b>EET ALB</b>	03/20/24 15:08

**Client Sample ID: DAD-22** Lab Sample ID: 885-976-4

Date Collected: 03/11/24 14:06 **Matrix: Water** Date Received: 03/12/24 08:59

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1643	SS	EET ALB	03/12/24 19:47
Total/NA	Analysis	300.0		100	1640	SS	EET ALB	03/12/24 20:00
Total/NA	Analysis	2540C		1	1711	KB	EET ALB	03/14/24 12:58
Total/NA	Prep	351.2			1933	EH	<b>EET ALB</b>	03/19/24 10:37
Total/NA	Analysis	351.2		1	2459	EH	EET ALB	03/20/24 15:00

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4/3/2024

## **Lab Chronicle**

Client: EA Engineering Job ID: 885-976-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-27

Lab Sample ID: 885-976-5

**Matrix: Water** 

Date Collected: 03/11/24 15:30 Date Received: 03/12/24 08:59

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1643	SS	EET ALB	03/12/24 20:13
Total/NA	Analysis	300.0		100	1640	SS	EET ALB	03/12/24 20:25
Total/NA	Analysis	2540C		1	1711	KB	EET ALB	03/14/24 12:58
Total/NA	Prep	351.2			1933	EH	<b>EET ALB</b>	03/19/24 10:37
Total/NA	Analysis	351.2		1	2459	EH	EET ALB	03/20/24 15:09

Lab Sample ID: 885-976-6

Matrix: Water

Client Sample ID: DAD-26 Date Collected: 03/11/24 16:52 Date Received: 03/12/24 08:59

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1643	SS	EET ALB	03/12/24 20:38
Total/NA	Analysis	300.0		100	1640	SS	EET ALB	03/12/24 20:51
Total/NA	Analysis	2540C		1	1716	JU	EET ALB	03/13/24 13:01
Total/NA	Prep	351.2			1933	EH	EET ALB	03/19/24 10:37
Total/NA	Analysis	351.2		1	2459	EH	EET ALB	03/20/24 15:14

### **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: 885-976-1

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			
0 ,	s are included in this repo does not offer certification	,	not certified by the governing author	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 Nitrite as N				
351.2	351.2	Water	Nitrogen, Total Kjeldahl				
Oregon	NELA	P	NM100001	02-26-25			
0,	s are included in this repo does not offer certification	•	not certified by the governing author	ity. This list may include analytes			
Analysis Method	Prep Method	Matrix	Analyte				
351.2	351.2	Water	Nitrogen, Total Kjeldahl				

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	ANALYSTS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	505-345-3975 Fax 505-345-4107	Analysis Request			C WO	2640 ≥A 30	I∃ eji	SOT Slub Sodq		XX	X X	×	X	X						b-contracted data will be clearly notated on the analytical report.
			4901 Ha	Tel 50	A STATE OF THE STA	008		M A93				メメ	イメ	メイ	メイ	X	メメ			Remarks:			possibility Any su
Turn-Around Time	☑ Standard □ Rush	äi	Dona Ana Daıries (DAD'S)	Project #		Project Manager	Gina Mullen	Sampler. Angel N. Rivera On Ice; The State of St	Jers: /		Type and # Type	2	Z RAK. 076.000		8	۲	7			Via D	(Sulps 3/12	Received by Via· Date Time	Incessary, 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		Science, and Technology		/ Suite	505-715-4279	rmullen@eaest.com	☐ Level 4 (Full Validation)	☐ Az Compliance ☐ Other			Matrix Sample Name	6w DAD-10	Gw DAD.21	GW DAD-09	An	6w DAD-27	Gw DAD-21			Relinquished by.	Int line	Relinquished by	amples submitted to Hall Environmental may be subc
Chain-c	Client:		Mailing Address:	320 Gold Ave SW Suite	Phone #: 5	email or Fax#	QA/QC Package:	_ ا	ype)		Date Time N	3-11 10:00	3-11 11:50 50	3-11 13:05 FW	3-11 14:06	3.11 15:30 1	3-11 16:52			Time.	3-11 18:30 (	Time	I If necessary, sa

# **Login Sample Receipt Checklist**

Client: EA Engineering Job Number: 885-976-1

Login Number: 976 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.	False	Refer to Job Narrative for details.
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 4/3/2024 1:00:16 PM

# **JOB DESCRIPTION**

**Dona Ana Dairies** 

# **JOB NUMBER**

885-792-1

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 4/3/2024 1:00:16 PM

Authorized for release by John Caldwell, Project Manager john.caldwell@et.eurofinsus.com (505)345-3975

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Laboratory Job ID: 885-792-1

Client: EA Engineering Project/Site: Dona Ana Dairies

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Receipt Checklists	18

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## **Definitions/Glossary**

Client: EA Engineering Job ID: 885-792-1

Project/Site: Dona Ana Dairies

### **Qualifiers**

### **HPLC/IC**

Qualifier Qualifier Description

4 MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable.

**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.

Example 2 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

4/3/2024

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### **Case Narrative**

Client: EA Engineering Job ID: 885-792-1
Project: Dona Ana Dairies

Job ID: 885-792-1 Eurofins Albuquerque

### Job Narrative 885-792-1

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 are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample 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 3/8/2024 9:15 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 0.4°C.

### HPLC/IC

Method 300_OF_28D_NO3: The following samples were diluted due for Nitrate Nitrite as N to the nature of the sample matrix: DAD-24 (885-792-1), DAD-19 (885-792-2), DAD-17 (885-792-3) and DAD-05 (885-792-4). 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** 

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Client: EA Engineering Job ID: 885-792-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-24 Lab Sample ID: 885-792-1 Date Collected: 03/07/24 10:50

**Matrix: Water** 

03/12/24 15:53

03/14/24 13:13 03/16/24 13:41

Date Received: 03/08/24 09:15

Total Dissolved Solids (SM 2540C)

Nitrogen, Total Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anion	s, Ion Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100	50	mg/L			03/12/24 13:32	100
Nitrate Nitrite as N	6.0	1.0	mg/L			03/12/24 21:29	5
General Chemistry Analyte	Result Qualifier	RL	Unit	D	Prepared	Analvzed	Dil Fac

50

0.50

mg/L

mg/L

2900 E

ND F1

Client: EA Engineering Job ID: 885-792-1

Project/Site: Dona Ana Dairies

Client Sample ID: DAD-19 Lab Sample ID: 885-792-2

Date Collected: 03/07/24 12:25

Matrix: Water

Date Received: 03/08/24 09:15

Method: EPA 300.0 - Anion	s, Ion Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000	50	mg/L			03/12/24 13:58	100
Nitrate Nitrite as N	37	1.0	mg/L			03/12/24 21:42	5
General Chemistry	Result Qualifier	RL	Unit	n	Prepared	Analyzed	Dil Fac

General Chemistry Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	3100	E	50	mg/L			03/12/24 15:53	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/14/24 13:13	03/16/24 13:46	1

Client: EA Engineering Job ID: 885-792-1

Project/Site: Dona Ana Dairies

**Client Sample ID: DAD-17** Lab Sample ID: 885-792-3

**Matrix: Water** 

03/12/24 15:53

03/14/24 13:13 03/16/24 13:47

Date Collected: 03/07/24 14:15 Date Received: 03/08/24 09:15

Total Dissolved Solids (SM 2540C)

Nitrogen, Total Kjeldahl (EPA 351.2)

Method: EPA 300.0 - Anion	s, Ion Chromatography						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99	5.0	mg/L			03/12/24 14:11	10
Nitrate Nitrite as N	ND	1.0	mg/L			03/12/24 21:55	5
General Chemistry							
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

50

1.0

mg/L

mg/L

680

ND

2

4/3/2024

Client: EA Engineering Job ID: 885-792-1

Project/Site: Dona Ana Dairies

Lab Sample ID: 885-792-4 **Client Sample ID: DAD-05** Date Collected: 03/07/24 15:43

**Matrix: Water** 

Date Received: 03/08/24 09:15

is, Ion Chromatography						
Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
310	50	mg/L			03/12/24 15:15	100
ND	1.0	mg/L			03/12/24 22:07	5
Result Qualifier	DI	linit	Б	Droporod	Anglyzad	Dil Fac
	Result Qualifier 310 ND	Result   Qualifier   RL	Result 310         Qualifier         RL 50         Unit mg/L mg/L mg/L           ND         1.0         mg/L	Result   Qualifier   RL   Unit   D   mg/L   ND   1.0   mg/L	Result 310         Qualifier         RL 50         Unit mg/L mg/L mg/L         D mg/L           ND         1.0         mg/L	Result 310         Qualifier         RL 50         Unit mg/L mg/L         D mg/L 03/12/24 15:15           ND         1.0         mg/L 03/12/24 22:07

General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1300		100	mg/L			03/12/24 15:53	1
Nitrogen, Total Kjeldahl (EPA	3.6		0.50	mg/L		03/14/24 13:13	03/16/24 13:49	1
351.2)								

Client: EA Engineering

Project/Site: Dona Ana Dairies

Job ID: 885-792-1

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: DAD-24

Client Sample ID: DAD-24

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1635/4

**Matrix: Water** 

**Analysis Batch: 1635** 

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

**Client Sample ID: Lab Control Sample** 

**Client Sample ID: Lab Control Sample** 

MB MB

Result Qualifier RL Unit Analyzed Dil Fac Analyte D Prepared Chloride 0.50 03/12/24 09:40 ND mg/L

Lab Sample ID: LCS 885-1635/5

**Matrix: Water** 

**Analysis Batch: 1635** 

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

Lab Sample ID: MRL 885-1635/3

**Matrix: Water** 

**Analysis Batch: 1635** 

Spike MRL MRL %Rec Added Result Qualifier Limits Analyte Unit D %Rec Chloride 0.500 0.525 50 - 150 mg/L

Lab Sample ID: 885-792-1 MS

**Matrix: Water** 

**Analysis Batch: 1635** 

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 1400 50.0 1420 4 80 - 120 mg/L -69

Lab Sample ID: 885-792-1 MSD

**Matrix: Water** 

**Analysis Batch: 1635** 

MSD MSD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Limits Unit %Rec **RPD** Limit Chloride 1400 50.0 1410 4 -76 80 - 120 mg/L

Lab Sample ID: MB 885-1636/4

**Matrix: Water** 

**Analysis Batch: 1636** 

MB MB

Qualifier Analyte Result RL Unit Analyzed Dil Fac Prepared 0.20 03/12/24 09:40 Nitrate Nitrite as N ND mg/L

Lab Sample ID: LCS 885-1636/5

**Matrix: Water** 

**Analysis Batch: 1636** 

Spike LCS LCS %Rec Added Result Qualifier Limits Unit %Rec Nitrate Nitrite as N 3.50 3.54 mg/L 101 90 - 110

Lab Sample ID: MRL 885-1636/3

**Matrix: Water** 

Analysis Batch: 1636									
		Spike	MRL	MRL				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate Nitrite as N		0.200	0.211		mg/L		106	50 - 150	

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RPD

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Client: EA Engineering Job ID: 885-792-1 Project/Site: Dona Ana Dairies

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-792-1 MS **Client Sample ID: DAD-24** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1636** 

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate Nitrite as N	6.0		35.0	41.2		mg/L		101	80 - 120	

Lab Sample ID: 885-792-1 MSD Client Sample ID: DAD-24 Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1636** 

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate Nitrite as N	6.0		35.0	41.2		mg/L		101	80 - 120	0	20

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

Lab Sample ID: MB 885-1612/1 Client Sample ID: Method Blank Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1612** 

MB MB Analyte Result Qualifier RL Unit Dil Fac Prepared Analyzed Total Dissolved Solids 50 03/12/24 15:53 ND mg/L

Lab Sample ID: LCS 885-1612/2 **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 1612** 

•	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Total Dissolved Solids	 1000	993		mg/L		99	80 - 120	 

Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-1722/3-A **Client Sample ID: Method Blank Matrix: Water** Prep Type: Total/NA **Analysis Batch: 1882** Prep Batch: 1722

MB MB Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Nitrogen, Total Kjeldahl ND 0.50 mg/L 03/14/24 13:13 03/16/24 13:37

Lab Sample ID: LCS 885-1722/5-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 1882** 

Prep Batch: 1722 Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Unit Nitrogen, Total Kjeldahl 9.91 9.94 mg/L 90 - 110

Lab Sample ID: LLCS 885-1722/4-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

**Analysis Batch: 1882** 

LLCS LLCS Spike %Rec Added Result Qualifier Limits Unit %Rec Nitrogen, Total Kjeldahl 0.496 0.605 122 mg/L 50 - 150

Eurofins Albuquerque

4/3/2024

Prep Batch: 1722

## **QC Sample Results**

Client: EA Engineering Job ID: 885-792-1

Project/Site: Dona Ana Dairies

Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: 885-792-1 MS **Client Sample ID: DAD-24 Matrix: Water Prep Type: Total/NA Analysis Batch: 1882** Prep Batch: 1722 Sample Sample Spike MS MS %Rec

Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Nitrogen, Total Kjeldahl ND F1 9.91 8.15 F1 mg/L 82 90 - 110

**Lab Sample ID: 885-792-1 MSD Client Sample ID: DAD-24** Prep Type: Total/NA

**Matrix: Water** 

**Analysis Batch: 1882** 

Prep Batch: 1722 Sample Sample Spike MSD MSD %Rec RPD **Analyte** Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit

Nitrogen, Total Kjeldahl ND F1 9.91 8.75 F1 88 90 - 110 7 mg/L

Client: EA Engineering

Job ID: 885-792-1

Project/Site: Dona Ana Dairies

## HPLC/IC

### **Analysis Batch: 1635**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-792-1	DAD-24	Total/NA	Water	300.0	
885-792-2	DAD-19	Total/NA	Water	300.0	
885-792-3	DAD-17	Total/NA	Water	300.0	
885-792-4	DAD-05	Total/NA	Water	300.0	
MB 885-1635/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1635/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1635/3	Lab Control Sample	Total/NA	Water	300.0	
885-792-1 MS	DAD-24	Total/NA	Water	300.0	
885-792-1 MSD	DAD-24	Total/NA	Water	300.0	

### **Analysis Batch: 1636**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-792-1	DAD-24	Total/NA	Water	300.0	_
885-792-2	DAD-19	Total/NA	Water	300.0	
885-792-3	DAD-17	Total/NA	Water	300.0	
885-792-4	DAD-05	Total/NA	Water	300.0	
MB 885-1636/4	Method Blank	Total/NA	Water	300.0	
LCS 885-1636/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-1636/3	Lab Control Sample	Total/NA	Water	300.0	
885-792-1 MS	DAD-24	Total/NA	Water	300.0	
885-792-1 MSD	DAD-24	Total/NA	Water	300.0	

# **General Chemistry**

### **Analysis Batch: 1612**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-792-1	DAD-24	Total/NA	Water	2540C	<u> </u>
885-792-2	DAD-19	Total/NA	Water	2540C	
885-792-3	DAD-17	Total/NA	Water	2540C	
885-792-4	DAD-05	Total/NA	Water	2540C	
MB 885-1612/1	Method Blank	Total/NA	Water	2540C	
LCS 885-1612/2	Lab Control Sample	Total/NA	Water	2540C	

### Prep Batch: 1722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-792-1	DAD-24	Total/NA	Water	351.2	_
885-792-2	DAD-19	Total/NA	Water	351.2	
885-792-3	DAD-17	Total/NA	Water	351.2	
885-792-4	DAD-05	Total/NA	Water	351.2	
MB 885-1722/3-A	Method Blank	Total/NA	Water	351.2	
LCS 885-1722/5-A	Lab Control Sample	Total/NA	Water	351.2	
LLCS 885-1722/4-A	Lab Control Sample	Total/NA	Water	351.2	
885-792-1 MS	DAD-24	Total/NA	Water	351.2	
885-792-1 MSD	DAD-24	Total/NA	Water	351.2	

### **Analysis Batch: 1882**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-792-1	DAD-24	Total/NA	Water	351.2	1722
885-792-2	DAD-19	Total/NA	Water	351.2	1722
885-792-3	DAD-17	Total/NA	Water	351.2	1722
885-792-4	DAD-05	Total/NA	Water	351.2	1722

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# **QC Association Summary**

Client: EA Engineering Job ID: 885-792-1

Project/Site: Dona Ana Dairies

# **General Chemistry (Continued)**

## **Analysis Batch: 1882 (Continued)**

Lab Sample ID MB 885-1722/3-A	Client Sample ID  Method Blank	Prep Type Total/NA	Matrix Water	Method 351.2	Prep Batch 1722
LCS 885-1722/5-A	Lab Control Sample	Total/NA	Water	351.2	1722
LLCS 885-1722/4-A	Lab Control Sample	Total/NA	Water	351.2	1722
885-792-1 MS	DAD-24	Total/NA	Water	351.2	1722
885-792-1 MSD	DAD-24	Total/NA	Water	351.2	1722

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Client: EA Engineering Project/Site: Dona Ana Dairies

**Client Sample ID: DAD-24** 

Lab Sample ID: 885-792-1

**Matrix: Water** 

Date Collected: 03/07/24 10:50 Date Received: 03/08/24 09:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	1635	RC	EET ALB	03/12/24 13:32
Total/NA	Analysis	300.0		5	1636	RC	EET ALB	03/12/24 21:29
Total/NA	Analysis	2540C		1	1612	KS	EET ALB	03/12/24 15:53
Total/NA	Prep	351.2			1722	EH	EET ALB	03/14/24 13:13
Total/NA	Analysis	351.2		1	1882	EH	EET ALB	03/16/24 13:41

Lab Sample ID: 885-792-2

**Matrix: Water** 

Date Collected: 03/07/24 12:25 Date Received: 03/08/24 09:15

**Client Sample ID: DAD-19** 

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	1635	RC	EET ALB	03/12/24 13:58
Total/NA	Analysis	300.0		5	1636	RC	EET ALB	03/12/24 21:42
Total/NA	Analysis	2540C		1	1612	KS	EET ALB	03/12/24 15:53
Total/NA	Prep	351.2			1722	EH	<b>EET ALB</b>	03/14/24 13:13
Total/NA	Analysis	351.2		1	1882	EH	EET ALB	03/16/24 13:46

**Client Sample ID: DAD-17** Lab Sample ID: 885-792-3 Date Collected: 03/07/24 14:15

**Matrix: Water** 

Date Received: 03/08/24 09:15

_	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		10	1635	RC	EET ALB	03/12/24 14:11
Total/NA	Analysis	300.0		5	1636	RC	EET ALB	03/12/24 21:55
Total/NA	Analysis	2540C		1	1612	KS	EET ALB	03/12/24 15:53
Total/NA	Prep	351.2			1722	EH	<b>EET ALB</b>	03/14/24 13:13
Total/NA	Analysis	351.2		2	1882	EH	<b>EET ALB</b>	03/16/24 13:47

**Client Sample ID: DAD-05** Lab Sample ID: 885-792-4

Date Collected: 03/07/24 15:43 **Matrix: Water** Date Received: 03/08/24 09:15

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	or Analyzed
Total/NA	Analysis	300.0		100	1635	RC	EET ALB	03/12/24 15:15
Total/NA	Analysis	300.0		5	1636	RC	EET ALB	03/12/24 22:07
Total/NA	Analysis	2540C		1	1612	KS	EET ALB	03/12/24 15:53
Total/NA	Prep	351.2			1722	EH	EET ALB	03/14/24 13:13
Total/NA	Analysis	351.2		1	1882	EH	EET ALB	03/16/24 13:49

**Laboratory References:** 

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

# **Accreditation/Certification Summary**

Client: EA Engineering Job ID: 885-792-1

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
,	s are included in this repo does not offer certification	•	not certified by the governing author	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 Nitrite as N	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	
Oregon	NELAI	Þ	NM100001	02-26-25
,	s are included in this repo does not offer certification	•	not certified by the governing author	ity. This list may include analytes
Analysis Method	Prep Method	Matrix	Analyte	
351.2	351.2	Water	Nitrogen, Total Kjeldahl	

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HALL ENVIRONMENTAL	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Ana	0008	0	00 00 00 00	% Eb	OLUS BPA N 25 EPA N 45	Vitrate/ Chlorid TDS SI Sulfate Phosph Total S	XXX	スズスス	マヌヌメ	メイドメ				Remarks:		
Turn-Around Time:	ai.	Dona Ana Dairies (DAD'S)			Project Manager:	Gina Mullen	Sampler: Angel N. Rivera	olers: 1	Cooler Templinduding CF): O U - O - O - V	Container Preservative Type and # Type		7	2 885-792 COC	8				Received by: Va: Date Time R	FEUR 3/8/24 9:15	Received by: Via: Date Time
Chain-of-Custody Record	Science, and Technology	Mailing Address:	320 Gold Ave SW Suite	Phone #: 505-715-4279	en@eaest.com	QA/QC Package:	1: Az Compliance	Wbe)		Date Time Matrix Sample Name	10:50 DAD- 24	37 D35 GW DAD-19	Ser.	3-7 15:43 Gw DAD-05				Time: Relinquished by:	10 And m	Time: Relinquished by:

# **Login Sample Receipt Checklist**

Client: EA Engineering Job Number: 885-792-1

Login Number: 792 List Source: Eurofins Albuquerque

List Number: 1

**Creator: Dominguez, Desiree** 

Creator: Dominguez, Desiree		
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.	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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WATER / WATER RIGHT:

ENVIRONMENTAL

ECOLOGICAL

CONSTRUCTION MANAGEMENT

**OFFICE ADDRESS:** 

Glorieta Geoscience A Division of GZA 1723 Second Street Santa Fe, NM 87505

MAILING ADDRESS: Glorieta Geoscience P.O. Box 5727 Santa Fe. NM 87502

# February 22, 2024

Regina,

Please see the following monitoring well analyses from the 1st quarter sampling event at Organ Dairy that took place January 10, 2024. Please feel free to contact me at (352) 327-2685 or at Samantha.carver@gza.com.

Monitoring	DTW	TDS	Cl	TKN	Nitrate	Sulfate	EC μS	рН	Temp
Well	(ft)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)			°c
MW 126-04	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW 126-05	30.7	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW 126-07	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW 126-09	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
MW 126-12	26.5	2210	480	<1.0	4.2	520	3160	7.29	17.5
MW 126-13	45.42	3320	750	<2.0	15	810	1860	7.1	17

Best,

Samantha Carver

Scientist I

GGI, A Division of GZA, Inc.

S. Carver



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

March 02, 2024

Gina Mullen
EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL: (505) 224-9013

FAX:

RE: Dominguez Dairy 2 OrderNo.: 2402740

#### Dear Gina Mullen:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 2/15/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/2/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 42-02

 Project:
 Dominguez Dairy 2
 Collection Date: 2/14/2024 11:30:00 AM

 Lab ID:
 2402740-001
 Matrix: GROUNDWA
 Received Date: 2/15/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	:: JMT
Chloride	540	50	*	mg/L	100	2/15/2024 2:56:16 PM	R103127
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/15/2024 2:43:55 PM	R103127
Nitrogen, Nitrate (As N)	6.1	1.0		mg/L	10	2/15/2024 2:43:55 PM	R103127
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2800	50.0	*	mg/L	1	2/21/2024 3:13:00 PM	80547
EPA 351.2: TKN						Analyst	:: EAH
Nitrogen, Kjeldahl, Total	0.95	0.50		mg/L	1	2/23/2024 2:14:00 PM	80587

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

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

Date Reported: 3/2/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 42-11

 Project:
 Dominguez Dairy 2
 Collection Date: 2/14/2024 1:13:00 PM

 Lab ID:
 2402740-002
 Matrix: GROUNDWA
 Received Date: 2/15/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	:: JMT
Chloride	550	50	*	mg/L	100	2/15/2024 3:20:57 PM	R103127
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/15/2024 3:08:37 PM	R103127
Nitrogen, Nitrate (As N)	6.2	1.0		mg/L	10	2/15/2024 3:08:37 PM	R103127
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2790	50.0	*	mg/L	1	2/21/2024 3:13:00 PM	80547
EPA 351.2: TKN						Analyst	:: EAH
Nitrogen, Kjeldahl, Total	0.91	0.50		mg/L	1	2/23/2024 2:18:00 PM	80587

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

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

Date Reported: 3/2/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 42-12

 Project:
 Dominguez Dairy 2
 Collection Date: 2/14/2024 2:45:00 PM

 Lab ID:
 2402740-003
 Matrix: GROUNDWA
 Received Date: 2/15/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	:: JMT
Chloride	270	50	*	mg/L	100	2/15/2024 3:45:40 PM	R103127
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/15/2024 3:33:18 PM	R103127
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	2/15/2024 3:33:18 PM	R103127
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	1080	100	*D	mg/L	1	2/21/2024 3:13:00 PM	80547
EPA 351.2: TKN						Analyst	:: EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/23/2024 2:20:00 PM	80587

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

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

Date Reported: 3/2/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 42-10

 Project:
 Dominguez Dairy 2
 Collection Date: 2/14/2024 4:37:00 PM

 Lab ID:
 2402740-004
 Matrix: GROUNDWA
 Received Date: 2/15/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	:: JMT
Chloride	540	50	*	mg/L	100	2/15/2024 4:35:04 PM	R103127
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/15/2024 4:22:43 PM	R103127
Nitrogen, Nitrate (As N)	5.8	1.0		mg/L	10	2/15/2024 4:22:43 PM	R103127
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2680	50.0	*	mg/L	1	2/21/2024 3:13:00 PM	80547
EPA 351.2: TKN						Analyst	:: EAH
Nitrogen, Kjeldahl, Total	0.77	0.50		mg/L	1	2/23/2024 2:21:00 PM	80587

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

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

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402740** 

02-Mar-24

Client: EA Engineering
Project: Dominguez Dairy 2

Sample ID: MB SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBW Batch ID: R103127 RunNo: 103127

Prep Date: Analysis Date: 2/15/2024 SeqNo: 3813236 Units: mg/L

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

 Chloride
 ND
 0.50

 Nitrogen, Nitrite (As N)
 ND
 0.10

 Nitrogen, Nitrate (As N)
 ND
 0.10

Sample ID: LCS TestCode: EPA Method 300.0: Anions SampType: Ics Client ID: LCSW Batch ID: R103127 RunNo: 103127 Prep Date: Analysis Date: 2/15/2024 SeqNo: 3813237 Units: mg/L SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL SPK value LowLimit HighLimit Qual

Chloride 4.8 0.50 5.000 0 95.2 90 110 Nitrogen, Nitrite (As N) 0.98 0.10 1.000 0 97.8 90 110 Nitrogen, Nitrate (As N) 0 2.5 0.10 2.500 101 90 110

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

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402740** 

02-Mar-24

Client: EA Engineering
Project: Dominguez Dairy 2

Sample ID: MB-80547 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80547 RunNo: 103240

Prep Date: 2/20/2024 Analysis Date: 2/21/2024 SeqNo: 3817678 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-80547 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80547 RunNo: 103240

Prep Date: 2/20/2024 Analysis Date: 2/21/2024 SeqNo: 3817679 Units: mg/L

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

Total Dissolved Solids 977 50.0 1000 0 97.7 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: 2402740

02-Mar-24

**Client: EA Engineering Project:** Dominguez Dairy 2

PBW

Client ID:

Sample ID: MB-80587 SampType: MBLK TestCode: EPA 351.2: TKN

Batch ID: 80587

Prep Date: 2/22/2024 Analysis Date: 2/23/2024 SeqNo: 3821807 Units: mg/L

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

RunNo: 103321

943

150

Nitrogen, Kjeldahl, Total ND 0.50

Sample ID: LCSLL-80587 SampType: LCSLL TestCode: EPA 351.2: TKN Client ID: BatchQC Batch ID: 80587 RunNo: 103321 Prep Date: 2/22/2024 Analysis Date: 2/23/2024 SeqNo: 3821808 Units: mg/L %RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Qual

Nitrogen, Kjeldahl, Total Sample ID: LCS-80587 TestCode: EPA 351.2: TKN SampType: LCS

Client ID: LCSW Batch ID: 80587 RunNo: 103321

0.47

Prep Date: Analysis Date: 2/23/2024 SeqNo: 3821809 Units: mg/L 2/22/2024

0.5000

Result POI SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte I owl imit

Nitrogen, Kjeldahl, Total 10 0.50 10.00

Sample ID: 2402740-001AMS SampType: MS TestCode: EPA 351.2: TKN

Client ID: RunNo: 103321 42-02 Batch ID: 80587

Prep Date: Analysis Date: 2/23/2024 SeqNo: 3821811 Units: mg/L 2/22/2024

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

Nitrogen, Kjeldahl, Total 11 0.50 10.00 0.9475 96.9 90 110

Sample ID: 2402740-001AMSD SampType: MSD TestCode: EPA 351.2: TKN

Client ID: 42-02 Batch ID: 80587 RunNo: 103321

Prep Date: 2/22/2024 Analysis Date: 2/23/2024 SeqNo: 3821812 Units: mg/L

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

0.50 Nitrogen, Kjeldahl, Total 10.00 0.9475 98.0 90 110 1.02 20

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



### **Environment Testin**

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109

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

## Sample Log-In Check List

RcptNo: 1 **EA Engineering** Work Order Number: 2402740 Client Name: Received By: Steve McQuiston 2/15/2024 8:35:00 AM Completed By: Chevenne Cason 2/15/2024 8:50:37 AM >CM Reviewed By: Chain of Custody No 🗌 Not Present 1. Is Chain of Custody complete? 2. How was the sample delivered? Log In No 🗌 NA 🗌 Yes 🗸 Was an attempt made to cool the samples? No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗹 No 🗌 Sample(s) in proper container(s)? Yes 🗸 No 🗌 Yes 🔽 6. Sufficient sample volume for indicated test(s)? No 🗌 7. Are samples (except VOA and ONG) properly preserved? No 🗸 NA 🔲 Yes 🗌 8. Was preservative added to bottles? NA 🗸 No 🗔 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes  $\square$ No 🔽 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗹 No 🗔 for pH: 11. Does paperwork match bottle labels? >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗔 12. Are matrices correctly identified on Chain of Custody? Yes Yes 🗸 No 🗌 13. Is it clear what analyses were requested? Ju 2/15/2 No 🗌 Yes 🗸 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) NA 🗹 Yes No 🗌 15. Was client notified of all discrepancies with this order? Person Notified: Date: By Whom: eMail Phone Fax In Person Via: Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 0.2 Good Not Present Morty

Client:  EA Engineering, Science, and Technology Mailing Address:  320 Gold Ave SW Suite Phone #: 505-715-4279 email or Fax#: rmullen@eaest.com  QAQC Package:  Standard  Accreditation: Az Compliance  Date Time Matrix Sample Name  2-14 (1:30 Gw 42-02  2-14 (1:30 Gw 42-11  2-14 (1:30 Gw 42-12  2-14 (1:31 Gw 42-12  3-14 (1:31
Matrix Sa (42 4279)  Matrix Sa (42 4279)  Matrix Sa (42 4279)  Matrix Sa (43 4279)  Matrix Sa

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility.



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

March 15, 2024

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

RE: Del Oro Dairy OrderNo.: 2403010

### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 3/1/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

### Lab Order **2403010**

Date Reported: 3/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-10

 Project:
 Del Oro Dairy
 Collection Date: 2/29/2024 10:50:00 AM

 Lab ID:
 2403010-001
 Matrix: GROUNDWA
 Received Date: 3/1/2024 8:42:00 AM

Result **RL Qual Units DF** Date Analyzed Batch **Analyses EPA METHOD 300.0: ANIONS** Analyst: SNS Chloride 630 50 mg/L 100 3/1/2024 11:00:14 AM R103470 Nitrogen, Nitrite (As N) ND 1.0 3/1/2024 10:47:21 AM R103470 mg/L Nitrogen, Nitrate (As N) 3/1/2024 10:47:21 AM 1.2 1.0 mg/L R103470 200 3/1/2024 10:47:21 AM R103470 5.0 mg/L SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: KCB **Total Dissolved Solids** 1750 3/6/2024 2:48:00 PM 80796 100 *D mg/L **EPA 351.2: TKN** Analyst: EAH mg/L Nitrogen, Kjeldahl, Total ND 0.50 3/8/2024 10:17:00 AM 80832

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

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

Lab Order **2403010** 

Date Reported: 3/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-08

 Project:
 Del Oro Dairy
 Collection Date: 2/29/2024 1:48:00 PM

 Lab ID:
 2403010-002
 Matrix: GROUNDWA
 Received Date: 3/1/2024 8:42:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Ba	atch
EPA METHOD 300.0: ANIONS					Analyst: SN	NS
Chloride	390	50	*	mg/L	100 3/1/2024 11:51:42 AM R1	103470
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 3/1/2024 11:38:50 AM R1	103470
Nitrogen, Nitrate (As N)	2.1	1.0		mg/L	10 3/1/2024 11:38:50 AM R1	103470
Sulfate	180	5.0		mg/L	10 3/1/2024 11:38:50 AM R1	103470
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: KC	СВ
Total Dissolved Solids	1330	50.0	*	mg/L	1 3/6/2024 2:48:00 PM 80	0796
EPA 351.2: TKN					Analyst: <b>E</b>	AH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1 3/8/2024 10:18:00 AM 80	0832

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

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

### Lab Order **2403010**

Date Reported: 3/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-01

 Project:
 Del Oro Dairy
 Collection Date: 2/29/2024 3:25:00 PM

 Lab ID:
 2403010-003
 Matrix: GROUNDWA
 Received Date: 3/1/2024 8:42:00 AM

Result **RL Qual Units DF** Date Analyzed Batch **Analyses EPA METHOD 300.0: ANIONS** Analyst: SNS Chloride 980 50 mg/L 100 3/1/2024 12:17:26 PM R103470 Nitrogen, Nitrite (As N) ND 1.0 mg/L 3/1/2024 12:04:33 PM R103470 Nitrogen, Nitrate (As N) 160 10 mg/L 100 3/1/2024 12:17:26 PM R103470 580 50 100 3/1/2024 12:17:26 PM R103470 mg/L SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: KCB 3/6/2024 2:48:00 PM **Total Dissolved Solids** 50.0 80796 4190 mg/L **EPA 351.2: TKN** Analyst: EAH mg/L Nitrogen, Kjeldahl, Total ND 0.50 3/8/2024 10:20:00 AM 80832

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

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

Lab Order **2403010** 

Date Reported: 3/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-02

 Project:
 Del Oro Dairy
 Collection Date: 2/29/2024 4:55:00 PM

 Lab ID:
 2403010-004
 Matrix: GROUNDWA
 Received Date: 3/1/2024 8:42:00 AM

Result **RL Qual Units DF** Date Analyzed Batch **Analyses EPA METHOD 300.0: ANIONS** Analyst: SNS Chloride 1100 50 mg/L 100 3/1/2024 12:43:10 PM R103470 Nitrogen, Nitrite (As N) ND 1.0 mg/L 3/1/2024 12:30:18 PM R103470 Nitrogen, Nitrate (As N) 190 10 mg/L 100 3/1/2024 12:43:10 PM R103470 650 50 100 3/1/2024 12:43:10 PM R103470 mg/L SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: KCB **Total Dissolved Solids** 3/6/2024 2:48:00 PM 80796 4140 250 *D mg/L **EPA 351.2: TKN** Analyst: EAH Nitrogen, Kjeldahl, Total ND 0.50 mg/L 3/8/2024 10:21:00 AM 80832

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

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

## Hall Environmental Analysis Laboratory, Inc.

9.5

0.50

10.00

WO#: **2403010** 

15-Mar-24

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB SampType: MBLK TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: R103470 RunNo: 103470 Prep Date: Analysis Date: 3/1/2024 SeqNo: 3828551 Units: mg/L Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual ND 0.50

 Chloride
 ND
 0.50

 Nitrogen, Nitrite (As N)
 ND
 0.10

 Nitrogen, Nitrate (As N)
 ND
 0.10

 Sulfate
 ND
 0.50

Sample ID: LCS SampType: LCS TestCode: EPA Method 300.0: Anions Client ID: LCSW Batch ID: R103470 RunNo: 103470 Prep Date: Analysis Date: 3/1/2024 SeqNo: 3828552 Units: mg/L PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Chloride 4.7 0.50 5.000 0 94.1 90 110 0 Nitrogen, Nitrite (As N) 1.000 101 90 1.0 0.10 110 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 0 98.6 90 110

0

95.3

90

110

#### Qualifiers:

Sulfate

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2403010

15-Mar-24

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

Total Dissolved Solids

Sample ID: MB-80796 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80796 RunNo: 103542

Analysis Date: 3/6/2024 Prep Date: 3/5/2024 SeqNo: 3832148 Units: mg/L

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

**Total Dissolved Solids** ND 50.0

Sample ID: LCS-80796 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80796 RunNo: 103542

50.0

Prep Date: 3/5/2024 Analysis Date: 3/6/2024 SeqNo: 3832149 Units: mg/L

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

98.5

120

1000

Sample ID: 2403010-003ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: EW-01 Batch ID: 80796 RunNo: 103542

985

Prep Date: 3/5/2024 Analysis Date: 3/6/2024 SeqNo: 3832312 Units: mg/L

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

Total Dissolved Solids 4220 50.0 0.785

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

POL Practical Quanitative Limit

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

В Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit RL

Page 6 of 7

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2403010** 

15-Mar-24

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-80832 SampType: MBLK TestCode: EPA 351.2: TKN

Client ID: PBW Batch ID: 80832 RunNo: 103589

Prep Date: 3/7/2024 Analysis Date: 3/8/2024 SeqNo: 3833934 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 0.50

Sample ID: LCSLL-80832 SampType: LCSLL TestCode: EPA 351.2: TKN

Client ID: BatchQC Batch ID: 80832 RunNo: 103589

Prep Date: 3/7/2024 Analysis Date: 3/8/2024 SeqNo: 3833935 Units: mg/L

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

Nitrogen, Kjeldahl, Total 0.46 0 0.5000 0 91.5 50 150

Sample ID: LCS-80832 SampType: LCS TestCode: EPA 351.2: TKN

Client ID: LCSW Batch ID: 80832 RunNo: 103589

Prep Date: 3/7/2024 Analysis Date: 3/8/2024 SeqNo: 3833936 Units: mg/L

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

Nitrogen, Kjeldahl, Total 10 0.50 10.00 0 101 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit



#### Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109

# Sample Log-In Check List

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

Client Name:	EA Engineering	Work Order Number:	240	3010			RcptNo:	1
Received By:	Joseph Alderette	3/1/2024 8:42:00 AM			8ª			
Completed By:	Tracy Casarrubias	3/1/2024 8:50:08 AM						
Reviewed By:	ny	3/01/24						
Chain of Cus	<u>todv</u>							
1. Is Chain of C	ustody complete?		Yes	<b>V</b>	No		Not Present	
2. How was the	sample delivered?		<u>Fed</u>	<u>=</u> x				
Log In  3. Was an attent	npt made to cool the sam	nples?	Yes	<b>V</b>	No		NA 🗆	
4. Were all samp	ples received at a tempe	rature of >0° C to 6.0°C	Yes	<b>V</b>	No		NA $\square$	
5. Sample(s) in	proper container(s)?		Yes	V	No			
6. Sufficient sam	nple volume for indicated	test(s)?	Yes	<b>V</b>	No			
7. Are samples (	(except VOA and ONG)	properly preserved?	Yes	<b>V</b>	No			
8. Was preserva	tive added to bottles?		Yes		No	<b>V</b>	NA $\square$	
9. Received at le	east 1 vial with headspac	ee <1/4" for AQ VOA?	Yes		No		na 🗹	
10. Were any sar	mple containers received	broken?	Yes		No	V	# of preserved	
	ork match bottle labels?		Yes	$\checkmark$	No		bottles checked for pH:	>12 unless noted)
	ancies on chain of custo correctly identified on Ch	•	Yes	<b>V</b>	No		Adjusted?	NO
	correctly identified on Ch it analyses were requesto		Yes		No			11.
14. Were all holdi	ing times able to be met?	?	Yes	<b>V</b>	No		Checked by:	3/1/24
	ustomer for authorization	1.)						
	ling (if applicable) otified of all discrepancie	s with this order?	Yes		No		NA 🗸	
Person	Notified:	Date:				_		
By Who	,	Via:	_ eM	ail 🔲	Phone [	Fax	In Person	
Regard	ling:							
Client I	nstructions:							
16. Additional re	emarks:							
17. <u>Cooler Information</u> Cooler No.	The state of the s	n Seal Intact Seal No S	Seal C	ate	Signed	Ву		
							4	

ਹ	o-uial	f-Cus	Chain-of-Custody Record	Turn-Around Time:	rime:			Ц	Ì	HALL	Ш	VIF	ENVIRONMENTAL	ME	Ę	AL	
Client:				Standard	□ Rush			П	4	¥	.≺S	S	ANALYSIS LABORATORY	Z	5	R	<b>.</b>
FA Fugir	neering. Sc	cience, a	FA Fugineering. Science, and Technology	Project Name:					≯	ww.ha	lenvir	nemen	www.hallenvironmental.com				
Mailing Address:	ddress:			Del Oro Dairy			7	4901 Hawkins NE	awkin		- Albu	querqu	Albuquerque, NM 87109	87109			
000	ating N/S and blog occ	d di		Project #:				Tel. 505-345-3975	5-345	-3975	T.	× 505	Fax 505-345-4107	07			
320 GUIL		07.07 377 3070	070								ınalys	Analysis Request	nest			-	
Phone #:		7-00	rmillen@eaest.com	Project Manager:	ger			000	-	_		_			- 20	_	
QA/QC Package:	ackage:				Gina Mullen			C				80					
□ Standard			☐ Level 4 (Full Validation)				T			101/		109				_	
Accreditation:		☐ Az Compliance ☐ Other	pliance	Sampler: On Ice:	Angel N. Alve	No ON						Aq <u>=</u> ———					
T FDD (Type)	1	5		# of Coolers:												_	
				Cooler Temp	emp(including cF): 19	0 = 1.90c mort											
				Container	Preservative	HEAL No.		KN 2	ploric	DS S		psod otal S				-	
	Time	J	ame	Type and #	lype	2403010			+			-		-		-	L
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Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

March 15, 2024

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

RE: Dona Ana Dairies DADS OrderNo.: 2403067

### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 5 sample(s) on 3/2/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

### Lab Order **2403067**

Date Reported: 3/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-01

Project: Dona Ana Dairies DADS Collection Date: 3/1/2024 10:20:00 AM

Lab ID: 2403067-001 Matrix: GROUNDWA Received Date: 3/2/2024 9:45:00 AM

Analyses	Result	RL Q	)ual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	420	50	*	mg/L	100	3/4/2024 12:31:48 PM
Nitrate+Nitrite as N	11	1.0	*	mg/L	5	3/4/2024 6:54:34 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KCB
Total Dissolved Solids	1520	100	*D	mg/L	1	3/7/2024 4:15:00 PM
EPA 351.2: TKN						Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	3/7/2024 4:45:00 PM

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

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

### Lab Order **2403067**

Date Reported: 3/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-12

Project: Dona Ana Dairies DADS Collection Date: 3/1/2024 12:00:00 PM

Lab ID: 2403067-002 Matrix: GROUNDWA Received Date: 3/2/2024 9:45:00 AM

Analyses	Result	RL Qu	ual (	U <b>nits</b>	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	820	50	*	mg/L	100	3/4/2024 12:56:30 PM
Nitrate+Nitrite as N	9.6	1.0		mg/L	5	3/4/2024 7:06:55 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KCB
Total Dissolved Solids	3160	250	*D	mg/L	1	3/7/2024 4:15:00 PM
EPA 351.2: TKN						Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	3/7/2024 4:47:00 PM

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

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

### Lab Order **2403067**

Date Reported: 3/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-13

**Project:** Dona Ana Dairies DADS **Collection Date:** 3/1/2024 1:52:00 PM

**Lab ID:** 2403067-003 **Matrix:** GROUNDWA **Received Date:** 3/2/2024 9:45:00 AM

Analyses	Result	RL Q	)ual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RBC
Chloride	760	50	*	mg/L	100	3/4/2024 1:21:12 PM
Nitrate+Nitrite as N	16	1.0	*	mg/L	5	3/4/2024 7:19:15 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KCB
Total Dissolved Solids	2640	250	*D	mg/L	1	3/7/2024 4:15:00 PM
EPA 351.2: TKN						Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	3/7/2024 4:48:00 PM

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

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

#### Lab Order 2403067

Received Date: 3/2/2024 9:45:00 AM

1

Date Reported: 3/15/2024

Analyst: EAH

3/7/2024 4:50:00 PM

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering Client Sample ID: DAD-11

**Project:** Dona Ana Dairies DADS **Collection Date:** 3/1/2024 3:40:00 PM Matrix: GROUNDWA

Result **RL Qual Units** DF **Date Analyzed** Analyses **EPA METHOD 300.0: ANIONS** Analyst: RBC Chloride 1100 mg/L 100 3/4/2024 2:10:36 PM 50 Nitrate+Nitrite as N 39 2.0 10 3/5/2024 12:13:50 PM mg/L **SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: KCB **Total Dissolved Solids** 3/7/2024 4:15:00 PM 3840 250 *D 1 mg/L

ND

0.50

mg/L

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

#### Qualifiers:

Lab ID:

**EPA 351.2: TKN** 

Nitrogen, Kjeldahl, Total

2403067-004

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

#### Lab Order **2403067**

Date Reported: 3/15/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: DAD-14

Project: Dona Ana Dairies DADS Collection Date: 3/1/2024 4:57:00 PM

Lab ID: 2403067-005 Matrix: GROUNDWA Received Date: 3/2/2024 9:45:00 AM

Result **RL Qual Units** DF **Date Analyzed** Analyses **EPA METHOD 300.0: ANIONS** Analyst: RBC Chloride 1300 50 mg/L 100 3/4/2024 2:35:19 PM Nitrate+Nitrite as N 76 4.0 20 3/5/2024 12:26:12 PM mg/L **SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: KCB **Total Dissolved Solids** 3/7/2024 4:15:00 PM 4100 250 *D 1 mg/L **EPA 351.2: TKN** Analyst: EAH Nitrogen, Kjeldahl, Total 3/7/2024 4:54:00 PM ND 0.50 mg/L 1

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

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

## Hall Environmental Analysis Laboratory, Inc.

3.6

0.20

3.500

WO#: 2403067

15-Mar-24

Client:	EA Engineering
---------	----------------

Nitrate+Nitrite as N

**Project:** Dona Ana Dairies DADS

Sample ID: ME	SampTy	SampType: MBLK TestCode: EPA Method 3							
Client ID: PB	<b>PBW</b> Batch ID: <b>R103506</b> RunNo: <b>103506</b>								
Prep Date:	Analysis Da	te: <b>3/4/2024</b>	Se	eqNo: <b>3830</b>	<b>500</b> l	Jnits: mg/L			
Analyte	Result	PQL SPK value	SPK Ref Val	%REC Lo	wLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50		•	•		•		•

Nitrate+Nitrite as N ND 0.20

Sample ID: LCS	SampType: LCS	TestCode: EPA Method 300.0: Anions						
Client ID: LCSW	LCSW Batch ID: R103506 RunNo: 103506							
Prep Date:	Analysis Date: 3/4/2024	SeqNo: <b>3830501</b>						
Analyte	Result PQL SPK va	ue SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual				
Chloride	4.9 0.50 5.0	00 0 97.4 90	110					

0

102

110

90

Sample ID: 2403067-001AMS	SampT	уре: <b>М</b> \$	3	TestCode: EPA Method 300.0: Anions						
Client ID: DAD-01	Batch	ID: <b>R1</b>	03506	F	lunNo: 10	03506				
Prep Date:	Analysis D	ate: 3/	4/2024	SeqNo: <b>3830513</b>			Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	49	2.0	35.00	13.84	101	80	120			

Sample ID: 2403067-001AMSD	DIAMSD SampType: MSD TestCode: EPA Method 300.0: Anions										
Client ID: DAD-01	R	tunNo: 10	03506								
Prep Date:	Analysis Da	ate: 3/	4/2024	S	SeqNo: 38	830514	Units: mg/L				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Nitrate+Nitrite as N	48	2.0	35.00	13.84	98.7	80	120	1.86	20		

Sample ID: MB SampType: MBLK			BLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBW Batch ID: R103506			R	03506								
Prep Date:	e: Analysis Date: 3/4/2024 SeqNo:		SeqNo: 3	No: <b>3830554</b> Units: <b>mg/L</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Chloride	ND	0.50										
Nitrate+Nitrite as N	ND	0.20										

Sample ID: LCS	TestCode: EPA Method 300.0: Anions									
Client ID: LCSW	Batch	Batch ID: R103506 RunNo: 103506								
Prep Date:	Analysis D	ate: 3/	4/2024	SeqNo: <b>3830555</b>			Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	SPK Ref Val %REC LowLim		HighLimit	%RPD	RPDLimit	Qual
Chloride	4.9	0.50	5.000	0	98.0	90	110			
Nitrate+Nitrite as N	3.6	0.20	3.500	0	0 102		110			

#### Qualifiers:

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

Page 6 of 9

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2403067** 

15-Mar-24

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADS

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

Client ID: PBW Batch ID: R103524 RunNo: 103524

Prep Date: Analysis Date: 3/5/2024 SeqNo: 3831256 Units: mg/L

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

Nitrate+Nitrite as N ND 0.20

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

Client ID: LCSW Batch ID: R103524 RunNo: 103524

Prep Date: Analysis Date: 3/5/2024 SeqNo: 3831257 Units: mg/L

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

Nitrate+Nitrite as N 3.5 0.20 3.500 0 101 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2403067** 

15-Mar-24

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADS

Sample ID: MB-80811 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80811 RunNo: 103570

Prep Date: 3/6/2024 Analysis Date: 3/7/2024 SeqNo: 3833103 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-80811 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80811 RunNo: 103570

Prep Date: 3/6/2024 Analysis Date: 3/7/2024 SeqNo: 3833104 Units: mg/L

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

Total Dissolved Solids 1010 50.0 1000 0 101 80 120

Sample ID: 2403067-005ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: **DAD-14** Batch ID: **80811** RunNo: **103570** 

Prep Date: 3/6/2024 Analysis Date: 3/7/2024 SeqNo: 3833113 Units: mg/L

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

Total Dissolved Solids 4150 250 1.09 10 *D

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 9

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2403067** 

15-Mar-24

Client: EA Engineering

**Project:** Dona Ana Dairies DADS

Sample ID: MB-80827 SampType: MBLK TestCode: EPA 351.2: TKN

Client ID: PBW Batch ID: 80827 RunNo: 103571

Prep Date: 3/7/2024 Analysis Date: 3/7/2024 SeqNo: 3833147 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 0.50

Sample ID: LCS-80827 SampType: LCS TestCode: EPA 351.2: TKN

Client ID: LCSW Batch ID: 80827 RunNo: 103571

Prep Date: 3/7/2024 Analysis Date: 3/7/2024 SeqNo: 3833149 Units: mg/L

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

Nitrogen, Kjeldahl, Total 9.6 0.50 10.00 0 96.2 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 9 of 9



## Environment Testin

Eurofins Environment Testing South Central, LLC

4901 Hawkins NE Albuquerque, NM 87109

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

# Sample Log-In Check List

Client Name:	EA Enginee	ring	Work	Order Numb	er: <b>2403067</b>		RcptNo:	1
Received By:	Cheyenne	Cason	3/2/2024	9:45:00 AN	А	Chul		
Completed By:	Cheyenne	Cason	3/2/2024	9:53:06 AN	Л	Chul		
Reviewed By:	DAD 3	12/24						
Chain of Cus	tody							
1. Is Chain of Cu	ustody compl	ete?		40	Yes 🗹	No 🗀	Not Present	
2. How was the	sample delive	ered?			<u>FedEx</u>			
<u>Log In</u> 3. Was an attem	npt made to c	ool the samp	les?		Yes 🗹	No 🗌	na 🗆	
						No 🗹	A1A [7]	
4. Were all samp	oles received	at a tempera	ture of >0° C t	o 6.0°C	Yes		NA 🗔	
5. Sample(s) in p	proper contai	ner(s)?			Yes 🗹	No 🗌		
6. Sufficient sam	iple volume fo	or indicated to	est(s)?		Yes 🗹	No 🗆		
7. Are samples (	except VOA	and ONG) pre	operly preserve	d?	Yes 🗹	No 🗌		
8. Was preserva	tive added to	bottles?			Yes	No 🗹	NA 🗆	
9. Received at le	ast 1 vial with	n headspace	<1/4" for AQ V	OA?	Yes $\square$	No 🗆	NA 🗹	
10, Were any san	mple containe	rs received b	roken?		Yes	No 🗹	# of preserved one	slua
11. Does paperwo			1		Yes 🗸	No 🗆	for pH: 45	>12 unless noted)
12. Are matrices o		-			Yes 🗸	No 🗌	Adjusted?	100
13. Is it clear what	t analyses we	ere requested	?		Yes 🗸	No 🗆		
14. Were all holding (If no, notify co	_				Yes 🗸	No 🗆	Checked by:	m 3/da
Special Handl		•						
15. Was client no	Care Was		with this order?	•	Yes 🗌	No 🗆	NA 🗹	
Person	Notified:	POWER THE TAXABLE		Date:				
By Who	om:			Via:	_ eMail _	Phone Fax	☐ In Person	
Regard Client II	ing: nstructions:							
16. Additional re								
17. Cooler Infor								
Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By		
1	-0.7	Good	Not Present	Yogi				

Received by: Port 3/2/14 09445 Received by: Via: Date Time	n@eaest.com Project N vel 4 (Full Validation) Sampler On los: # of Cocoler Type an Typ	gel N. Rivera  Yes D No Yes  Servative HEAL No.  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000  1000	Www.hallenvironmental.com  Www.hallenvironmental.com  Www.hallenvironmental.com  Tel. 505 345 3975  Tel. 505 345 4107  Tel. 505 345 4107  Tel. 505 345 4107  Analysis Request  Analysis Request
	Receive Receive Receive Receive Receive Receive Receive Relinquished by:	60 2/2/2 094/	



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

March 18, 2024

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

RE: Big Sky Dairy OrderNo.: 2402989

### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 2/21/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/18/2024

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Client Sample ID: 833-06

 Project:
 Big Sky Dairy
 Collection Date: 2/20/2024 9:55:00 AM

 Lab ID:
 2402989-001
 Matrix: GROUNDWA
 Received Date: 2/21/2024 8:40:00 AM

**Analyses** Result **RL Oual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 1000 50 mg/L 100 2/23/2024 12:54:11 AM R103279 Sulfate 510 50 mg/L 100 2/23/2024 12:54:11 AM R103279 Nitrate+Nitrite as N 17 1.0 mg/L 2/23/2024 5:11:48 AM R103279 **SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: KS Total Dissolved Solids 2750 50.0 2/26/2024 12:34:00 PM 80608 mg/L **EPA 351.2: TKN** Analyst: EAH ND 0.50 2/28/2024 3:47:00 PM Nitrogen, Kjeldahl, Total mg/L 80664

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

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

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/18/2024

CLIENT: EA Engineering Client Sample ID: 833-04

 Project:
 Big Sky Dairy
 Collection Date: 2/20/2024 11:35:00 AM

 Lab ID:
 2402989-002
 Matrix: GROUNDWA
 Received Date: 2/21/2024 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	:: ЈМТ
Chloride	870	50	*	mg/L	100	2/23/2024 1:24:31 AM	R103279
Sulfate	490	50	*	mg/L	100	2/23/2024 1:24:31 AM	R103279
Nitrate+Nitrite as N	30	1.0	*	mg/L	5	2/23/2024 5:26:57 AM	R103279
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2870	50.0	*	mg/L	1	2/26/2024 12:34:00 PM	80608
EPA 351.2: TKN						Analyst	:: EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/28/2024 3:52:00 PM	80664

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

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

Date Reported: 3/18/2024

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Client Sample ID: 833-02

**Project:** Big Sky Dairy **Collection Date:** 2/20/2024 2:00:00 PM

**Lab ID:** 2402989-003 **Matrix:** GROUNDWA **Received Date:** 2/21/2024 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF :	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	1300	50	*	mg/L	100	2/23/2024 1:54:49 AM	R103279
Sulfate	660	50	*	mg/L	100	2/23/2024 1:54:49 AM	R103279
Nitrate+Nitrite as N	31	1.0	*	mg/L	5	2/23/2024 5:42:06 AM	R103279
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	3780	50.0	*	mg/L	1	2/26/2024 12:34:00 PM	80608
EPA 351.2: TKN						Analyst	: EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/28/2024 3:53:00 PM	80664

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

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

### Lab Order **2402989**

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/18/2024

CLIENT: EA Engineering Client Sample ID: 833-08

 Project:
 Big Sky Dairy
 Collection Date: 2/20/2024 3:52:00 PM

 Lab ID:
 2402989-004
 Matrix: GROUNDWA
 Received Date: 2/21/2024 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF 1	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	1100	50	*	mg/L	100	2/23/2024 2:55:27 AM	R103279
Sulfate	470	50	*	mg/L	100	2/23/2024 2:55:27 AM	R103279
Nitrate+Nitrite as N	64	2.0	*	mg/L	10	3/1/2024 9:01:52 PM	A103479
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	3340	50.0	*	mg/L	1	2/26/2024 12:34:00 PM	80608
EPA 351.2: TKN						Analyst	: EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/28/2024 3:55:00 PM	80664

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

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

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402989** 

18-Mar-24

Client: EA Engineering
Project: Big Sky Dairy

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

 Client ID:
 PBW
 Batch ID:
 R103279
 RunNo:
 103279

 Prep Date:
 Analysis Date:
 2/22/2024
 SeqNo:
 3819551
 Units:
 mg/L

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

 Chloride
 ND
 0.50

 Sulfate
 ND
 0.50

 Nitrate+Nitrite as N
 ND
 0.20

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions Client ID: RunNo: 103279 LCSW Batch ID: R103279 Prep Date: Analysis Date: 2/22/2024 SeqNo: 3819552 Units: mg/L SPK Ref Val %REC Analyte PQL SPK value LowLimit HighLimit %RPD **RPDLimit** Qual Chloride 4.9 0.50 5.000 0 98.0 90 110 Sulfate 10 0.50 0 100 90 10.00 110 0 Nitrate+Nitrite as N 3.6 0.20 3.500 103 90 110

Sample ID: MB TestCode: EPA Method 300.0: Anions SampType: mblk Client ID: PBW Batch ID: A103479 RunNo: 103479 Prep Date: Analysis Date: 3/1/2024 SeqNo: 3829390 Units: mg/L SPK value SPK Ref Val **RPDLimit** Analyte Result PQL %REC HighLimit %RPD Qual LowLimit

Nitrate+Nitrite as N ND 0.20

Sample ID: LCS SampType: Ics TestCode: EPA Method 300.0: Anions Client ID: LCSW Batch ID: A103479 RunNo: 103479 Prep Date: Analysis Date: 3/1/2024 SeqNo: 3829392 Units: mg/L SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte Result **PQL** LowLimit HighLimit

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

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

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402989** 

18-Mar-24

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-80608 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80608 RunNo: 103319

Prep Date: 2/23/2024 Analysis Date: 2/26/2024 SeqNo: 3821475 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-80608 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80608 RunNo: 103319

Prep Date: 2/23/2024 Analysis Date: 2/26/2024 SeqNo: 3821476 Units: mg/L

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

Total Dissolved Solids 1010 50.0 1000 0 101 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

0.45

9.9

6.7

WO#: **2402989** 

18-Mar-24

Client: EA Engineering
Project: Big Sky Dairy

Nitrogen, Kjeldahl, Total

Nitrogen, Kjeldahl, Total

Nitrogen, Kjeldahl, Total

Sample ID: MB-80664 SampType: MBLK TestCode: EPA 351.2: TKN

Client ID: **PBW** Batch ID: **80664** RunNo: **103386** 

0

0.50

0.50

Prep Date: 2/27/2024 Analysis Date: 2/28/2024 SeqNo: 3824608 Units: mg/L

0.5000

10.00

10.00

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

Nitrogen, Kjeldahl, Total ND 0.50

Sample ID: LCSLL-80664 SampType: LCSLL TestCode: EPA 351.2: TKN Client ID: BatchQC Batch ID: 80664 RunNo: 103386 Prep Date: 2/27/2024 Analysis Date: 2/28/2024 SeqNo: 3824609 Units: mg/L %RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Qual

90.6

99.5

66.7

50

90

150

110

Sample ID: LCS-80664 SampType: LCS TestCode: EPA 351.2: TKN Client ID: LCSW Batch ID: 80664 RunNo: 103386 Prep Date: Analysis Date: 2/28/2024 SeqNo: 3824610 Units: mg/L 2/27/2024 Result POI SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte I owl imit

Sample ID: 2402989-001AMS SampType: MS TestCode: EPA 351.2: TKN Client ID: 833-06 Batch ID: 80664 RunNo: 103386 Prep Date: Analysis Date: 2/28/2024 SeqNo: 3824614 Units: mg/L 2/27/2024 Analyte Result **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual LowLimit

Sample ID: 2402989-001AMSD SampType: MSD TestCode: EPA 351.2: TKN Client ID: 833-06 Batch ID: 80664 RunNo: 103386 Units: mg/L Prep Date: 2/27/2024 Analysis Date: 2/28/2024 SeqNo: 3824615 %REC %RPD **RPDLimit** Result **PQL** SPK value SPK Ref Val LowLimit HighLimit Qual

Nitrogen, Kjeldahl, Total 6.5 0.50 10.00 0 64.8 90 110 2.98 20 S

### Qualifiers:

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

S



### **Environment Testin**

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109

# Sample Log-In Check List

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

Client Name: EA Engineering Work Order Number	r: <b>2402989</b>		RcptNo: 1	
Received By: Desiree Dominguez 2/21/2024 8:40:00 AM	1	D3		
Completed By: Desiree Dominguez 2/21/2024 9:09:19 AM	1	D2		
Reviewed By: Z-21-74				
Chain of Custody				
1. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present 🗀	
2. How was the sample delivered?	<u>FedEx</u>			
Log In  3. Was an attempt made to cool the samples?	Yes 🗹	No 🗆	na 🗆	
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌	
5. Sample(s) in proper container(s)?	Yes 🗹	No 🗌		
6. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?	Yes 🗌	No 🗹	NA 🗆	
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes 🗌	No 🗆	NA 🗹	
10. Were any sample containers received broken?	Yes 🗌	No 🗹	# of preserved bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗸	No 🗆	for pH:	ess noted)
12. Are matrices correctly identified on Chain of Custody?	Yes 🗸	No 🗌	Adjusted? (	
13. Is it clear what analyses were requested?	Yes 🗸	No 🔲		1-1-
14. Were all holding times able to be met?	Yes 🔽	No 📙	Checked by: 70 2	121/24
(If no, notify customer for authorization.)				·
Special Handling (if applicable)  15. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified: Date:				
By Whom: Via:	eMail	Phone Fax	☐ In Person	
Regarding:				
Client Instructions:				
16. Additional remarks:				
17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No 1 0.2 Good Not Present Morty	Seal Date	Signed By		

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

March 18, 2024

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

RE: Big Sky Dairy OrderNo.: 2402B70

### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 2/23/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

#### Lab Order 2402B70

Date Reported: 3/18/2024

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering Client Sample ID: 833-05

**Project:** Big Sky Dairy Collection Date: 2/22/2024 10:40:00 AM 2402B70-001 Lab ID: Matrix: GROUNDWA Received Date: 2/23/2024 8:34:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Bate	ch
EPA METHOD 300.0: ANIONS					Analyst: SNS	S
Chloride	1300	50	*	mg/L	100 2/23/2024 1:52:45 PM R10	3320
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/23/2024 1:15:44 PM R10	03320
Nitrogen, Nitrate (As N)	28	1.0	*	mg/L	10 2/23/2024 1:15:44 PM R10	03320
Sulfate	480	50	*	mg/L	100 2/23/2024 1:52:45 PM R10	3320
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: <b>KS</b>	
Total Dissolved Solids	3240	50.0	*	mg/L	1 3/2/2024 11:17:00 AM 8069	98
EPA 351.2: TKN					Analyst: DMI	L
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1 2/29/2024 3:11:00 PM 8071	15

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

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

Lab Order 2402B70

Date Reported: 3/18/2024

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering Client Sample ID: 833-07

**Project:** Big Sky Dairy Collection Date: 2/22/2024 12:15:00 PM

2402B70-002 Lab ID: Matrix: GROUNDWA **Received Date: 2/23/2024 8:34:00 AM** 

Analyses	Result	RL	Qual	Units	DF 1	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	SNS
Chloride	1400	50	*	mg/L	100	2/23/2024 2:17:27 PM	R103320
Nitrogen, Nitrite (As N)	ND	10		mg/L	100	2/23/2024 2:17:27 PM	R103320
Nitrogen, Nitrate (As N)	86	10	*	mg/L	100	2/23/2024 2:17:27 PM	R103320
Sulfate	720	50	*	mg/L	100	2/23/2024 2:17:27 PM	R103320
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KS
Total Dissolved Solids	4120	50.0	*	mg/L	1	3/2/2024 11:17:00 AM	80698
EPA 351.2: TKN						Analyst	DML
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/29/2024 3:15:00 PM	80715

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

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

#### Lab Order **2402B70**

Date Reported: 3/18/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 833-09

 Project:
 Big Sky Dairy
 Collection Date: 2/22/2024 1:38:00 PM

 Lab ID:
 2402B70-003
 Matrix: GROUNDWA
 Received Date: 2/23/2024 8:34:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed H	Batch
EPA METHOD 300.0: ANIONS					Analyst: \$	SNS
Chloride	840	50	*	mg/L	100 2/23/2024 2:42:09 PM	R103320
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/23/2024 2:29:48 PM	R103320
Nitrogen, Nitrate (As N)	68	10	*	mg/L	100 2/23/2024 2:42:09 PM	R103320
Sulfate	710	50	*	mg/L	100 2/23/2024 2:42:09 PM	R103320
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: I	KS
Total Dissolved Solids	3510	50.0	*	mg/L	1 3/2/2024 11:17:00 AM	80698
EPA 351.2: TKN					Analyst:	DML
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1 2/29/2024 3:17:00 PM	80715

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

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

Lab Order **2402B70** 

Date Reported: 3/18/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 833-10

 Project:
 Big Sky Dairy
 Collection Date: 2/22/2024 3:25:00 PM

 Lab ID:
 2402B70-004
 Matrix: GROUNDWA
 Received Date: 2/23/2024 8:34:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Batc	ch
EPA METHOD 300.0: ANIONS					Analyst: SNS	3
Chloride	760	50	*	mg/L	100 2/23/2024 3:06:51 PM R103	3320
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/23/2024 2:54:30 PM R103	3320
Nitrogen, Nitrate (As N)	3.0	1.0		mg/L	10 2/23/2024 2:54:30 PM R103	3320
Sulfate	510	50	*	mg/L	100 2/23/2024 3:06:51 PM R103	3320
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: <b>KS</b>	
Total Dissolved Solids	2750	50.0	*	mg/L	1 3/2/2024 11:17:00 AM 8069	98
EPA 351.2: TKN					Analyst: <b>DML</b>	L
Nitrogen, Kjeldahl, Total	0.94	0.50		mg/L	1 2/29/2024 3:18:00 PM 8071	15

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

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

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402B70

18-Mar-24

**Client: EA Engineering Project:** Big Sky Dairy

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

Client ID: PBW Batch ID: R103320 RunNo: 103320

Prep Date: Analysis Date: 2/23/2024 SeqNo: 3821583 Units: mg/L

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

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

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

Client ID: Batch ID: R103320 RunNo: 103320

Prep Date: Analysis Date: 2/23/2024 SeqNo: 3821584 Units: mg/L

SPK value SPK Ref Val **RPDLimit** Result POL %REC LowLimit HighLimit %RPD Analyte Qual 4.9 0.50 5.000 0 98.2 90 110 Chloride 0.10 0 102 90 Nitrogen, Nitrite (As N) 1.0 1.000 110 Nitrogen, Nitrate (As N) 2.6 0.10 2.500 0 104 90 110 Sulfate 10 0.50 0 100 90 10.00 110

Sample ID: 2402B70-001AMS SampType: MS TestCode: EPA Method 300.0: Anions

Client ID: 833-05 Batch ID: R103320 RunNo: 103320

Prep Date: Analysis Date: 2/23/2024 SeqNo: 3821606 Units: mg/L

%RPD Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Nitrogen, Nitrite (As N) 8.4 1.0 10.00 80 83.8 120

105

80

27.80

Sample ID: 2402B70-001AMSD SampType: MSD TestCode: EPA Method 300.0: Anions

25.00

Client ID: 833-05 Batch ID: R103320 RunNo: 103320

Prep Date: Analysis Date: 2/23/2024 SeqNo: 3821607

Units: mg/L Analyte PQL SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Result SPK value LowLimit 80 0.205 Nitrogen, Nitrite (As N) 8.4 1.0 10.00 0 84.0 120 20 Nitrogen, Nitrate (As N) 55 1.0 25.00 27.80 107 80 120 0.810 20

#### Qualifiers:

Nitrogen, Nitrate (As N)

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

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

В Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 5 of 7

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402B70** 

18-Mar-24

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-80698 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80698 RunNo: 103457

Prep Date: 2/28/2024 Analysis Date: 3/2/2024 SeqNo: 3827836 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-80698 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80698 RunNo: 103457

Prep Date: 2/28/2024 Analysis Date: 3/2/2024 SeqNo: 3827837 Units: mg/L

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

Total Dissolved Solids 1010 50.0 1000 0 101 80 120

Sample ID: 2402B70-002ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: **833-07** Batch ID: **80698** RunNo: **103457** 

Prep Date: 2/28/2024 Analysis Date: 3/2/2024 SeqNo: 3827855 Units: mg/L

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

Total Dissolved Solids 4110 50.0 0.462 10 *

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402B70** 

18-Mar-24

Client: EA Engineering
Project: Big Sky Dairy

Sample ID: MB-80715 SampType: MBLK TestCode: EPA 351.2: TKN

Client ID: PBW Batch ID: 80715 RunNo: 103507

Prep Date: 2/29/2024 Analysis Date: 2/29/2024 SeqNo: 3830589 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 0.50

Sample ID: LCSLL-80715 SampType: LCSLL TestCode: EPA 351.2: TKN

Client ID: BatchQC Batch ID: 80715 RunNo: 103507

Prep Date: 2/29/2024 Analysis Date: 2/29/2024 SeqNo: 3830590 Units: mg/L

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

Nitrogen, Kjeldahl, Total 0.48 0 0.5000 0 96.6 50 150

Sample ID: LCS-80715 SampType: LCS TestCode: EPA 351.2: TKN

Client ID: LCSW Batch ID: 80715 RunNo: 103507

Prep Date: 2/29/2024 Analysis Date: 2/29/2024 SeqNo: 3830591 Units: mg/L

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

Nitrogen, Kjeldahl, Total 10 0.50 10.00 0 103 90 110

Sample ID: 2402B70-001AMS SampType: MS TestCode: EPA 351.2: TKN

Client ID: 833-05 Batch ID: 80715 RunNo: 103507

Prep Date: 2/29/2024 Analysis Date: 2/29/2024 SeqNo: 3830593 Units: mg/L

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

Nitrogen, Kjeldahl, Total 5.6 0.50 10.00 0 56.3 90 110 S

Sample ID: 2402B70-001AMSd SampType: MSD TestCode: EPA 351.2: TKN

Client ID: 833-05 Batch ID: 80715 RunNo: 103507

Prep Date: 2/29/2024 Analysis Date: 2/29/2024 SegNo: 3830594 Units: mg/L

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual RS Nitrogen, Kjeldahl, Total 7.1 0.50 10.00 71.4 90 110 23.6 20

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 7 of 7



#### Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client Name: **EA Engineering** Work Order Number: 2402B70 RcptNo: 1 Received By: 2/23/2024 8:34:00 AM Steve McQuiston Completed By: 2/23/2024 10:25:16 AM **Desiree Dominguez** Reviewed By: M2/23/24 Chain of Custody Yes 🗸 No 🗌 Not Present 1. Is Chain of Custody complete? 2. How was the sample delivered? **FedEx** Log In Yes 🗸 No 🗌 NA 🗌 3. Was an attempt made to cool the samples? No V NA 🗔 4. Were all samples received at a temperature of >0° C to 6.0°C Yes Samples not frozen. Sample(s) in proper container(s)? Yes 🗹 No Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? No 🗌 Yes 🗸 7. Are samples (except VOA and ONG) properly preserved? No 🗸 NA 🔲 Yes 🗌 8. Was preservative added to bottles? Yes 🗌 No 🗌 NA V 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗹 10. Were any sample containers received broken? # of preserved bottles checked Yes V No 🗌 for pH: 11. Does paperwork match bottle labels? >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 🗌 Yes 🗸 12. Are matrices correctly identified on Chain of Custody? Yes 🗹 No 🗌 13. Is it clear what analyses were requested? No 🗌 Yes 🔽 Checked by: 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) No 🗌 15. Was client notified of all discrepancies with this order? Yes NA 🗸 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Temp ºC Cooler No Condition Seal Intact Seal No Seal Date Signed By Good Not Present Morty

HALL ENVIRONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	300	D	00 300 ИОКС	003 040 6 A ∃ 21	Nitr Nitr	Mitrate/ TKN SI Chlorid TDS SI Sulfate Phosph Total S	XXXXX	メメメメ		XXXX				34 Remarks: SAMPLES NOT FIZE	76/20/C W X
lime:	□ Rush					ger:	Gina Mullen	Angel N. Rivera		emp(mending cP): ( - ) + O , ) = - (	Preservative Type 2462870	100-	€00-	₹ <b>∞</b> -	780-				Ex 2/33/34	Via: ¹ Date Time
Turn-Around Time:	Standard	Project Name:	Big Sky Dairy	Project #:		Project Manager:		Sampler: On Ice:	ers.	Cooler Temp	Container Type and #	Co	7	8	2					Received by:
Chain-of-Custody Record		EA Engineering, Science, and Technology		Suite	505-715-4279	rmullen@eaest.com	☐ Level 4 (Full Validation)				Matrix Sample Name	Gw 833-05		Gw 833-09	Gw 833-10				Relinquished by:	Relinquished by:
Chain-o	Client:	EA Engineering, S	Mailing Address:	320 Gold Ave SW Suite	Phone #: 50	Fax#:	QA/QC Package:	1	□ EDD (Type)		Date Time N	222 10:40 6	<u> </u>	00					Time:	Time:

If necessary, samples submitted to Half 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.



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

March 18, 2024

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

RE: Sunset Dairy OrderNo.: 2402C35

### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 3 sample(s) on 2/24/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

### Lab Order 2402C35

Date Reported: 3/18/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 257-01

 Project:
 Sunset Dairy
 Collection Date: 2/23/2024 10:38:00 AM

 Lab ID:
 2402C35-001
 Matrix: GROUNDWA
 Received Date: 2/24/2024 9:35:00 AM

Analyses	Result	RL Q	ual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	880	50	*	mg/L	100	2/26/2024 1:16:47 PM
Sulfate	640	50	*	mg/L	100	2/26/2024 1:16:47 PM
Nitrate+Nitrite as N	33	2.0	*	mg/L	10	3/4/2024 7:31:31 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KCB
Total Dissolved Solids	3520	100	*D	mg/L	1	3/4/2024 3:05:00 PM
EPA 351.2: TKN						Analyst: <b>DML</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/29/2024 3:47:00 PM

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

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

### Lab Order **2402C35**

Date Reported: 3/18/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 257-02

 Project:
 Sunset Dairy
 Collection Date: 2/23/2024 11:46:00 AM

 Lab ID:
 2402C35-002
 Matrix: GROUNDWA
 Received Date: 2/24/2024 9:35:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	690	50	*	mg/L	100	2/26/2024 1:42:31 PM
Sulfate	450	50	*	mg/L	100	2/26/2024 1:42:31 PM
Nitrate+Nitrite as N	3.8	1.0		mg/L	5	2/26/2024 6:25:26 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KCB
Total Dissolved Solids	2600	250	*D	mg/L	1	3/4/2024 3:05:00 PM
EPA 351.2: TKN						Analyst: <b>DML</b>
Nitrogen, Kjeldahl, Total	0.62	0.50		mg/L	1	2/29/2024 3:48:00 PM

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

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

### Lab Order **2402C35**

Date Reported: 3/18/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: MW-4

 Project:
 Sunset Dairy
 Collection Date: 2/23/2024 3:20:00 PM

 Lab ID:
 2402C35-003
 Matrix: GROUNDWA
 Received Date: 2/24/2024 9:35:00 AM

Analyses	Result	RL (	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SNS
Chloride	1300	50	*	mg/L	100	2/26/2024 2:33:56 PM
Sulfate	920	50	*	mg/L	100	2/26/2024 2:33:56 PM
Nitrate+Nitrite as N	1.1	1.0		mg/L	5	2/26/2024 6:38:18 PM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KCB
Total Dissolved Solids	3950	250	*D	mg/L	1	3/4/2024 3:05:00 PM
EPA 351.2: TKN						Analyst: DML
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/29/2024 3:50:00 PM

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

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

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2402C35** 

18-Mar-24

Client:	EA Engineering									
Project:	Sunset Dairy									
Sample ID: MB	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	300.0: Anions	5		
Client ID: PBW	Bato	h ID: <b>R1</b>	03337	F	RunNo: 1	03337				
Prep Date:	Analysis I	Date: <b>2/</b>	26/2024	S	SeqNo: 3	822536	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								
Sulfate	ND	0.50								
Nitrate+Nitrite as N	ND	0.20								
Sample ID: LCS	Samp	Type: <b>LC</b>	s	Tes	tCode: El	PA Method	300.0: Anions	<u> </u>		
Client ID: LCSV	<b>I</b> Bato	h ID: <b>R1</b>	03337	F	RunNo: 1	03337				
Prep Date:	Analysis I	Date: 2/	26/2024	S	SeqNo: 3	822537	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.9	0.50	5.000	0	97.6	90	110			
Sulfate	9.9	0.50	10.00	0	99.1	90	110			
Nitrate+Nitrite as N	3.6	0.20	3.500	0	102	90	110			
Sample ID: MB	Samp	Type: ml	olk	Tes	tCode: El	PA Method	300.0: Anions	<b>S</b>		
Client ID: PBW	Bato	h ID: <b>R1</b>	03490	F	RunNo: 1	03490				
Prep Date:	Analysis I	Date: <b>3/</b>	4/2024	S	SeqNo: 3	830682	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								
Sample ID: LCS	Samp	Type: Ics	3	Tes	tCode: El	PA Method	300.0: Anions	3		
Client ID: LCSV	<b>I</b> Bato	h ID: <b>R1</b>	03490	F	RunNo: 1	03490				
Prep Date:	Analysis I	Date: <b>3/</b>	4/2024	S	SeqNo: 3	830683	Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

#### Qualifiers:

Nitrate+Nitrite as N

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

0.20

3.500

B Analyte detected in the associated Method Blank

96.6

110

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402C35** 

18-Mar-24

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-80738 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80738 RunNo: 103487

Prep Date: 3/1/2024 Analysis Date: 3/4/2024 SeqNo: 3829793 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-80738 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80738 RunNo: 103487

Prep Date: 3/1/2024 Analysis Date: 3/4/2024 SeqNo: 3829794 Units: mg/L

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

Total Dissolved Solids 1000 50.0 1000 0 100 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 6

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402C35** 

18-Mar-24

Client: EA Engineering
Project: Sunset Dairy

Sample ID: MB-80715 SampType: MBLK TestCode: EPA 351.2: TKN

Client ID: PBW Batch ID: 80715 RunNo: 103507

Prep Date: 2/29/2024 Analysis Date: 2/29/2024 SeqNo: 3830589 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 0.50

Sample ID: LCS-80715 SampType: LCS TestCode: EPA 351.2: TKN

Client ID: LCSW Batch ID: 80715 RunNo: 103507

Prep Date: 2/29/2024 Analysis Date: 2/29/2024 SeqNo: 3830591 Units: mg/L

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

Nitrogen, Kjeldahl, Total 10 0.50 10.00 0 103 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 6



### **Environment Testin**

#### Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: Work Order Number: 2402C35 **EA Engineering** RcptNo: 1 Received By: 2/24/2024 9:35:00 AM Juan Rojas Completed By: **Desiree Dominguez** 2/26/2024 8:38:23 AM Reviewed By: 2/26/24 **Chain of Custody** No 🗌 Not Present Yes 🗸 1. Is Chain of Custody complete? 2. How was the sample delivered? **FedEx** Log In Yes 🗸 No 🗌 NA  $\square$ 3. Was an attempt made to cool the samples? No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗹 Yes 🗸 No 🗌 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes 🗹 No 🗌 No 🗹 NA 🗌 Yes 🗌 8. Was preservative added to bottles? No 🗌 NA 🗹 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 Yes 🗀 No 🗸 10. Were any sample containers received broken? # of preserved bottles checked for pH: Yes 🗸 No 🗌 11. Does paperwork match bottle labels? 🕢 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? M() No 🗌 12. Are matrices correctly identified on Chain of Custody? Yes 🗹 No 🗌 13 Is it clear what analyses were requested? Yes 🗹 Checked by: 24 2/26/24 14. Were all holding times able to be met? Yes 🗹 No 🗀 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? No 🗌 NA 🗸 Yes 🗔 Person Notified: Date: By Whom: eMail Phone Fax In Person Via: Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Condition Temp °C Seal Intact Seal No Seal Date Signed By 0.5 Good Not Present Yogi

Surset Dairy  Surset Dairy  Surset Dairy  Surset Dairy  Surset Dairy  Surset Dairy  Froject Name:  Surset Dairy  Froject Name:  Surset Dairy  Froject Name:  Gina Mullen  Sample: Argel N. Rive  Outher  Matrix Sample Name  Type and # Type  Container  Container  # of Coolers:  Container  # of Coolers:  Container  # of Coolers:  Container  # of Coolers:  Argel N. Rive  Coolers:  # of Coolers:  # o	HALL ENVIRONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel Ens. 345.345-345-4107	Ana		130	0.1	JOI W	300 7 300 0 0 0 0 2 EbV	tite 450	W:	Mitrate TKN 5 Chloric TDS 9 Sulfate Phosp	XXXX	XXXX	\\ \-\	1						Date Time Remarks:	52	Date Time
Science, and Technology Science, and Technology  W Suite  505-715-4279  Tmullen@eaest.com  D Level 4 (Full Validation)  Az Compliance  Other  Matrix Sample Name Type ar  Contain  W 257-0   27  Gw 257-0   27  Gw 257-0   27  Gw 257-0   27  Gw MW-4 2  Gw M	Time:		iai					ager:	Gina Mullen		Angel N. Rive		O(Including CF): O											Via:	M PRO IX	Via:
Science, and Technology  W Suite  505-715-4279  rmullen@eaest.com  Level 4 (Full Validation)  Az Compliance  Other  6w 257-01  6w 257-02  6w 257-02  6w 257-02  Cher	Tum-Around	Standard	Project Name	Sunset Dairy	Droipor #.	Tluject #.		Project Mana			Sampler: On Ice:	# af Coolers	Cooler Tem	Container Type and #	2	6	<b>,</b>	7						Received by:		Received by:
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if necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This set



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

March 06, 2024

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

RE: Buena Vista Dairy 2 OrderNo.: 2402898

### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 3 sample(s) on 2/20/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

#### Lab Order 2402898

Date Reported: 3/6/2024

### Hall Environmental Analysis Laboratory, Inc.

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

**Project:** Buena Vista Dairy 2 Collection Date: 2/19/2024 10:24:00 AM Lab ID: 2402898-001 Matrix: GROUNDWA Received Date: 2/20/2024 8:30:00 AM

Result **RL Qual Units DF** Date Analyzed Batch Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 890 50 mg/L 100 2/28/2024 2:38:16 PM R103399 Nitrogen, Nitrite (As N) ND 0.50 5 2/20/2024 2:43:39 PM R103224 mg/L Nitrogen, Nitrate (As N) 33 0.50 mg/L 2/20/2024 2:43:39 PM R103224 SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: KS 3050 **Total Dissolved Solids** 50.0 mg/L 2/26/2024 11:23:00 AM 80593 **EPA 351.2: TKN** Analyst: EAH Nitrogen, Kjeldahl, Total ND 0.50 mg/L 2/27/2024 4:17:00 PM 80635

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

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

### Lab Order **2402898**

Date Reported: 3/6/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 74-04

**Project:** Buena Vista Dairy 2 Collection Date: 2/19/2024 12:40:00 PM

**Lab ID:** 2402898-002 **Matrix:** GROUNDWA **Received Date:** 2/20/2024 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	740	25	*	mg/L	50	2/28/2024 2:53:25 PM	R103399
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	2/20/2024 3:35:04 PM	R103224
Nitrogen, Nitrate (As N)	11	0.50	*	mg/L	5	2/20/2024 3:35:04 PM	R103224
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2310	100	*D	mg/L	1	2/26/2024 11:23:00 AM	80593
EPA 351.2: TKN						Analyst	: EAH
Nitrogen, Kjeldahl, Total	ND	2.5	D	mg/L	1	2/28/2024 3:38:00 PM	80662

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

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

### Lab Order **2402898**

Date Reported: 3/6/2024

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 74-05

 Project:
 Buena Vista Dairy 2
 Collection Date: 2/19/2024 3:50:00 PM

 Lab ID:
 2402898-003
 Matrix: GROUNDWA
 Received Date: 2/20/2024 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	720	25	*	mg/L	50	2/28/2024 3:08:35 PM	R103399
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	2/20/2024 4:00:48 PM	R103224
Nitrogen, Nitrate (As N)	16	0.50	*	mg/L	5	2/20/2024 4:00:48 PM	R103224
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KS
Total Dissolved Solids	2270	50.0	*	mg/L	1	2/26/2024 11:23:00 AM	80593
EPA 351.2: TKN						Analyst	: EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/27/2024 4:18:00 PM	80635

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

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

**EA** Engineering

**Client:** 

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2402898** 

06-Mar-24

Project:	Buena Vista Dairy 2													
Sample ID: MB	SampType	e: MBLK	TestCode: EPA Method 300.0: Anions											
Client ID: PBW	Batch ID	D: <b>R103224</b>	R	unNo: <b>10</b>	3224									
Prep Date:	Analysis Date	e: <b>2/20/2024</b>	S	SeqNo: 38	17217	Units: mg/L								
Analyte	Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Nitrogen, Nitrite (As N)		0.10												
Nitrogen, Nitrate (As N)	ND	0.10												
Sample ID: LCS	SampType	e: <b>LCS</b>	Tes	tCode: EP	A Method	300.0: Anions	5							
Client ID: LCSW	Batch ID	D: <b>R103224</b>	R	tunNo: <b>10</b>	3224									
Prep Date:	Analysis Date	e: <b>2/20/2024</b>	S	SeqNo: 38	17218	Units: mg/L								
Analyte	Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Nitrogen, Nitrite (As N)		0.10 1.000	0	95.2	90	110								
Nitrogen, Nitrate (As N)	2.4	0.10 2.500	0	97.7	90	110								
Sample ID: 240289	98-003AMS SampType	e: MS	TestCode: EPA Method 300.0: Anions											
Client ID: <b>74-05</b>	Batch ID	D: <b>R103224</b>	R	tunNo: <b>10</b>	3224									
Prep Date:	Analysis Date	e: <b>2/20/2024</b>	S	SeqNo: 38	17230	Units: mg/L								
Analyte	Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Nitrogen, Nitrite (As N)		0.50 5.000	0	94.6	80	120								
Nitrogen, Nitrate (As N)	29	0.50 12.50	16.29	103	80	120								
Sample ID: 240289	98-003AMSD SampType	e: MSD	Tes	tCode: EP	A Method	300.0: Anions	3							
Client ID: <b>74-05</b>	Batch ID	D: <b>R103224</b>	R	tunNo: <b>10</b>	3224									
Prep Date:	Analysis Date	e: <b>2/20/2024</b>	S	SeqNo: 38	17231	Units: mg/L								
Analyte	Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Nitrogen, Nitrite (As N)		0.50 5.000	0	94.5	80	120	0.0636	20						
Nitrogen, Nitrate (As N)	29	0.50 12.50	16.29	103	80	120	0.0956	20						
Sample ID: MB	SampType	e: <b>mblk</b>	Tes	tCode: <b>EP</b>	A Method	300.0: Anions	5							
Client ID: PBW	Batch ID	D: <b>R103399</b>	R	tunNo: <b>10</b>	3399									
Prep Date:	Analysis Date	e: <b>2/28/2024</b>	S	SeqNo: 38	25620	Units: mg/L								
Analyte	Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Chloride	ND	0.50												
Sample ID: LCS	SampType	e: lcs	Tes	tCode: <b>EP</b>	A Method	300.0: Anions	· · · · ·							
Client ID: LCSW	Batch ID	D: <b>R103399</b>	R	unNo: <b>10</b>	3399									
Prep Date:	Analysis Date	e: <b>2/28/2024</b>	S	SeqNo: 38	25621	Units: mg/L								
Analyte	Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Chloride	5.0	0.50 5.000	0	100	90	110								

#### Qualifiers:

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

Page 4 of 6

### Hall Environmental Analysis Laboratory, Inc.

1010

WO#: 2402898

06-Mar-24

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

Sample ID: MB-80593 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80593 RunNo: 103313

Prep Date: 2/22/2024 SeqNo: 3821214 Analysis Date: 2/26/2024 Units: mg/L

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

**Total Dissolved Solids** ND 50.0

Total Dissolved Solids

Sample ID: LCS-80593 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80593 RunNo: 103313

Prep Date: 2/22/2024 Analysis Date: 2/26/2024 SeqNo: 3821215 Units: mg/L

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

101

120

Sample ID: 2402898-001ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

1000

Client ID: 74-01 Batch ID: 80593 RunNo: 103313

50.0

Prep Date: 2/22/2024 Analysis Date: 2/26/2024 Units: mg/L SeqNo: 3821217

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

Total Dissolved Solids 3050 50.0 0.131

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

POL Practical Quanitative Limit

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

В Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit RL

Page 5 of 6

**EA** Engineering

**Client:** 

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2402898** 

06-Mar-24

Project:	Buena Vista Dairy	2									
Sample ID: MB-8	<b>0635</b> Samp	Type: <b>MBLK</b>	TestC	ode: <b>EPA 351.2:</b> T	ΓKN						
Client ID: PBW	Bate	ch ID: 80635	Rur	nNo: <b>103373</b>							
Prep Date: 2/26	6/2024 Analysis	Date: 2/27/2024	Sec	qNo: <b>3824305</b>	Units: mg/L						
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Nitrogen, Kjeldahl, Tot	al ND	0.50									
Sample ID: LCSL	<b>.L-80635</b> Samp	Type: <b>LCSLL</b>	TestC	ode: EPA 351.2: T	ΓKN						
Client ID: Batcl	n <b>QC</b> Bate	ch ID: 80635	Rur	nNo: <b>103373</b>							
Prep Date: 2/26	6/2024 Analysis	Date: <b>2/27/2024</b>	Sec	qNo: <b>3824306</b>	Units: mg/L						
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Nitrogen, Kjeldahl, Tot	al 0.47	0 0.5000	0	93.8 50	150						
Sample ID: LCS-	<b>80635</b> Samp	SampType: LCS TestCode: EPA 351.2: TKN									
Client ID: LCSV	<b>V</b> Bate	ch ID: 80635	Rur	nNo: <b>103373</b>							
Prep Date: 2/26	6/2024 Analysis	Date: 2/27/2024	Sec	qNo: <b>3824307</b>	Units: mg/L						
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Nitrogen, Kjeldahl, Tot	al 9.9	0.50 10.00	0	99.5 90	110						
Sample ID: MB-8	<b>0662</b> Samp	Type: <b>MBLK</b>	TestC	ode: <b>EPA 351.2: T</b>	ΓKN						
Client ID: PBW	Bate	ch ID: 80662	Rur	nNo: <b>103386</b>							
Prep Date: 2/27	7/2024 Analysis	Date: <b>2/28/2024</b>	Sec	qNo: <b>3824577</b>	Units: mg/L						
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Nitrogen, Kjeldahl, Tot	al ND	0.50									
Sample ID: LCSL	<b>.L-80662</b> Samp	Type: <b>LCSLL</b>	TestC	ode: <b>EPA 351.2: T</b>	ΓKN						
Client ID: Batcl	n <b>QC</b> Bate	ch ID: 80662	Rur	nNo: <b>103386</b>							
Prep Date: 2/27	7/2024 Analysis	Date: 2/28/2024	Sec	qNo: <b>3824578</b>	Units: mg/L						
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Nitrogen, Kjeldahl, Tot	al 0.50	0.50 0.5000	0	100 50	150						
Sample ID: LCS-	80662 Samp	Type: <b>LCS</b>	TestC	ode: <b>EPA 351.2: T</b>	ΓKN	<u> </u>					
Client ID: LCSV	<b>V</b> Bate	ch ID: 80662	Rur	nNo: <b>103386</b>							
Prep Date: 2/27	7/2024 Analysis	Date: <b>2/28/2024</b>	Sec	qNo: <b>3824579</b>	Units: mg/L						
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Nitrogen, Kjeldahl, Tot	al 10	0.50 10.00	0	101 90	110						

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



# Environment Testin

Eurofins Environment Testing South Central, LLC

4901 Hawkins NE Albuquerque, NM 87109

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

# Sample Log-In Check List

Client Name: EA Engineering Work Ord	er Number: 2402898		RcptNo: 1	
Received By: Desiree Dominguez 2/20/2024 8	:30:00 AM	D3		
Completed By: Desiree Dominguez 2/20/2024 9	:23:01 AM	B		
Reviewed By: 2/20/2	24			
Chain of Custody			-	
1. Is Chain of Custody complete?	Yes 🗹	No 🗔	Not Present 🗌	
2. How was the sample delivered?	<u>FedEx</u>			
Log In  3. Was an attempt made to cool the samples?	Yes <b>▼</b>	No 🗆	NA 🗆	
,				
4. Were all samples received at a temperature of >0° C to 6.	0°C Yes ✓	No 🗌	na 🗌	
5. Sample(s) in proper container(s)?	Yes 🗹	No 🗌		
6. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?	Yes 🗌	No 🗸	NA 🗆	
9. Received at least 1 vial with headspace <1/4" for AQ VOA	? Yes 🗌	No 🗆	NA 🗹	
10. Were any sample containers received broken?	Yes	No 🗹	# of preserved	
		🖂	bottles checked	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗆	for pH: (<2)or >12 unless n	noted)
2. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗌	Adjusted?	
3. Is it clear what analyses were requested?	Yes 🗹	No 🗆	- 1	. 1
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗆	Checked by: 74 2/2	201.
Special Handling (if applicable)				
15. Was client notified of all discrepancies with this order?	Yes $\square$	No 🗆	NA 🗹	
Person Notified:	Date:			
By Whom:	Via: eMail	Phone 🗌 Fax	In Person	
Regarding:				
Client Instructions:				
16. Additional remarks:				
17. Cooler Information				
Cooler No Temp °C Condition Seal Intact Set	eal No Seal Date	Signed By		

HALL ENVIRONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	300	)D G C	0 С WC 200	5003 540 540	HOLI W S W S	Chloric TDS S Sulfate	イドスト	XXXX	XXXX						Remarks:		A make and doth will be clearly notated on the analytical report.
Turn-Around Time:	Standard 🗆 Rush	Project Name:	Buena Vista Dairy 2	Project #:		Project Manager:	Gina Mullen	Sampler: Angel N. Rivera On Ice: ଔ Yes □ No	olers: 1	Cooler Templinated BFI: 1, 5-0, 1=1,4°c	Container Preservative AHEAL No. Type and # Type	2 -001	200-	2 -003					- 12	Received by: Via: Date Time	d by: Via: Date	
Chain-of-Custody Record		FA Frompeding Science, and Technology			505-715-4279	en@eaest.com	□ Level 4 (Full Validation)				Matrix Sample Name	10-ht	3	9.LV						Relinquished by:	Relinquished by:	
Chain-c	Client:	=A Engineering 5	Mailing Address:	320 Gold Ave SW Suite	Phone #:	ax#:	QA/QC Package:	1	□ EDD (Type)		Date Time	10:24	12:40	14.50	2.7					Date: Time:	Date: Time:	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

March 12, 2024

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

RE: Del Oro Dairy OrderNo.: 2402D20

### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 2 sample(s) on 2/28/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2402D20

Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/12/2024

**CLIENT:** EA Engineering Client Sample ID: 692-02

**Project:** Del Oro Dairy Collection Date: 2/27/2024 12:46:00 PM 2402D20-001 Lab ID: Matrix: GROUNDWA Received Date: 2/28/2024 8:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: <b>RBC</b>
Chloride	480	50	*	mg/L	100	2/28/2024 11:59:46 AM	1 R103397
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/28/2024 11:21:11 AM	1 R103397
Nitrogen, Nitrate (As N)	23	1.0	*	mg/L	10	2/28/2024 11:21:11 AM	1 R103397
Sulfate	290	5.0	*	mg/L	10	2/28/2024 11:21:11 AM	1 R103397
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	t: <b>KS</b>
Total Dissolved Solids	1850	50.0	*	mg/L	1	3/4/2024 6:52:00 PM	80756
EPA 351.2: TKN						Analys	t: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	3/4/2024 4:17:00 PM	80769

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

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

Lab Order **2402D20** 

Date Reported: 3/12/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: EW-04

 Project:
 Del Oro Dairy
 Collection Date: 2/27/2024 2:15:00 PM

 Lab ID:
 2402D20-002
 Matrix: GROUNDWA
 Received Date: 2/28/2024 8:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	: RBC
Chloride	500	50	*	mg/L	100	2/28/2024 12:25:30 PM	1 R103397
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/28/2024 12:12:39 PM	1 R103397
Nitrogen, Nitrate (As N)	24	1.0	*	mg/L	10	2/28/2024 12:12:39 PM	I R103397
Sulfate	290	5.0	*	mg/L	10	2/28/2024 12:12:39 PM	1 R103397
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	: KS
Total Dissolved Solids	1860	50.0	*	mg/L	1	3/4/2024 6:52:00 PM	80756
EPA 351.2: TKN						Analys	: EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	3/4/2024 4:21:00 PM	80769

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

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

# Hall Environmental Analysis Laboratory, Inc.

WO#: 2402D20

12-Mar-24

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

Sample ID: MB SampType: MBLK TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: R103397 RunNo: 103397

Prep Date: Analysis Date: 2/28/2024 SeqNo: 3825184 Units: mg/L

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

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

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

Client ID: Batch ID: R103397 RunNo: 103397

Prep Date: Analysis Date: 2/28/2024 SeqNo: 3825185 Units: mg/L

**RPDLimit** POL SPK value SPK Ref Val %REC HighLimit %RPD Analyte Result LowLimit Qual 4.9 0.50 5.000 0 97.5 90 110 Chloride 0.10 0 104 90 Nitrogen, Nitrite (As N) 1.0 1.000 110 Nitrogen, Nitrate (As N) 2.6 0.10 2.500 0 102 90 110 Sulfate 9.9 0.50 0 98.9 90 10.00 110

Sample ID: 2402D20-001AMS SampType: MS TestCode: EPA Method 300.0: Anions

Client ID: 692-02 Batch ID: R103397 RunNo: 103397

Prep Date: Analysis Date: 2/28/2024 SeqNo: 3825204 Units: mg/L %RPD **RPDLimit** Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit Qual Nitrogen, Nitrite (As N) 10 1.0 10.00 0 100 80 120 Nitrogen, Nitrate (As N) 48 1.0 25.00 23.29 101 80 120 Sulfate 380 5.0 100.0 286.0 91.4 മറ 120

Sample ID: 2402D20-001AMSD SampType: MSD TestCode: EPA Method 300.0: Anions

Client ID: Batch ID: R103397 692-02 RunNo: 103397

Prep Date: Analysis Date: 2/28/2024 SeqNo: 3825205 Units: mg/L

%RPD **RPDLimit** Analyte **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit Qual Result Nitrogen, Nitrite (As N) 9.9 1.0 10.00 98.7 80 120 1.48 20 Nitrogen, Nitrate (As N) 48 1.0 25.00 23.29 100 80 120 0.402 20 Sulfate 380 5.0 100.0 286.0 92.6 80 120 0.326 20

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

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

В Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 3 of 5

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402D20** 

12-Mar-24

Client: EA Engineering
Project: Del Oro Dairy

Sample ID: MB-80756 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80756 RunNo: 103497

Prep Date: 3/3/2024 Analysis Date: 3/4/2024 SeqNo: 3830022 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-80756 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80756 RunNo: 103497

Prep Date: 3/3/2024 Analysis Date: 3/4/2024 SeqNo: 3830023 Units: mg/L

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

Total Dissolved Solids 1000 50.0 1000 0 100 80 120

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402D20

12-Mar-24

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

Sample ID: MB-80769 SampType: MBLK TestCode: EPA 351.2: TKN

Client ID: PBW Batch ID: 80769 RunNo: 103514

Prep Date: 3/4/2024 Analysis Date: 3/4/2024 SeqNo: 3830950 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 0.50

Sample ID: LCSLL-80769 SampType: LCSLL TestCode: EPA 351.2: TKN

Client ID: BatchQC Batch ID: 80769 RunNo: 103514

Prep Date: 3/4/2024 Analysis Date: 3/4/2024 SeqNo: 3830951 Units: mg/L

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

Nitrogen, Kjeldahl, Total 0.44 0 0.5000 0 87.6 150

Sample ID: LCS-80769 SampType: LCS TestCode: EPA 351.2: TKN

Client ID: LCSW Batch ID: 80769 RunNo: 103514

Prep Date: 3/4/2024 Analysis Date: 3/4/2024 SeqNo: 3830952 Units: mg/L

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

10.00 Nitrogen, Kjeldahl, Total 0.50 110

Sample ID: 2402D20-001AMS SampType: MS TestCode: EPA 351.2: TKN

Client ID: 692-02 RunNo: 103514 Batch ID: 80769

Prep Date: 3/4/2024 Analysis Date: 3/4/2024 SeqNo: 3830968 Units: mg/L

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

Nitrogen, Kjeldahl, Total 6.3 0.50 10.00 62.9 110 S

Sample ID: 2402D20-001AMSD TestCode: EPA 351.2: TKN SampType: MSD

Client ID: 692-02 Batch ID: 80769 RunNo: 103514

Prep Date: 3/4/2024 Analysis Date: 3/4/2024 SeqNo: 3830969 Units: mg/L

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual RS Nitrogen, Kjeldahl, Total 4.5 0.50 10.00 45.3 90 110 32.5 20

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

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

R Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit



## Eurofins Environment Testing South Central, LLC

4901 Hawkins NE Albuquerque, NM 87109

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

## Sample Log-In Check List

Client Name: **EA Engineering** Work Order Number: 2402D20 RcptNo: 1 Mulm Nick Lowmen Received By: 2/28/2024 8:38:00 AM Completed By: Desiree Dominguez 2/28/2024 8:39:55 AM 2/28/24 Reviewed By: Chain of Custody No 🗌 Yes 🗸 Not Present 1. Is Chain of Custody complete? 2. How was the sample delivered? FedEx Log In NA 🔲 Yes 🔽 No 🗌 3. Was an attempt made to cool the samples? No 🗌 Yes V NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Samples not frozen No 🗌 5. Sample(s) in proper container(s)? Yes 🗹 Yes 🗹 No 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 🔲 No 🗹 NA 🔲 8. Was preservative added to bottles? Yes ___ NA 🗹 Yes No 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No 🗸 Үев 🗌 10. Were any sample containers received broken? # of preserved bottles checked No 🗌 Yes 🗸 for pH: 11. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? NO No 🗔 12 Are matrices correctly identified on Chain of Custody? 13. Is it clear what analyses were requested? Yes 🗸 No 🗌 Checked by: 2/28/24 No 🗌 14. Were all holding times able to be met? Yes 🗸 (If no, notify customer for authorization.) Special Handling (if applicable) Yes 🗌 No 🗌 NA 🔽 15. Was client notified of all discrepancies with this order? Person Notified: Date: By Whom: eMail Phone Fax In Person Via: Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Seal Date Cooler No Temp °C Condition Seal Intact | Seal No Signed By 1.0 Good Not Present Morty

Cha	in-of-Cu	Chain-of-Custody Record	Turn-Around Time:	Time:				į	1	1						
Client:			Standard	□ Rush				Ì			HALL ENVIRONMENTAL ANALYSTS LABOBATOBY		AE,		7	
EA Enginee	ring, Science,	EA Engineering, Science, and Technology	Project Name:	İ			5	\$	w.halle	nviron	www.hallenvironmental.com	E OS	2	)	2	
Mailing Add	ress:		Del Oro Dairy			4	01 Ha	wkins	ЦN	Albudia	4901 Hawkins NF - Albuquerane NM 87109	NM 87	7100			
320 Gold Av	320 Gold Ave SW Suite		Project #:			: <b>-</b>	Tel 506	505-345-3975	3975	F. 24.5	505-345-4107	5.410	2 -			
Phone #:	505-715-4279	4279							An	alysis	Analysis Request	st				7 7
email or Fax#:	#:	rmullen@eaest.com	Project Manager:	ger:		00		H			H		H	H		
QA/QC Package:	age:			Gina Mullen		 E boi										
□ Standard		☐ Level 4 (Full Validation)				leth	Э C	<u>D</u>		801						
Accreditation:		mpliance	Sampler: On Ice:	Angel N. Rivera		——— И АЧЭ				∙09 ∀						
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Date Time	le Matrix	Sample Name	Container Type and #	Preservative L	HEAL No.		LKN SV	Shloride Ne en	əlfate	oudsou	otal Su					
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

March 12, 2024

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

RE: Del Oro Dairy OrderNo.: 2402E14

### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 2/29/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2402E14** 

Date Reported: 3/12/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-09

 Project:
 Del Oro Dairy
 Collection Date: 2/28/2024 10:43:00 AM

 Lab ID:
 2402E14-001
 Matrix: GROUNDWA
 Received Date: 2/29/2024 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: SNS
Chloride	400	50	*	mg/L	100	2/29/2024 11:01:17 PM	A103429
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/29/2024 10:22:42 PM	A103429
Nitrogen, Nitrate (As N)	4.4	1.0		mg/L	10	2/29/2024 10:22:42 PM	A103429
Sulfate	210	5.0		mg/L	10	2/29/2024 10:22:42 PM	A103429
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: КСВ
Total Dissolved Solids	1380	100	*D	mg/L	1	3/5/2024 4:52:00 PM	80765
EPA 351.2: TKN						Analyst	: EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	3/5/2024 4:52:00 PM	80787

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

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

### Lab Order **2402E14**

Date Reported: 3/12/2024

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-05

 Project:
 Del Oro Dairy
 Collection Date: 2/28/2024 12:05:00 PM

 Lab ID:
 2402E14-002
 Matrix: GROUNDWA
 Received Date: 2/29/2024 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF 1	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	SNS
Chloride	420	50	*	mg/L	100	2/29/2024 11:27:01 PM	A103429
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/29/2024 11:14:09 PM	A103429
Nitrogen, Nitrate (As N)	16	1.0	*	mg/L	10	2/29/2024 11:14:09 PM	A103429
Sulfate	280	5.0	*	mg/L	10	2/29/2024 11:14:09 PM	A103429
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KCB
Total Dissolved Solids	1570	100	*D	mg/L	1	3/5/2024 4:52:00 PM	80765
EPA 351.2: TKN						Analyst	EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	3/5/2024 4:56:00 PM	80787

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

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

Lab Order 2402E14

Date Reported: 3/12/2024

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering Client Sample ID: 692-06

**Project:** Del Oro Dairy **Collection Date:** 2/28/2024 2:18:00 PM 2402E14-003 Lab ID: Matrix: GROUNDWA Received Date: 2/29/2024 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	SNS
Chloride	400	50	*	mg/L	100	2/29/2024 11:52:45 PM	A103429
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/29/2024 11:39:53 PM	A103429
Nitrogen, Nitrate (As N)	4.3	1.0		mg/L	10	2/29/2024 11:39:53 PM	A103429
Sulfate	210	5.0		mg/L	10	2/29/2024 11:39:53 PM	A103429
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KCB
Total Dissolved Solids	1450	100	*D	mg/L	1	3/5/2024 4:52:00 PM	80765
EPA 351.2: TKN						Analyst	EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	3/5/2024 4:58:00 PM	80787

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

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

Lab Order **2402E14** 

Date Reported: 3/12/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 692-07

 Project:
 Del Oro Dairy
 Collection Date: 2/28/2024 3:52:00 PM

 Lab ID:
 2402E14-004
 Matrix: GROUNDWA
 Received Date: 2/29/2024 8:45:00 AM

Result **RL Qual Units DF** Date Analyzed Batch **Analyses EPA METHOD 300.0: ANIONS** Analyst: SNS Chloride 510 50 mg/L 100 3/1/2024 12:18:27 AM A103429 Nitrogen, Nitrite (As N) ND 1.0 3/1/2024 12:05:36 AM A103429 mg/L Nitrogen, Nitrate (As N) 3.0 1.0 mg/L 3/1/2024 12:05:36 AM A103429 210 3/1/2024 12:05:36 AM A103429 5.0 mg/L SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: KCB 3/5/2024 4:52:00 PM **Total Dissolved Solids** 80765 1590 100 *D mg/L **EPA 351.2: TKN** Analyst: EAH mg/L Nitrogen, Kjeldahl, Total ND 0.50 3/5/2024 4:59:00 PM 80787

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

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

# Hall Environmental Analysis Laboratory, Inc.

WO#: 2402E14

12-Mar-24

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

Sample ID: MB SampType: MBLK TestCode: EPA Method 300.0: Anions Client ID: PBW Batch ID: A103429 RunNo: 103429

Prep Date: Analysis Date: 2/29/2024 SeqNo: 3827031 Units: mg/L

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

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

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

Client ID: Batch ID: A103429 RunNo: 103429

Prep Date: Analysis Date: 2/29/2024 SeqNo: 3827032 Units: mg/L

**RPDLimit** Result POL SPK value SPK Ref Val %REC HighLimit %RPD Analyte LowLimit Qual 4.8 0.50 5.000 0 96.9 90 110 Chloride 0 0.99 0.10 99.4 90 Nitrogen, Nitrite (As N) 1.000 110 Nitrogen, Nitrate (As N) 2.5 0.10 2.500 0 102 90 110 Sulfate 9.9 0.50 0 98.6 90 10.00 110

Sample ID: 2402E14-001AMS SampType: MS TestCode: EPA Method 300.0: Anions

Client ID: 692-09 Batch ID: A103429 RunNo: 103429

Prep Date: Analysis Date: 2/29/2024 SeqNo: 3827042 Units: mg/L %RPD **RPDLimit** Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit Qual Nitrogen, Nitrite (As N) 9.5 1.0 10.00 0.1636 93.9 80 120 Nitrogen, Nitrate (As N) 29 1.0 25.00 4.432 98.3 80 120 Sulfate 310 5.0 100.0 211.7 93.8 മറ 120

TestCode: EPA Method 300.0: Anions Sample ID: 2402E14-001AMSD SampType: MSD

Client ID: 692-09 Batch ID: A103429 RunNo: 103429

Prep Date: Analysis Date: 2/29/2024 SeqNo: 3827043 Units: mg/L

**RPDLimit** LowLimit %RPD Analyte **PQL** SPK value SPK Ref Val %REC HighLimit Qual Result Nitrogen, Nitrite (As N) 9.7 1.0 10.00 0.1636 95.7 80 120 1.92 20 Nitrogen, Nitrate (As N) 29 1.0 25.00 4.432 100 80 120 1.67 20 Sulfate 310 5.0 100.0 211.7 98.3 80 120 1.47 20

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

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

В Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 5 of 7

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402E14

12-Mar-24

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

Total Dissolved Solids

Sample ID: MB-80765 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80765 RunNo: 103521

Analysis Date: 3/5/2024 Prep Date: 3/4/2024 SeqNo: 3831168 Units: mg/L

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

**Total Dissolved Solids** ND 50.0

Sample ID: LCS-80765 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80765 RunNo: 103521

Prep Date: 3/4/2024 Analysis Date: 3/5/2024 SeqNo: 3831169 Units: mg/L

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

102

120

Sample ID: 2402E14-003ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

1000

Client ID: 692-06 Batch ID: 80765 RunNo: 103521

50.0

1020

Prep Date: Analysis Date: 3/5/2024 SeqNo: 3831181 Units: mg/L 3/4/2024

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

Total Dissolved Solids 1410 100 2.66 *D

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

POL Practical Quanitative Limit

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

В Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit RL

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2402E14** 

12-Mar-24

<b>Client:</b>	EA Engin	eering										
Project:	Del Oro I	Dairy										
Sample ID:	MB-80787	SampTy	/pe: <b>ME</b>	BLK	Tes	tCode: <b>EF</b>	PA 351.2: 1	ΓKN				
Client ID:	PBW	Batch	ID: <b>80</b>	787	F	RunNo: <b>1</b> (	03532					
Prep Date:	3/5/2024	Analysis Da	ate: <b>3/</b>	5/2024	S	SeqNo: 38	831826	Units: mg/L				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Nitrogen, Kjelo	lahl, Total	ND	0.50									
Sample ID:	LCSLL-80787	SampTy	/pe: LC	SLL	Tes	tCode: <b>EF</b>	PA 351.2: 1	ΓKN				
Client ID:	BatchQC	Batch	ID: <b>80</b>	787	F	RunNo: <b>1</b> (	03532					
Prep Date:	3/5/2024	Analysis Da	ate: <b>3/</b>	5/2024	S	SeqNo: 38	331827	Units: mg/L				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Nitrogen, Kjelo	lahl, Total	0.50	0.50	0.5000	0	101	50	150				
Sample ID:	LCS-80787	SampTy	/pe: LC	s	Tes	tCode: <b>EF</b>	PA 351.2: 1	ΓKN				
Client ID:	LCSW	Batch	ID: <b>80</b>	787	RunNo: 103532							
Prep Date:	3/5/2024	Analysis Da	ate: <b>3/</b>	5/2024	S	SeqNo: 38	831828	Units: mg/L				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Nitrogen, Kjelo	lahl, Total	10	0.50	10.00	0	102	90	110				
Sample ID:	2402E14-001AMS	SampTy	/pe: <b>M</b> \$	3	Tes	tCode: EF	PA 351.2: 1	ΓKN				
Client ID:	692-09	Batch	ID: <b>80</b>	787	F	RunNo: <b>1</b> (	03532					
Prep Date:	3/5/2024	Analysis Da	ate: <b>3/</b>	5/2024	8	SeqNo: 38	831832	Units: mg/L				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Nitrogen, Kjelo	lahl, Total	8.8	0.50	10.00	0	87.8	90	110			S	
Sample ID:	2402E14-001AMSI	<b>S</b> ampTy	/pe: <b>M</b> \$	SD	Tes	tCode: <b>EF</b>	PA 351.2: T	ΓKN				
Client ID:	692-09	Batch	ID: <b>80</b>	787	F	RunNo: 10	03532					
Prep Date:	3/5/2024	Analysis Da	ate: <b>3/</b>	5/2024	S	SeqNo: 38	331833	Units: mg/L				

### Qualifiers:

Nitrogen, Kjeldahl, Total

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

Result

8.8

0.50

B Analyte detected in the associated Method Blank

87.9

LowLimit

90

HighLimit

110

%RPD

0.189

**RPDLimit** 

Qual

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

SPK value SPK Ref Val %REC

10.00



# Environment Testin

Eurofins Environment Testing South Central, LLC

4901 Hawkins NE Albuquerque, NM 87109

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

Website: www.hallenvironmental.com

# Sample Log-In Check List

Client N	Name:	EA Enginee	ring	Work	Order Number	: 240	2E14		Rcpi	tNo: 1	· · · · · · · · · · · · · · · · · · ·
Receive	ed By:	Nick Lou	unan	2/29/20	24 8:45:00 AN	,	ni2				
Comple	ted By:	Desiree Do	ominguez	2/29/20	24 9:50:13 AN	1		TD			
Reviewe	ed By:	ft 2-2	•								
Chain (	<i>()</i> of Cust	od <u>y</u>									
1. Is Ch	nain of Cu	stody compl	ete?			Yes	<b>V</b>	No 🗌	Not Present		
2. How	was the s	ample delive	ered?			Fed	<u>Ex</u>				
Log Ir								$\Box$	[	$\neg$	
3. Was	an attem	ot made to c	ool the sampl	es?		Yes	V	No 🗔	NA L		
4. Were	all samp	les received	at a temperat	ure of >0° C	to 6.0°C	Yes		No 🗌	NA [		
5. Sami	nle(s) in n	roper contain	ner(s)?			San Yes	ples not f	rozen No 🗌			
	r(-) p	· · · · · · · · · · · · · · · · · · ·									
6. Suffic	ient samp	ole volume fo	or indicated te	st(s)?		Yes	<b>V</b>	No 🗌			
7. Are s	amples (e	xcept VOA a	and ONG) pro	perly preserve	ed?	Yes	<b>Y</b>	No 🗌			
8. Was	preservat	ive added to	bottles?			Yes		No 🗹	NA L		
9. Recei	ived at lea	ast 1 vial with	n headspace <	<1/4" for AQ V	OA?	Yes		No 🗌	NA 🕨		
10. Were	any sam	ple containe	rs received br	roken?		Yes		No 🗸	# -6		
									# of preserved bottles checked	a i	
		k match bot				Yes	$\checkmark$	No 📙	for pH:	2)or >12 unle	es noted)
-	-		in of custody) ified on Chair			Yes	<b>~</b>	No 🗌	Adjusted?	- 100	
			re requested?			Yes	~	No 🗌		-	
14.Were	all holdin	g times able	to be met?			Yes	<b>~</b>	No 🗌	Checked by	1:M 2	29/24
		ng (if app	uthorization.)								
				vith this order?	<b>&gt;</b>	Yes		No 🗆	NA 🛚	<b>/</b>	
	Person i	Notified: I			Date:						
	By Who			-	Via:	eM	ail 🗌 Ph	one 🦳 Fax	☐ In Person		
	Regardir	ng: j		-						•	
	Client In	structions:									
16. Addi	itional ren	narks:									
17. <u>Co</u> o	ler Inform	nation									
	ooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal D	ate S	Signed By			
1		0.7	Good	Not Present	Morty						

Chain	Chain-of-Custody Record	Tum-Around Time:	Time:		HALL ENVI	HALL ENVIRONMENTAL
Client:		☑ Standard	□ Rush		ANALYSIS	LABORATORY
	Soione and Technology	Project Name			www.hallenvironmental.com	ental.com
Mailing Address:		Del Oro Dairy			4901 Hawkins NE - Albuquerc	- Albuquerque, NM 87109
70000	othic William	Project #:			Tel. 505-345-3975 Fax 50	Fax 505-345-4107
320 GOID AVE SAV SUITE	OVV Suite				Analysis Request	ednesi
Phone #:	505-715-4279	Tebenet Manager	ger.		009	
email or Fax#:	rmullen@eaest.com		Gir.			
QA/QC Package:	e: Level 4 (Full Validation)	ou)	פוווש ואומווש		OD (G C	
Accreditation:	Az Cor	Sampler: On Ice:	Angel N. Rivera	ara □ No	O C W	
INELAC Tyne)	ı	# of Coolers:	1	Moctry	49 49 49 49	ını
100		Cooler Temp	emplinding of 10.8	-0. =0.7%	Oppoi	ling.
		Container	Preservative	O HEAL No.	Phosponical Sulfat	Total
Date Time	Matrix			1000	× ×	
2-38 10.43	3 64 692-09	8		100 -	1>	
2-28 12:05		7		700-	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
81.W och	55	8		-003	지	
2.70 15.57	200	R		100-	メメメメメ	
0						
	T	Received by:	Via:	Date Time	Remarks:	
Date: Time:	Kelinduisned by:	Mich	lex.	248 pelpet		
_	-	Received by:		Date Time		
Date: Time:	Kelinquished by:					-
le neces	Ssary, samples submitted to Hall Environmental ma	y be subcontracted to other	r accredited laboratories	s. This serves as notice of	I analytical report.  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.	rly notated on the analytical report.



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

March 01, 2024

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

RE: Buena Vista Dairy 2 OrderNo.: 2402859

### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 2 sample(s) on 2/17/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2402859** 

Date Reported: 3/1/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 74-03

 Project:
 Buena Vista Dairy 2
 Collection Date: 2/16/2024 2:51:00 PM

 Lab ID:
 2402859-001
 Matrix: GROUNDWA
 Received Date: 2/17/2024 10:55:00 AM

Result **RL Qual Units DF** Date Analyzed Batch **Analyses EPA METHOD 300.0: ANIONS** Analyst: SNS Chloride 230 50 mg/L 100 2/19/2024 11:21:48 AM R103190 Nitrate+Nitrite as N 1.2 1.0 mg/L 2/19/2024 6:39:55 PM R103190 SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: KCB **Total Dissolved Solids** 2/22/2024 3:40:00 PM 80556 1800 100 *D mg/L SM 4500 NORG C: TKN Analyst: DML Nitrogen, Kjeldahl, Total ND 1.0 mg/L 2/26/2024 12:47:00 PM 80624

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

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

Lab Order **2402859** 

Date Reported: 3/1/2024

2/26/2024 12:47:00 PM 80624

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 74-02

 Project:
 Buena Vista Dairy 2
 Collection Date: 2/16/2024 4:43:00 PM

 Lab ID:
 2402859-002
 Matrix: GROUNDWA
 Received Date: 2/17/2024 10:55:00 AM

ND

Result **RL Qual Units DF** Date Analyzed Batch **Analyses EPA METHOD 300.0: ANIONS** Analyst: SNS Chloride 890 50 mg/L 100 2/19/2024 11:47:29 AM R103190 Nitrate+Nitrite as N 11 1.0 mg/L 2/19/2024 6:52:47 PM R103190 SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: KCB **Total Dissolved Solids** mg/L 2/22/2024 3:40:00 PM 80556 3250 100 *D SM 4500 NORG C: TKN Analyst: DML

2.0

D

mg/L

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

### Qualifiers:

Nitrogen, Kjeldahl, Total

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

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402859** 

01-Mar-24

Qual

Client: EA Engineering
Project: Buena Vista Dairy 2

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

Client ID: PBW Batch ID: R103190 RunNo: 103190

Prep Date: Analysis Date: 2/19/2024 SeqNo: 3816096 Units: mg/L

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

 Chloride
 ND
 0.50

 Nitrate+Nitrite as N
 ND
 0.20

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

Client ID: LCSW Batch ID: R103190 RunNo: 103190

Prep Date: Analysis Date: 2/19/2024 SeqNo: 3816097 Units: mg/L

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Chloride 4.6 0.50 5.000 0 92.7 90 3.500 0 97.2 90 Nitrate+Nitrite as N 3.4 0.20 110

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402859** 

01-Mar-24

Client: EA Engineering
Project: Buena Vista Dairy 2

Sample ID: MB-80556 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80556 RunNo: 103264

Prep Date: 2/21/2024 Analysis Date: 2/22/2024 SeqNo: 3818609 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-80556 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80556 RunNo: 103264

Prep Date: 2/21/2024 Analysis Date: 2/22/2024 SeqNo: 3818610 Units: mg/L

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

Total Dissolved Solids 995 50.0 1000 0 99.5 80 120

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402859** 

01-Mar-24

Client: EA Engineering
Project: Buena Vista Dairy 2

Sample ID: MB-80624 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 80624 RunNo: 103327

Prep Date: 2/23/2024 Analysis Date: 2/26/2024 SeqNo: 3821962 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-80624 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 80624 RunNo: 103327

Prep Date: 2/23/2024 Analysis Date: 2/26/2024 SeqNo: 3821963 Units: mg/L

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

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

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 5



# Environment Testin

Eurofins Environment Testing South Central, LLC

4901 Hawkins NE Albuquerque, NM 87109

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

# Sample Log-In Check List

Client Name:	EA Enginee	ring	Work	Order Num	ber: 240285	i9		RcptNo: 1	
Received By:	Tracy Casa	arrubias	2/17/20	24 10:55:00	) AM				
Completed By:	Tracy Casa	arrubias	2/17/20	24 10:58:37	'AM				
Reviewed By:	·ci		2/19/24	/					
			, , ,						
Chain of Cus	stody								
1. Is Chain of C	Custody compl	ete?			Yes 🛚	<b>₫</b> No		Not Present	
2. How was the	sample delive	ered?			<u>FedEx</u>				
Log In									
3. Was an atter	mpt made to co	ool the samp	les?		Yes 🗹	No		NA $\square$	
4. Were all sam	unles received	at a temnera	ture of >0° C	to 6.0°C	Yes 🔽	n No		NA 🗆	
4. Vicio all out	ipies received	at a tempera	tule of FO O	0.0 0			_		
5. Sample(s) in	proper contain	ner(s)?			Yes 🛂	No.	. []		
6. Sufficient sar	mple volume fo	or indicated te	est(s)?		Yes 🗸	No			
7. Are samples	(except VOA a	and ONG) pro	perly preserve	ed?	Yes 🗹	No			
8. Was preserve	ative added to	bottles?			Yes	] No	<b>V</b>	NA $\square$	
9. Received at I	east 1 vial with	n headspace	<1/4" for AQ V	OA?	Yes 🗆	] No		NA 🗹	
10. Were any sa	mple containe	rs received b	roken?		Yes	] No	<b>V</b>	# of preserved	•
44.5		0. 1.5.1.6			V 14	. No		bottles checked for pH: 7	
<ol><li>11. Does paperw (Note discreption)</li></ol>	ork match bot ancies on cha		)		Yes 🗸	] NO	LJ		unless noted)
12. Are matrices	correctly ident	ified on Chai	n of Custody?		Yes 🔽	No		Adjusted? No.	
13. Is it clear wha			?		Yes 🛂			01 1 11	21 10 /04
14. Were all hold	ling times able customer for a				Yes 🗸	No No	Ш	Checked by: TMC	2/17/24
Special Hand									
15. Was client n			with this order	?	Yes	No		na 🗹	
	n Notified:			Date					
By Wh	,			Via:	eMail	Phone	Fax	In Person	
Regard	ding:								
Client	Instructions:								
16. Additional re	emarks:								
17. Cooler Info	rmation					•			
Cooler N		Condition	Seal Intact	Seal No	Seal Date	Signed	Ву		
1	3.4	Good	Yes	Morty					

Chain	-of-Cu	Chain-of-Custody Record	Turn-Around Time:	Time:			I	ALL	M N	Z	HALL ENVIRONMENTAL	MEN	F	Ļ	
Client:			Standard	□ Rush			4	M	YS	S	ANALYSIS LABORATORY	8	0	Z	
EA Engineering	, Science,	EA Engineering, Science, and Technology	Project Name:				>	ww.ha	llenviro	nmer	www.hallenvironmental.com				
Mailing Address:	S:		Buena Vista Dairy 2	airy 2		4901	Hawkir	s NE	- Albu	querq	4901 Hawkins NE - Albuquerque, NM 87109	7109			
320 Gold Ave SW Suite	3W Suite		Project #:			Tel. 5	05-34	Tel. 505-345-3975	Вa	× 505	Fax 505-345-4107	7			
Phone #:	505-715-4279	-4279				(			Analysis Kequest	IS Ke	hest				
email or Fax#:		en@eaest.com	Project Manager:	jer.		300									-
QA/QC Package:	w	□ Level 4 (Full Validation)		Gina Mullen				<u>a</u>		108					
Accreditation:	l	mpliance		Angel N. Rivera	ara □ No modes	EPA N		900 C WC		09 A93					
☐ EDD (Type)	1 11				(										
			Cooler Templi	emp(including CF): 3,4	I & : SH .										
Date Time	Matrix	Sample Name	Container Type and #	Preservative 7	HEAL NO. 24,028.59	Nitrate,	Chloric	S SOT Sulfate		Phosp S latoT					
2-16 14:51	Z	Eart	α		100	X. X	×	X					-		
2-16 16:4	~	2045	7		200	X	X	×						1	
,													13		
														ĥ	13
							_								
														-	
Date: Time: 2-(6/7:5)	Relinquished by:	ng by:	Received by:	Via: Rad C	Date Time	Remarks:									
	-			and the second second	in the section of	A . Aller	4.	to popular	ad lline of	r Vicely	will be clearly notated on the analytical report	analytica	renort		

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contract



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

March 01, 2024

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

RE: Dominguez Dairy 1 OrderNo.: 2402826

### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 3 sample(s) on 2/16/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2402826

Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/1/2024

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

**Project:** Dominguez Dairy 1 Collection Date: 2/15/2024 10:40:00 AM Lab ID: 2402826-001 Matrix: GROUNDWA Received Date: 2/16/2024 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Batc	:h_
EPA METHOD 300.0: ANIONS					Analyst: SNS	;
Chloride	1700	50	*	mg/L	100 2/16/2024 12:17:48 PM R103	3158
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/16/2024 12:05:26 PM R103	3158
Nitrogen, Nitrate (As N)	7.2	1.0		mg/L	10 2/16/2024 12:05:26 PM R103	3158
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: KCB	3
Total Dissolved Solids	4320	50.0	*	mg/L	1 2/22/2024 3:40:00 PM 8055	6
SM 4500 NORG C: TKN					Analyst: <b>DML</b>	_
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1 2/26/2024 12:47:00 PM 8062	24

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

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

## Lab Order **2402826**

Date Reported: 3/1/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 624-01

 Project:
 Dominguez Dairy 1
 Collection Date: 2/15/2024 12:26:00 PM

 Lab ID:
 2402826-002
 Matrix: GROUNDWA
 Received Date: 2/16/2024 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Batch	1
EPA METHOD 300.0: ANIONS					Analyst: SNS	
Chloride	860	50	*	mg/L	100 2/16/2024 12:42:29 PM R1031	158
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/16/2024 12:30:09 PM R1031	158
Nitrogen, Nitrate (As N)	17	1.0	*	mg/L	10 2/16/2024 12:30:09 PM R1031	158
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: <b>KCB</b>	
Total Dissolved Solids	2730	50.0	*	mg/L	1 2/22/2024 3:40:00 PM 80556	i
SM 4500 NORG C: TKN					Analyst: <b>DML</b>	
Nitrogen, Kjeldahl, Total	ND	2.0	D	mg/L	1 2/26/2024 12:47:00 PM 80624	

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

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

Lab Order **2402826** 

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/1/2024

CLIENT: EA Engineering Client Sample ID: 624-02

 Project:
 Dominguez Dairy 1
 Collection Date: 2/15/2024 3:20:00 PM

 Lab ID:
 2402826-003
 Matrix: GROUNDWA
 Received Date: 2/16/2024 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					А	nalyst: SNS	
Chloride	690	50	*	mg/L	100 2/16/2024 1:07:1	2 PM R10315	58
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/16/2024 12:54	50 PM R10315	58
Nitrogen, Nitrate (As N)	7.6	1.0		mg/L	10 2/16/2024 12:54	50 PM R10315	58
SM2540C MOD: TOTAL DISSOLVED SOLIDS					А	nalyst: <b>KCB</b>	
Total Dissolved Solids	2640	50.0	*	mg/L	1 2/22/2024 3:40:0	0 PM 80556	
SM 4500 NORG C: TKN					A	nalyst: <b>DML</b>	
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1 2/26/2024 12:47	00 PM 80624	

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

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

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2402826** 

01-Mar-24

Client: EA Engineering
Project: Dominguez Dairy 1

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

Client ID: PBW Batch ID: R103158 RunNo: 103158

Prep Date: Analysis Date: 2/16/2024 SeqNo: 3814836 Units: mg/L

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

 Chloride
 ND
 0.50

 Nitrogen, Nitrite (As N)
 ND
 0.10

 Nitrogen, Nitrate (As N)
 ND
 0.10

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

Client ID: LCSW Batch ID: R103158 RunNo: 103158

Prep Date: Analysis Date: 2/16/2024 SeqNo: 3814837 Units: mg/L

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.50 5.000 0 96.3 90 Chloride 4.8 110 Nitrogen, Nitrite (As N) 0.99 0.10 1.000 0 99.1 90 110 0 Nitrogen, Nitrate (As N) 0.10 2.500 102 90 2.5 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402826** 

01-Mar-24

Client: EA Engineering
Project: Dominguez Dairy 1

Sample ID: MB-80556 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80556 RunNo: 103264

Prep Date: 2/21/2024 Analysis Date: 2/22/2024 SeqNo: 3818609 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-80556 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80556 RunNo: 103264

Prep Date: 2/21/2024 Analysis Date: 2/22/2024 SeqNo: 3818610 Units: mg/L

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

Total Dissolved Solids 995 50.0 1000 0 99.5 80 120

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 6

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402826** 

01-Mar-24

Client: EA Engineering
Project: Dominguez Dairy 1

Sample ID: MB-80624 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 80624 RunNo: 103327

Prep Date: 2/23/2024 Analysis Date: 2/26/2024 SeqNo: 3821962 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-80624 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 80624 RunNo: 103327

Prep Date: 2/23/2024 Analysis Date: 2/26/2024 SeqNo: 3821963 Units: mg/L

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

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

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 6



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

# Sample Log-In Check List

Client N	Name: I	EA Engine	ering	Work	Order Numbe	r: <b>240</b> 2	2826		Rcptl	No: 1
Receive Comple Reviewe	ted By:	Tracy Cas Tracy Cas			24 8:30:00 AM 24 8:52:35 AM /2 U					
1. Is Ch		o <b>dy</b> stody comp ample deliv				Yes <u>Fedl</u>		No 🗌	Not Present	
<u>Log Ir</u> 3. Was	-	t made to c	ool the sampl	es?		Yes	<b>V</b>	No 🗆	NA 🗆	
4. Were	all sample	es received	at a tempera	ture of >0° C	to 6.0°C	Yes	V	No 🗌	NA 🗆	
5. Sam	ole(s) in pr	oper contai	ner(s)?			Yes	<b>V</b>	No 🗌		
7. Are s	amples (ex	xcept VOA		est(s)? operly preserve	ed?	Yes Yes		No ☐ No ☐ No ☑	NA 🗆	
		ve added to st 1 vial wit		<1/4" for AQ V	OA?	Yes		No 🗆	NA ☑	
			ers received b			Yes		No 🗸	# of preserved	
		k match bot	tle labels? ain of custody	)		Yes	<b>✓</b>	No 🗆		or >12 unless noted)
			tified on Chair			Yes		No 🗌	Adjusted?	No
14. Were	all holding	g times able	ere requested to be met? uthorization.)	?		Yes Yes		No □ No □	Checked by:	5/10/12 Ens
Special	Handlir	ng (if app	licable)							
15.Was	client noti	fied of all di	screpancies v	vith this order?	•	Yes		No 🗌	NA 🗹	]
	Person N By Whon Regardin Client Ins	n:			Date: <b>∫</b> Via:	eMa	ail [	Phone Fax	☐ In Person	
16. Add	itional rem	arks:		1 <u>5</u>		-		- 1		
	ler Inform ooler No	nation Temp °C 0.2	Condition Good	Seal Intact Not Present		Seal Da	ate	Signed By		

Chain-of-Custody Record	Turn-Around Time:	HALL ENVIRONMENTAL
Client	Standard 🗆 Rush	ANALYSIS LABORATORY
EA Engineering, Science, and Technology	Project Name:	www.hallenvironmental.com
Mailing Address:	Dominguez Dairy 1	4901 Hawkins NE - Albuquerque, NM 87109
320 Gold Ave SW Suite	Project #:	Tel. 505-345-3975 Fax 505-345-4107
Phone #: 505-715-4279		Analysis Request
Fax#:	Project Manager:	300
QA/QC Package:	Gina Mullen	•
☐ Standard ☐ Level 4 (Full Validation)		OD G C
İ	Angel N. Rive	10R
□ NELAC □ Other	Unice: Wires I No mork	00 N 300 300 300
□ EDD (Type)	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Sn. ∀c 7d≣ 7d≡
	Cooler remp(including CF): 0.2 ± 0 = 0.2	IOU
Date Time Matrix Sample Name	Container Preservative HEAL No.	Mitrate TKN 5 Chlorid TDS 5 Sulfate
10,4p		
D:26 G.		
15.20 GW		
Date: Time: Relinquished by: 2-(\$   0:50    1	by: Via: Fed Ex Date	Remarks:
Date: Time: Refinquished by:	Received by: Via: Date Time	
If necessary, samples submitted to Hall Environmental may be su	subcontracted to other accredited laboratories. This serves as notice	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.



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

March 01, 2024

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

RE: Dominquez Dairy 1 OrderNo.: 2402860

### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 2 sample(s) on 2/17/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

Only

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2402860** 

Date Reported: 3/1/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 624-09

 Project:
 Dominquez Dairy 1
 Collection Date: 2/16/2024 10:25:00 AM

 Lab ID:
 2402860-001
 Matrix: GROUNDWA
 Received Date: 2/17/2024 10:55:00 AM

Analyses	Result	RL	Qual	Units	DF Da	ate Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	SNS
Chloride	360	50	*	mg/L	100 2	/19/2024 1:04:27 PM	R103190
Nitrate+Nitrite as N	3.7	1.0		mg/L	5 2	/19/2024 7:05:37 PM	R103190
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst:	KCB
Total Dissolved Solids	1940	100	*D	mg/L	1 2	/22/2024 3:40:00 PM	80556
SM 4500 NORG C: TKN						Analyst:	DML
Nitrogen, Kjeldahl, Total	ND	1.0		mg/L	1 2	/26/2024 12:47:00 PM	80624

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

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

## Lab Order **2402860**

Date Reported: 3/1/2024

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 624-10

 Project:
 Dominquez Dairy 1
 Collection Date: 2/16/2024 12:24:00 PM

 Lab ID:
 2402860-002
 Matrix: GROUNDWA
 Received Date: 2/17/2024 10:55:00 AM

**Analyses** Result **RL Qual Units DF** Date Analyzed Batch **EPA METHOD 300.0: ANIONS** Analyst: SNS 100 2/19/2024 1:30:10 PM Chloride 620 50 mg/L R103190 Nitrate+Nitrite as N 1.0 1.0 mg/L 2/19/2024 7:18:25 PM R103190 SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: KCB **Total Dissolved Solids** 2/22/2024 3:40:00 PM 80556 3180 100 *D mg/L SM 4500 NORG C: TKN Analyst: DML Nitrogen, Kjeldahl, Total ND 1.0 mg/L 2/26/2024 12:47:00 PM 80624

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

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

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402860** 

Qual

01-Mar-24

Client: EA Engineering
Project: Dominquez Dairy 1

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

Client ID: PBW Batch ID: R103190 RunNo: 103190

Prep Date: Analysis Date: 2/19/2024 SeqNo: 3816096 Units: mg/L

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

 Chloride
 ND
 0.50

 Nitrate+Nitrite as N
 ND
 0.20

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

Client ID: LCSW Batch ID: R103190 RunNo: 103190

Prep Date: Analysis Date: 2/19/2024 SeqNo: 3816097 Units: mg/L

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Chloride 4.6 0.50 5.000 0 92.7 90 0.20 3.500 0 97.2 90 Nitrate+Nitrite as N 3.4 110

#### Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402860** 

01-Mar-24

Client: EA Engineering
Project: Dominquez Dairy 1

Sample ID: MB-80556 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80556 RunNo: 103264

Prep Date: 2/21/2024 Analysis Date: 2/22/2024 SeqNo: 3818609 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-80556 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80556 RunNo: 103264

Prep Date: 2/21/2024 Analysis Date: 2/22/2024 SeqNo: 3818610 Units: mg/L

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

Total Dissolved Solids 995 50.0 1000 0 99.5 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 5

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402860** 

01-Mar-24

Client: EA Engineering
Project: Dominquez Dairy 1

Sample ID: MB-80624 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 80624 RunNo: 103327

Prep Date: 2/23/2024 Analysis Date: 2/26/2024 SeqNo: 3821962 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-80624 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 80624 RunNo: 103327

Prep Date: 2/23/2024 Analysis Date: 2/26/2024 SeqNo: 3821963 Units: mg/L

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

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

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range



## Environment Testin

#### Eurofins Environment Testing South Central, LLC

4901 Hawkins NE Albuquerque, NM 87109

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

# Sample Log-In Check List

Client Name:	EA Engineering	Work Order N	lumber: 2402860		RcptNo: 1	
Received By:	Tracy Casarrubias	2/17/2024 10:5	5:00 AM			
Completed By:	Tracy Casarrubias	2/17/2024 11:1	2:54 AM			
Reviewed By:	-1-12	2/19/24				
Chain of Cus	stody					
	ustody complete?		Yes 🗹	No 🔲	Not Present	
2. How was the	sample delivered?		<u>FedEx</u>			
<u>Log In</u>			v 🖼	No 🗆	na 🗌	
3. Was an atten	npt made to cool the sam	ples?	Yes 🗹	NO L	NA L	
4. Were all sam	ples received at a temper	rature of >0° C to 6.0°C	Yes 🗹	No 🗌	NA $\square$	
5. Sample(s) in	proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient san	nple volume for indicated	test(s)?	Yes 🗹	No 🗆		
7. Are samples (	(except VOA and ONG) p	roperly preserved?	Yes 🗹	No 🗌		
8. Was preserva	ative added to bottles?		Yes	No 🔽	NA 🗆	
9. Received at le	east 1 vial with headspace	e <1/4" for AQ VOA?	Yes 🗌	No 🗆	NA 🗹	
10. Were any sar	mple containers received	broken?	Yes 🗀	No 🗹	# of preserved bottles checked	
	ork match bottle labels? ancies on chain of custoo	ly)	Yes 🗹	No 🗆	for pH: Z (a) or >12 unle	ess noted)
12. Are matrices	correctly identified on Cha	ain of Custody?	Yes 🔽	No 🗌	Adjusted? No	
13. Is it clear wha	it analyses were requeste	ed?	Yes 🗹	No 🗌		
	ing times able to be met? sustomer for authorization		Yes 🗹	No 🗔	Checked by: TMC 7	2/13/14
Special Handi	ling (if applicable)					
	otified of all discrepancies	with this order?	Yes 🗌	No 🗌	NA 🗸	
Person	Notified:		Pate:			
By Who	om:		/ia: eMail F	Phone  Fax	In Person	
Regard	ling:					
Client I	nstructions:					
16. Additional re	emarks:					
17. <u>Cooler Info</u>	rmation	20	9			
Cooler No			lo Seal Date	Signed By		
1	3.4 Good	Yes Morty				

HALL FNVTRONMENTAL	Rush ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	300	C etpoq (	C WOI BOO HOEE EPA M	tes 500 540 640 640	N SE	Witrate/I TKN Sh Chlorida Chlorida Sulfate Sulfate		002 XXXX						Date Time Remarks:
Turn-Around Time:	☐ Standard □ R	Project Name:	ninguez Dairy 1	Project #:		Project Manager:	Gina Mullen	Sampler: Angel N. Rivera		Cooler Temp(including CF);	Container Preservative Type and # Type	78	8						Received by: Via: Fu
Chain-of-Custody Record Tur	20	Science, and Technology			505-715-4279	rmullen@eaest.com	e:	☐ Az Compliance			Matrix Sample Name	6m 624.09	624-10						Relinquished by:
Chai	Client:	EA Engineering,	Mailing Address:	320 Gold Ave SW Suite	Phone #:	email or Fax#:	QA/QC Package:	Accreditation:	□ EDD (Type)		Date Time	2-16 10:25	2-16 12:24	$\overline{}$					Date: Time:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-con



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

February 29, 2024

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

RE: Mountain View Dairy OrderNo.: 2402600

#### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 2/13/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/29/2024

**CLIENT:** EA Engineering Client Sample ID: 70-03

**Project:** Mountain View Dairy Collection Date: 2/12/2024 10:55:00 AM 2402600-001 Lab ID: Matrix: GROUNDWA Received Date: 2/13/2024 8:34:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: RBC
Chloride	1800	50	*	mg/L	100 2/13/2024 12:33:30 PM	R103069
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10 2/13/2024 12:20:39 PM	R103069
Nitrogen, Nitrate (As N)	37	1.0	*	mg/L	10 2/13/2024 12:20:39 PM	R103069
Sulfate	880	50	*	mg/L	100 2/13/2024 12:33:30 PM	R103069
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst	: KCB
Total Dissolved Solids	4560	100	*D	mg/L	1 2/15/2024 10:54:00 AM	80421
EPA 351.2: TKN					Analyst	: EAH
Nitrogen, Kjeldahl, Total	0.57	0.50		mg/L	1 2/16/2024 11:44:00 AM	80448

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

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

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/29/2024

CLIENT: EA Engineering Client Sample ID: 70-01

Project: Mountain View Dairy

Lab ID: 2402600-002

Matrix: GROUNDWA

Collection Date: 2/12/2024 12:52:00 PM

Received Date: 2/13/2024 8:34:00 AM

Analyses	Result	RL	Qual	Units	DF I	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	RBC
Chloride	670	50	*	mg/L	100	2/13/2024 1:50:43 PM	R103069
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/13/2024 1:37:52 PM	R103069
Nitrogen, Nitrate (As N)	14	1.0	*	mg/L	10	2/13/2024 1:37:52 PM	R103069
Sulfate	770	50	*	mg/L	100	2/13/2024 1:50:43 PM	R103069
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	KCB
Total Dissolved Solids	3100	100	*D	mg/L	1	2/15/2024 10:54:00 AM	80421
EPA 351.2: TKN						Analyst	EAH
Nitrogen, Kjeldahl, Total	0.58	0.50		mg/L	1	2/16/2024 11:54:00 AM	80448

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

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

Date Reported: 2/29/2024

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Client Sample ID: 70-02

**Project:** Mountain View Dairy **Collection Date:** 2/12/2024 2:35:00 PM

**Lab ID:** 2402600-003 **Matrix:** GROUNDWA **Received Date:** 2/13/2024 8:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	:: RBC
Chloride	820	50	*	mg/L	100	2/13/2024 2:16:26 PM	R103069
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/13/2024 2:03:35 PM	R103069
Nitrogen, Nitrate (As N)	32	1.0	*	mg/L	10	2/13/2024 2:03:35 PM	R103069
Sulfate	480	5.0	*	mg/L	10	2/13/2024 2:03:35 PM	R103069
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KCB
Total Dissolved Solids	2760	250	*D	mg/L	1	2/15/2024 10:54:00 AM	80421
SM 4500 NORG C: TKN						Analyst	:: DML
Nitrogen, Kjeldahl, Total	ND	5.0	D	mg/L	1	2/21/2024 1:14:00 PM	80529

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

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

Date Reported: 2/29/2024

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Client Sample ID: 70-04

**Project:** Mountain View Dairy **Collection Date:** 2/12/2024 3:43:00 PM

**Lab ID:** 2402600-004 **Matrix:** GROUNDWA **Received Date:** 2/13/2024 8:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: RBC
Chloride	620	50	*	mg/L	100	2/13/2024 2:42:10 PM	R103069
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/13/2024 2:29:19 PM	R103069
Nitrogen, Nitrate (As N)	14	1.0	*	mg/L	10	2/13/2024 2:29:19 PM	R103069
Sulfate	780	50	*	mg/L	100	2/13/2024 2:42:10 PM	R103069
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KCB
Total Dissolved Solids	3020	250	*D	mg/L	1	2/19/2024 5:00:00 PM	80476
EPA 351.2: TKN						Analyst	: EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/16/2024 11:57:00 AM	80448

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

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

## Hall Environmental Analysis Laboratory, Inc.

4.8

0.97

2.5

9.6

0.50

0.10

0.10

0.50

5.000

1.000

2.500

10.00

WO#: **2402600** 

29-Feb-24

Client:	EA Engineering
Project:	Mountain View Dairy

Sample ID: MB	SampT	уре: МЕ	BLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBW	Batch	n ID: <b>R1</b>	03069	F	RunNo: 10	03069						
Prep Date:	Analysis D	Date: 2/	13/2024	SeqNo: <b>3810301</b>			Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Chloride	ND	0.50										
Nitrogen, Nitrite (As N)	ND	0.10										
Nitrogen, Nitrate (As N)	ND	0.10										
Sulfate	ND	0.50										
Sample ID: LCS	SampT	ype: <b>LC</b>	s	Tes	tCode: El	PA Method	300.0: Anions	i				
Client ID: LCSW	Batch	n ID: <b>R1</b>	03069	F	RunNo: 10	03069						
Prep Date:	Analysis D	Date: 2/	13/2024	(	SeqNo: 38	810302	Units: mg/L					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		

Sample ID: <b>2402600-001AMS</b>	SampType: MS TestCode: EPA Method 300.0: Anions									
Client ID: <b>70-03</b>	Batch	n ID: <b>R1</b>	03069	F	RunNo: <b>1</b> (	03069				
Prep Date:	Analysis D	ate: <b>2/</b>	13/2024	SeqNo: <b>3810311</b>			Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	9.5	1.0	10.00	0	94.8	80	120			
Nitrogen, Nitrate (As N)	65	1.0	25.00	37.41	109	80	120			

0

0

0

0

95.1

97.1

99.7

96.4

90

90

90

90

110

110

110

110

Sample ID: 2402600-001AMSD	SampT	ype: MS	SD .	Tes	300.0: Anions					
Client ID: <b>70-03</b>	Batch	n ID: <b>R1</b>	03069	F	03069					
Prep Date:	Analysis D	ate: <b>2/</b>	13/2024	SeqNo: <b>3810312</b>			Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	9.6	1.0	10.00	0	96.1	80	120	1.45	20	
Nitrogen, Nitrate (As N)	65	1.0	25.00	37.41	109	80	120	0.210	20	

#### Qualifiers:

Chloride

Sulfate

Nitrogen, Nitrite (As N)

Nitrogen, Nitrate (As N)

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

### Hall Environmental Analysis Laboratory, Inc.

WO#: 2402600

29-Feb-24

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

Sample ID: MB-80421 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

PBW Client ID: Batch ID: 80421 RunNo: 103103

Prep Date: 2/13/2024 Analysis Date: 2/15/2024 SeqNo: 3812042 Units: mg/L

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

**Total Dissolved Solids** ND 50.0

Total Dissolved Solids

Sample ID: LCS-80421 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80421 RunNo: 103103

50.0

Prep Date: 2/13/2024 Analysis Date: 2/15/2024 SeqNo: 3812043 Units: mg/L

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

99.6

80

120

1000

Sample ID: MB-80476 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80476 RunNo: 103170

996

Prep Date: Analysis Date: 2/19/2024 SeqNo: 3815535 Units: mg/L 2/15/2024

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-80476 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80476 RunNo: 103170

Prep Date: Analysis Date: 2/19/2024 SeqNo: 3815536 Units: mg/L 2/15/2024

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

**Total Dissolved Solids** 1020 50.0 1000 O 102 80 120

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

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402600** 

29-Feb-24

Client: EA Engineering
Project: Mountain View Dairy

Sample ID: MB-80448 SampType: MBLK TestCode: EPA 351.2: TKN

Client ID: **PBW** Batch ID: **80448** RunNo: **103139** 

Prep Date: 2/14/2024 Analysis Date: 2/16/2024 SeqNo: 3813947 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 0.50

Sample ID: LCSLL-80448 SampType: LCSLL TestCode: EPA 351.2: TKN

Client ID: BatchQC Batch ID: 80448 RunNo: 103139

Prep Date: 2/14/2024 Analysis Date: 2/16/2024 SeqNo: 3813948 Units: mg/L

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

Nitrogen, Kjeldahl, Total 0.51 0.50 0.5000 0 102 50 150

Sample ID: LCS-80448 SampType: LCS TestCode: EPA 351.2: TKN

Client ID: LCSW Batch ID: 80448 RunNo: 103139

Prep Date: 2/14/2024 Analysis Date: 2/16/2024 SeqNo: 3813949 Units: mg/L

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

Nitrogen, Kjeldahl, Total 9.7 0.50 10.00 0 97.1 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402600** 

29-Feb-24

Client: EA Engineering
Project: Mountain View Dairy

Sample ID: MB-80529 SampType: MBLK TestCode: SM 4500 Norg C: TKN

Client ID: PBW Batch ID: 80529 RunNo: 103242

Prep Date: 2/20/2024 Analysis Date: 2/21/2024 SeqNo: 3817768 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 1.0

Sample ID: LCS-80529 SampType: LCS TestCode: SM 4500 Norg C: TKN

Client ID: LCSW Batch ID: 80529 RunNo: 103242

Prep Date: 2/20/2024 Analysis Date: 2/21/2024 SeqNo: 3817769 Units: mg/L

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

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

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range



#### **Environment Testin**

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109

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

## Sample Log-In Check List

Work Order Number: 2402600 RcptNo: 1 Client Name: **EA Engineering** Chenl 2/13/2024 8:34:00 AM Received By: Chevenne Cason Completed By: 2/13/2024 8:47:48 AM Tracy Casarrubias Reviewed By: Chain of Custody Yes 🗸 No 🗌 Not Present 1. Is Chain of Custody complete? **FedEx** 2. How was the sample delivered? Log In No NA 📗 Yes 🗸 3. Was an attempt made to cool the samples? NA 🔲 Yes 🗸 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 5. Sample(s) in proper container(s)? Yes 🗸 No 6. Sufficient sample volume for indicated test(s)? Yes V No 7. Are samples (except VOA and ONG) properly preserved? Yes No 🔽 NA 🔲 8. Was preservative added to bottles? NA 🗹 No 🗌 Yes 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes 🗌 No 🗹 10. Were any sample containers received broken? # of preserved bottles checked No 🗌 for pH: Yes 🗸 11. Does paperwork match bottle labels? or >12 unless noted) (Note discrepancies on chain of custody) Yes 🗹 No 🗌 12. Are matrices correctly identified on Chain of Custody? No 🗌 Yes 13. Is it clear what analyses were requested? Checked by: 7-213 Yes 🔽 No 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) Yes 🗌 No 🗌 NA 🔽 15. Was client notified of all discrepancies with this order? Person Notified: Date: By Whom: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact | Seal No Seal Date Signed By Not Present Morty 0.2 Good

Chain-of-Custody Record	Turn-Around Time:	HALL ENVIRONMENTAL
Olient:	- Standard □ Rush	ANALYSIS LABORATORY
EA Engineering, Science, and Technology	Project Name:	www.hallenvironmental.com
Mailing Address:	Mountain View Dairy	4901 Hawkins NE - Albuquerque, NM 87109
320 Gold Ave SW Suite	Project #:	Tel. 505-345-3975 Fax 505-345-4107
Phone #: 505-715-4279		Analysis Request
email or Fax#: rmullen@eaest.com	Project Manager:	300
age:	Gina Mullen	
□ Standard □ Level 4 (Full Validation)		)D
Accreditation:	Sampler: Angel N. Rivera On Ice: ☑ Yes ☐ No Maya	00 C WC 300
□ EDD (Type)	# of Coolers; /	500 540 5 A 3
	Cooler Templinatuding CF1.C, 2 - 0 = 0.2	OLN SEL VI SE
Date Time Matrix Sample Name	Container Preservative HEAL No. Type 7467 (200	Nitrate/ Thosal S Total S Total S
2-12 10:55 6~ 70-03	2 001	X X X X
12:52 GW		
4:35 Gw		
	2	
Date: Time: Relinquished by:	Received by: Via: Date Time	Remarks:
m/2/ ) Oh:El El E	c 2/13/24	
Date: Time: Relinquished by:	•	

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



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

February 29, 2024

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

RE: Dominguez Dairy 2 OrderNo.: 2402672

#### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 2/14/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/29/2024

CLIENT: EA Engineering Client Sample ID: 42-03

 Project:
 Dominguez Dairy 2
 Collection Date: 2/13/2024 10:56:00 AM

 Lab ID:
 2402672-001
 Matrix: GROUNDWA
 Received Date: 2/14/2024 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	SNS
Chloride	990	50	*	mg/L	100	2/15/2024 1:14:49 AM	R103098
Nitrogen, Nitrite (As N)	ND	10		mg/L	100	2/15/2024 1:14:49 AM	R103098
Nitrogen, Nitrate (As N)	37	1.0	*	mg/L	10	2/15/2024 1:02:29 AM	R103098
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KCB
Total Dissolved Solids	3160	100	*D	mg/L	1	2/19/2024 5:00:00 PM	80476
EPA 351.2: TKN						Analyst	: EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/22/2024 2:43:00 PM	80559

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

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

Date Reported: 2/29/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EA Engineering Client Sample ID: 42-13

 Project:
 Dominguez Dairy 2
 Collection Date: 2/13/2024 12:22:00 PM

 Lab ID:
 2402672-002
 Matrix: GROUNDWA
 Received Date: 2/14/2024 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Batch	:h
EPA METHOD 300.0: ANIONS					Analyst: SNS	;
Chloride	1000	50	*	mg/L	100 2/15/2024 2:28:53 AM R103	3098
Nitrogen, Nitrite (As N)	ND	10		mg/L	100 2/15/2024 2:28:53 AM R103	3098
Nitrogen, Nitrate (As N)	37	1.0	*	mg/L	10 2/15/2024 2:16:33 AM R103	3098
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: KCB	3
Total Dissolved Solids	3170	50.0	*	mg/L	1 2/19/2024 5:00:00 PM 80476	'6
EPA 351.2: TKN					Analyst: <b>EAH</b>	i
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1 2/22/2024 2:47:00 PM 80559	9

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

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

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/29/2024

**CLIENT:** EA Engineering Client Sample ID: 42-06

**Project:** Dominguez Dairy 2 Collection Date: 2/13/2024 1:55:00 PM Lab ID: 2402672-003 Matrix: GROUNDWA Received Date: 2/14/2024 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: SNS
Chloride	340	50	*	mg/L	100 2/15/2024 2:53:34 AM R10309
Nitrogen, Nitrite (As N)	ND	10		mg/L	100 2/15/2024 2:53:34 AM R10309
Nitrogen, Nitrate (As N)	47	1.0	*	mg/L	10 2/15/2024 2:41:14 AM R10309
SM2540C MOD: TOTAL DISSOLVED SOLIDS					Analyst: <b>KCB</b>
Total Dissolved Solids	2150	50.0	*	mg/L	1 2/19/2024 5:00:00 PM 80476
EPA 351.2: TKN					Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1 2/22/2024 2:49:00 PM 80559

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

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

Date Reported: 2/29/2024

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering

Client Sample ID: 42-08

 Project:
 Dominguez Dairy 2
 Collection Date: 2/13/2024 3:45:00 PM

 Lab ID:
 2402672-004
 Matrix: GROUNDWA
 Received Date: 2/14/2024 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	t: SNS
Chloride	330	50	*	mg/L	100	2/15/2024 3:18:16 AM	R103098
Nitrogen, Nitrite (As N)	ND	10		mg/L	100	2/15/2024 3:18:16 AM	R103098
Nitrogen, Nitrate (As N)	49	1.0	*	mg/L	10	2/15/2024 3:05:55 AM	R103098
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analys	t: <b>KCB</b>
Total Dissolved Solids	2180	100	*D	mg/L	1	2/19/2024 5:00:00 PM	80476
EPA 351.2: TKN						Analys	t: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/22/2024 2:50:00 PM	80559

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

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

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402672** 

29-Feb-24

Client:	EA Engine	·									
Project:	Domingue	z Dairy 2									
Sample ID: MB		SampT	ype: <b>ME</b>	BLK	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: PBW		Batch	1D: <b>R1</b>	03098	F	RunNo: 10	3098				
Prep Date:		Analysis D	ate: <b>2/</b>	15/2024	5	SeqNo: 38	311733	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	0.50								
Nitrogen, Nitrite (As N)		ND	0.10								
Nitrogen, Nitrate (As N)		ND	0.10								
Sample ID: LCS		SampT	ype: <b>LC</b>	S	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: LCSW		Batch	ID: <b>R1</b>	03098	F	RunNo: 10	3098				
Prep Date:		Analysis D	ate: <b>2/</b>	15/2024	\$	SeqNo: 38	311734	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		4.8	0.50	5.000	0	95.3	90	110			
Nitrogen, Nitrite (As N)		0.98	0.10	1.000	0	98.3	90	110			
Nitrogen, Nitrate (As N)		2.5	0.10	2.500	0	101	90	110			
Sample ID: <b>240267</b>	72-001AMS	SampT	ype: <b>MS</b>	3	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: <b>42-03</b>		Batch	1D: <b>R1</b>	03098	F	RunNo: 10	3098				
Prep Date:		Analysis D	ate: <b>2/</b>	15/2024	9	SeqNo: 38	311739	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)		8.5	1.0	10.00	0	84.8	80	120			
Nitrogen, Nitrate (As N)		63	1.0	25.00	36.53	105	80	120			
Sample ID: <b>240267</b>	72-001AMSD	SampT	ype: <b>MS</b>	SD	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID: <b>42-03</b>		Batch	1D: <b>R1</b>	03098	F	RunNo: 10	3098				
Prep Date:		Analysis D	ate: <b>2/</b>	15/2024	5	SeqNo: 38	311740	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)		8.5	1.0	10.00	0	85.1	80	120	0.397	20	

#### Qualifiers:

Nitrogen, Nitrate (As N)

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

63

1.0

25.00

36.53

B Analyte detected in the associated Method Blank

106

80

120

0.147

20

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

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402672** 

29-Feb-24

Client: EA Engineering
Project: Dominguez Dairy 2

Sample ID: MB-80476 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80476 RunNo: 103170

Prep Date: 2/15/2024 Analysis Date: 2/19/2024 SeqNo: 3815535 Units: mq/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-80476 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80476 RunNo: 103170

Prep Date: 2/15/2024 Analysis Date: 2/19/2024 SegNo: 3815536 Units: mg/L

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

Total Dissolved Solids 1020 50.0 1000 0 102 80 120

Sample ID: 2402672-002ADUP SampType: DUP TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: 42-13 Batch ID: 80476 RunNo: 103170

Prep Date: 2/15/2024 Analysis Date: 2/19/2024 SeqNo: 3815548 Units: mg/L

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

Total Dissolved Solids 3190 50.0 0.628 10 *

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402672** 

29-Feb-24

Client: EA Engineering
Project: Dominguez Dairy 2

Sample ID: MB-80559 SampType: MBLK TestCode: EPA 351.2: TKN

Client ID: **PBW** Batch ID: **80559** RunNo: **103277** 

Prep Date: 2/21/2024 Analysis Date: 2/22/2024 SeqNo: 3819366 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 0.50

Sample ID: LCSLL-80559 SampType: LCSLL TestCode: EPA 351.2: TKN

Client ID: BatchQC Batch ID: 80559 RunNo: 103277

Prep Date: 2/21/2024 Analysis Date: 2/22/2024 SeqNo: 3819367 Units: mg/L

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

Nitrogen, Kjeldahl, Total 0.49 0 0.5000 0 97.8 50 150

Sample ID: LCS-80559 SampType: LCS TestCode: EPA 351.2: TKN

Client ID: LCSW Batch ID: 80559 RunNo: 103277

Prep Date: 2/21/2024 Analysis Date: 2/22/2024 SeqNo: 3819368 Units: mg/L

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

Nitrogen, Kjeldahl, Total 9.9 0.50 10.00 0 99.1 90 11

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



## Environment Testin

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

# Sample Log-In Check List

Website: www.hallenvironmental.com

Client Name: EA Engine	ering	Work Order Numb	oer: 2402672	·	RcptNo:	1
·	sarrubias sarrubias カート	2/14/2024 8:30:00 / 2/14/2024 10:13:56				
Chain of Custody	-l.4-2		Yes 🗹	No 🗆	Not Present	
<ol> <li>Is Chain of Custody comp</li> <li>How was the sample deliv</li> </ol>			res <u>▼</u>	NO 🗀	Not riesent	
Log In  3. Was an attempt made to	cool the samples?		Yes 🗹	No 🗆	NA $\square$	
4. Were all samples received	d at a temperature o	of >0° C to 6.0°C	Yes 🗌	No <b>✓</b>	NA $\square$	
5. Sample(s) in proper conta	ainer(s)?		Yes 🗸	No 🗆		
6. Sufficient sample volume	for indicated test(s)	?	Yes 🗹	No 🗌		
7. Are samples (except VOA	and ONG) properly	preserved?	Yes 🗸	No 🗌		
8. Was preservative added to	o bottles?		Yes	No 🗹	NA 🗆	
9. Received at least 1 vial wi	th headspace <1/4"	for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sample contain	ers received broker	?	Yes	No 🗹	# of preserved	
11. Does paperwork match bo (Note discrepancies on ch			Yes 🗸	No 🗆	bottles checked for pH:	12 unless noted)
12. Are matrices correctly ider		sustody?	Yes 🗹	No 🗌	Adjusted? N	0
13. Is it clear what analyses w	ere requested?		Yes 🗸	No 🗌		
14. Were all holding times abl			Yes 🗹	No 🗌	Checked by: Tr	ne 2/14/20
Special Handling (if ap						
15. Was client notified of all c		nis order?	Yes 🗌	No 🗌	NA 🗹	
Person Notified: By Whom: Regarding: Client Instructions:		Date: Via:	eMail	Phone  Fax	☐ In Person	
16. Additional remarks:						
17. Cooler Information Cooler No Temp °C 1 -0.5		al Intact Seal No Present Morty	Seal Date	Signed By		

Chain-of-Custody Record		Turn-Around Time:	ime:				H	HALL	EN	IR	ENVIRONMENTAL	JE!	È	4	
lient:		2 Standard	□ Rush				A	AL	<b>ANALYSIS</b>	S	LABORATORY	8	0	Z\	
-A Fnaineering Science, and Technology		Project Name:					*	w.hall	enviro	www.hallenvironmental.com	moo.				
		Dominguez Da	iiry 2		49(	4901 Hawkins NE	vkins	- 빌	Albuq	rerque,	Albuquerque, NM 87109	109			
320 Gold Ave SW Suite		Project #:			Te	Tel. 505-345-3975	-345-	975	Тах	505-3	Fax 505-345-4107	7			
Phone #: 505-715-4279					0	ı	ŀ	₹ -	ıalysı	Analysis Kequest	est				
-ax#:	rmullen@eaest.com	Project Manag	er:		300								- 10 - 10 - 10 - 10		
ö	□ Level 4 (Full Validation)		Gina Mullen		Nethod	ວ ອ			8010						
Accreditation:		100	Angel N. Rivera	No morty	A43 s	NOR	0 C WG		 9 A93						
(be)		# of Coolers:			rites				311.						
		Cooler Tempe	naturaling CF1, -0 -1 -0 -16.5	-0162	₽!N/										
Date Time Matrix Sam	Sample Name	Container Type and #	Preservative Type	HEAL NO.	Nitrate		Chloric TDS S	Sulfate	35040	Total					
10:54 6	20	0		100	7	X	X						1		
15:30 GW	(2)	7		200	X	X	X						$\dashv$		
12.57.60	90	2		003	X	X	X						$\dashv$	$\dashv$	
74.5	-08	8		600	X	X	X						1		
2															
							_	_							
														-	
Time: Relinquished		Received by:	Via: Pect 18	Date Time	Remarks	S:									
3-13 17:30 (M/W)	V	Received by:	Via:	Date Time											
<u> </u>	\		-												ā
				idiba adila	noooihilih	Anyo	h-contra	read dat	will be	learly note	cted data will be clearly notated on the analytical report.	analytic	sal repor	ا	1

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data



Eurofins Environment Testing South Central, LLC 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

February 26, 2024

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

RE: Bright Star Dairy OrderNo.: 2402547

#### Dear Regina Mullen:

Eurofins Environment Testing South Central, LLC received 3 sample(s) on 2/10/2024 for the analyses presented in the following report.

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

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/26/2024

CLIENT: EA Engineering Client Sample ID: 86/340-01

 Project:
 Bright Star Dairy
 Collection Date: 2/9/2024 11:20:00 AM

 Lab ID:
 2402547-001
 Matrix: GROUNDWA
 Received Date: 2/10/2024 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF 1	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: RBC
Chloride	260	50	*	mg/L	100	2/14/2024 5:39:45 PM	R103097
Sulfate	810	50	*	mg/L	100	2/14/2024 5:39:45 PM	R103097
Nitrate+Nitrite as N	3.0	1.0		mg/L	5	2/14/2024 7:51:01 PM	R103097
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KCB
Total Dissolved Solids	2160	50.0	*	mg/L	1	2/15/2024 10:54:00 AM	80421
EPA 351.2: TKN						Analyst	: EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/16/2024 11:23:00 AM	80447

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

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

Date Reported: 2/26/2024

2/16/2024 11:24:00 AM 80447

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering Client Sample ID: 70/86/340-01

 Project:
 Bright Star Dairy
 Collection Date: 2/9/2024 1:30:00 PM

 Lab ID:
 2402547-002
 Matrix: GROUNDWA
 Received Date: 2/10/2024 10:00:00 AM

**Analyses** Result **RL Qual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: SNS Chloride 2000 100 mg/L 200 2/16/2024 10:04:14 AM R103158 Sulfate 1600 50 mg/L 100 2/14/2024 6:05:30 PM R103097 Nitrate+Nitrite as N 24 1.0 mg/L 2/14/2024 8:03:53 PM R103097 **SM2540C MOD: TOTAL DISSOLVED SOLIDS** Analyst: KCB Total Dissolved Solids 6290 50.0 2/15/2024 10:54:00 AM 80421 mg/L **EPA 351.2: TKN** Analyst: **EAH** 

0.50

mg/L

ND

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

#### Qualifiers:

Nitrogen, Kjeldahl, Total

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

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/26/2024

CLIENT: EA Engineering Client Sample ID: 340-01

 Project:
 Bright Star Dairy
 Collection Date: 2/9/2024 3:15:00 PM

 Lab ID:
 2402547-003
 Matrix: GROUNDWA
 Received Date: 2/10/2024 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: RBC
Chloride	640	50	*	mg/L	100	2/14/2024 6:33:47 PM	R103097
Sulfate	480	50	*	mg/L	100	2/14/2024 6:33:47 PM	R103097
Nitrate+Nitrite as N	64	4.0	*	mg/L	20	2/16/2024 9:08:45 PM	A103158
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst	: KCB
Total Dissolved Solids	3140	250	*D	mg/L	1	2/15/2024 10:54:00 AM	80421
EPA 351.2: TKN						Analyst	: EAH
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/16/2024 11:26:00 AM	80447

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

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

**EA** Engineering

**Client:** 

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2402547** 

26-Feb-24

Project:	Bright St	tar Dairy									
Sample ID: MB	}	SampT	уре: МЕ	BLK	Tes	stCode: El	PA Method	300.0: Anions	3		
Client ID: PB	W	Batch	n ID: <b>R1</b>	03097	F	RunNo: 10	03097				
Prep Date:		Analysis D	Date: <b>2/</b>	14/2024	;	SeqNo: 3	811596	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	0.50								
Sulfate		ND	0.50								
Nitrate+Nitrite as N		ND	0.20								
Sample ID: LC:	S	SampT	ype: <b>LC</b>	S	Tes	stCode: El	PA Method	300.0: Anions	3		
Client ID: LC:	sw	Batch	n ID: <b>R1</b>	03097	F	RunNo: 10	03097				
Prep Date:		Analysis D	Date: <b>2/</b>	14/2024	;	SeqNo: 3	811598	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		4.8	0.50	5.000	0	95.3	90	110			
Sulfate		9.7	0.50	10.00	0	96.8	90	110			
Nitrate+Nitrite as N		3.5	0.20	3.500	0	98.8	90	110			
Sample ID: MB	1	SampT	уре: МЕ	BLK	Tes	stCode: El	PA Method	300.0: Anions	3		
Client ID: PB	w	Batch	n ID: <b>R1</b>	03097	F	RunNo: 10	03097				
Prep Date:		Analysis D	Date: <b>2/</b>	14/2024	;	SeqNo: 3	811660	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	0.50								
Sulfate		ND	0.50								
Nitrate+Nitrite as N		ND	0.20								
Sample ID: LC:	S	SampT	ype: <b>LC</b>	S	Tes	stCode: El	PA Method	300.0: Anions	3		
Client ID: LC:	sw	Batch	n ID: <b>R1</b>	03097	F	RunNo: 10	03097				
Prep Date:		Analysis D	Date: <b>2/</b>	14/2024	;	SeqNo: 3	811661	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		4.8	0.50	5.000	0	95.2	90	110			
Sulfate		9.7	0.50	10.00	0	96.6	90	110			
Nitrate+Nitrite as N		3.5	0.20	3.500	0	99.0	90	110			
Sample ID: MB	1	SampT	уре: МЕ	BLK	Tes	stCode: El	PA Method	300.0: Anions	;		
Client ID: PB	w	Batch	n ID: <b>R1</b>	03158	F	RunNo: 10	03158				
Prep Date:		Analysis D	Date: <b>2/</b>	16/2024	;	SeqNo: 38	814836	Units: mg/L			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

#### Qualifiers:

Chloride

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.

ND

0.50

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

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402547** 

26-Feb-24

Client: EA Engineering
Project: Bright Star Dairy

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

Client ID: LCSW Batch ID: R103158 RunNo: 103158

Prep Date: Analysis Date: 2/16/2024 SeqNo: 3814837 Units: mg/L

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

Chloride 4.8 0.50 5.000 0 96.3 90 110

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

Client ID: **PBW** Batch ID: **A103158** RunNo: **103158** 

Prep Date: Analysis Date: 2/16/2024 SeqNo: 3814881 Units: mg/L

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

Nitrate+Nitrite as N ND 0.20

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

Client ID: LCSW Batch ID: A103158 RunNo: 103158

Prep Date: Analysis Date: 2/16/2024 SeqNo: 3814882 Units: mg/L

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

Nitrate+Nitrite as N 3.6 0.20 3.500 0 102 90 110

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

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402547** 

26-Feb-24

Client: EA Engineering
Project: Bright Star Dairy

Sample ID: MB-80421 SampType: MBLK TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: PBW Batch ID: 80421 RunNo: 103103

Prep Date: 2/13/2024 Analysis Date: 2/15/2024 SeqNo: 3812042 Units: mg/L

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

Total Dissolved Solids ND 50.0

Sample ID: LCS-80421 SampType: LCS TestCode: SM2540C MOD: Total Dissolved Solids

Client ID: LCSW Batch ID: 80421 RunNo: 103103

Prep Date: 2/13/2024 Analysis Date: 2/15/2024 SeqNo: 3812043 Units: mg/L

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

Total Dissolved Solids 996 50.0 1000 0 99.6 80 120

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2402547** 

26-Feb-24

Client: EA Engineering
Project: Bright Star Dairy

Sample ID: MB-80447 SampType: MBLK TestCode: EPA 351.2: TKN

Client ID: **PBW** Batch ID: **80447** RunNo: **103139** 

Prep Date: 2/14/2024 Analysis Date: 2/16/2024 SeqNo: 3813909 Units: mg/L

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

Nitrogen, Kjeldahl, Total ND 0.50

Sample ID: LCSLL-80447 SampType: LCSLL TestCode: EPA 351.2: TKN

Client ID: BatchQC Batch ID: 80447 RunNo: 103139

Prep Date: 2/14/2024 Analysis Date: 2/16/2024 SeqNo: 3813910 Units: mg/L

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

Nitrogen, Kjeldahl, Total 0.49 0 0.5000 0 98.5 50 150

Sample ID: LCS-80447 SampType: LCS TestCode: EPA 351.2: TKN

Client ID: LCSW Batch ID: 80447 RunNo: 103139

Prep Date: 2/14/2024 Analysis Date: 2/16/2024 SeqNo: 3813911 Units: mg/L

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

Nitrogen, Kjeldahl, Total 9.7 0.50 10.00 0 97.4 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range



### **Environment Testin**

Eurofins Environment Testing South Central, LLC 4901 Hawkins NE

Albuquerque, NM 87109

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

## Sample Log-In Check List

Client Name: **EA Engineering** Work Order Number: 2402547 RcptNo: 1 Received By: 2/10/2024 10:00:00 AM Cheyenne Cason Completed By: Chevenne Cason 2/12/2024 7:23:16 AM Reviewed By: 2-12-24 Chain of Custody Not Present No 🗌 Yes 🗸 1. Is Chain of Custody complete? 2. How was the sample delivered? <u>FedEx</u> Log In No 🗌 NA 🗌 3. Was an attempt made to cool the samples? No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C Yes 🗸 No T Yes 🗸 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? Yes 🗹 No 7. Are samples (except VOA and ONG) properly preserved? No V NA 🔲 8. Was preservative added to bottles? Yes 🗌 NA 🗸 No _ 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes Yes No 🔽 10. Were any sample containers received broken? # of preserved bottles checked Yes 🗸 for pH: No 11. Does paperwork match bottle labels? or >12 unless noted) (Note discrepancies on chain of custody) No 🗌 Yes 🔽 12. Are matrices correctly identified on Chain of Custody? Yes 🗸 No 🔲 13. Is it clear what analyses were requested? Checked by: 7 12/12/24 Yes 🔽 No 🗌 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) NA 🗸 Yes 🗌 No 🗔 15. Was client notified of all discrepancies with this order? Person Notified: Date: [ By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact | Seal No Seal Date Signed By 0.1 Good Not Present Yogi

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.