

**APPENDIX B**

**FIELD FORMS**

**(Provided in Electronic Format via CD Located on Front Cover of Report)**

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 02401 Date Gauged 2-15-24  
 Site Dominique 1 Time Gauged 10:58  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 31.34 feet Height of Fluid Column 15.46 feet  
 Total Depth 46.80 feet Volume in Well 10.203 gallons  
 (3 Well Volumes = 30.61 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:10 2-15-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:26	10	10	20.3	4318	7.48	149	1.31
11:44	10	20	20.6	4243	7.34		
12:04	11	31	20.7	4235	7.25		

Actual Purge Volume 36 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 12:26 2-15-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-02 Date Gauged 2-15-24  
 Site Dominquez 1 Time Gauged 13:21  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 22.98 feet Height of Fluid Column 14.43 feet  
 Total Depth 37.41 feet Volume in Well 9.523 gallons  
 (3 Well Volumes = 28.57 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:28 2-15-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	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	10	30	30.0	4018	7.23		

Actual Purge Volume 35 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:20 2-15-24 Purged/Sampled By AN  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-09 Date Gauged 2-16-24  
 Site Dominguez 1 Time Gauged 9:26  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 25.38 feet Height of Fluid Column 7.42 feet  
 Total Depth 32.80 feet Volume in Well 1.261 gallons  
 (3 Well Volumes = 3.78 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:32 2-16-24 Purged Method Bail

Time	Purge-Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:47	2	2	19.9	2897	7.38	190	2.18
9:58	1	3	20.6	2905	7.32		
10:09	1	4	20.3	2943	7.24		

Actual Purge Volume 5.50 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:25 2-16-24 Purged/Sampled By A.V  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-10 Date Gauged 2-16-24  
 Site Dominquez 1 Time Gauged 10:56

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 26.79 feet Height of Fluid Column 10.53 feet  
 Total Depth 37.32 feet Volume in Well 1.790 gallons  
 (3 Well Volumes = 5.37 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:12 2-16-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	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		
11:49	2	6	19.0	4575	7.28		
11:52	25	6.25	19.3	4578	7.26		

Actual Purge Volume 8 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 12:24 2-16-24 Purged/Sampled By A-N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-11 Date Gauged 2-15-24  
 Site Dominquez 1 Time Gauged 9:30  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 56.26 feet Height of Fluid Column 12.63 feet  
 Total Depth 68.89 feet Volume in Well 2.147 gallons  
 (3 Well Volumes = 6.44 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:35 2-15-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:47	2	2	20.2	6727	7.04	180	2.45
9:59	2	4	21.0	6743	7.12		
10:21	3	7	20.9	6704	7.20		

Actual Purge Volume 10 gals Field Measurements stabilized within ± 10% y  
 Time/Date Sampled 10:40 2-15-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-02 Date Gauged 2-27-24  
 Site Del Oro Time Gauged 11:20

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 60.20 feet Height of Fluid Column 5.95 feet  
 Total Depth 66.15 feet Volume in Well 3.927 gallons  
 (3 Well Volumes = 11.78 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:28 2-27-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:43	5	5	23.2	2888	7.12	144	2.15
12:07	5	10	23.0	2925	7.19		
12:20	2	12	23.1	2916	7.26		

Actual Purge Volume 17 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 12:46 2-27-24 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses \_\_\_\_\_

Comments/Observations \_\_\_\_\_

Well Casing Volumes

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

## MONITOR WELL DEVELOPMENT FIELD FORM

### FLUID LEVEL DATA

Well ID 692-04 Date Gauged 2-27-24  
 Site Del On Time Gauged 10:35

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water DRY feet Height of Fluid Column \_\_\_\_\_ feet  
 Total Depth 60-60 feet Volume in Well \_\_\_\_\_ gallons

(3 Well Volumes = \_\_\_\_\_ gallons)

### GROUNDWATER SAMPLING DATA

Time/date Purged \_\_\_\_\_ Purged Method \_\_\_\_\_

Time	Purge-Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	—						

Actual Purge Volume \_\_\_\_\_ gals Field Measurements stabilized within ± 10% \_\_\_\_\_

Time/Date Sampled \_\_\_\_\_ Purged/Sampled By \_\_\_\_\_

Sample Method \_\_\_\_\_

Requested Analyses \_\_\_\_\_

Comments/Observations Dry well

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft



MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-05 Date Gauged 2-28-24  
 Site Del Oro Time Gauged 10:57

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 82.08 feet Height of Fluid Column 5.42 feet  
 Total Depth 87.50 feet Volume in Well 3.577 gallons  
 (3 Well Volumes = 10.73 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:04 2-28-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:20	4	4	20.8	2494	7.50	161	1.88
11:35	4	8	21.3	2466	7.38		
11:50	3	11	21.5	2473	7.24		

Actual Purge Volume 15 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 12:05 2-28-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations slow water flow

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-06 Date Gauged 2-28-24  
 Site Del Oro Time Gauged 13:05

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 84.05 feet Height of Fluid Column 6.20 feet  
 Total Depth 90.25 feet Volume in Well 4.092 gallons

(3 Well Volumes = 12.27 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:11 2-28-24 Purged Method Pump

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		
13:56	.25	13.25	21.6	2266	7.29		

Actual Purge Volume 18 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 14:18 2-28-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations Slow flow coming out of pump.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-07 Date Gauged 2-28-24  
 Site Del Oro Time Gauged 14:33

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 75.81 feet Height of Fluid Column 1.90 feet  
 Total Depth 77.71 feet Volume in Well 1.254 gallons  
 (3 Well Volumes = 3.76 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:40 2-28-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	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 Volume 6 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 15:52 2-28-24 Purged/Sampled By A.W

Sample Method Bail

Requested Analyses \_\_\_\_\_

Comments/Observations water dropped @ 3 gals Recover water ground 15-20 mins.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-08 Date Gauged 2-29-24  
 Site Del Oro Time Gauged 11:19  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 69.25 feet Height of Fluid Column 7.92 feet  
 Total Depth 77.17 feet Volume in Well 5.227 gallons  
 (3 Well Volumes = 15.68 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:24 2-29-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:55	5	5	26.3	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 Volume 21 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 13:48 2-29-24 Purged/Sampled By Ain  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations Very slow water flow.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-09 Date Gauged 2-28-24  
 Site Del Oro Time Gauged 8:57  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 85.16 feet Height of Fluid Column 5.94 feet  
 Total Depth 91.10 feet Volume in Well 3.920 gallons  
 (3 Well Volumes = 11.76 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:05 2-28-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:30	5	5	24.3	2275	7.49	144	1.69
9:55	5	10	23.3	2247	7.32		
10:18	2	12	22.5	2213	7.21		

Actual Purge Volume 15 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:43 2-28-24 Purged/Sampled By A-N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-10 Date Gauged 2-29-24  
 Site Dul Do Time Gauged 9:43

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 74.91 feet Height of Fluid Column 2.99 feet  
 Total Depth 77.90 feet Volume in Well 0.508 gallons

(3 Well Volumes = 1.52 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:49 2-29-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:55	.50	.50	20.9	2808	7.51	173	2.12
10:12	.50	1	21.5	2771	7.37		
10:28	1	2	20.6	2760	7.28		

Actual Purge Volume 3.50 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:50 2-29-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID EW-01 Date Gauged 2-29-24  
 Site Del Oro Time Gauged 14:15

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water — feet Height of Fluid Column — feet  
 Total Depth — feet Volume in Well — gallons

(3 Well Volumes = 15 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:20 2-29-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:35	5	5	21.4	5872	7.56	151	2.74
14:46	5	10	21.5	5914	7.43		
14:57	5	15	21.4	5808	7.26		

Actual Purge Volume 20 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:25 2-29-24 Purged/Sampled By A-n  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID EW-02 Date Gauged 2-29-24  
 Site Del Oro Time Gauged 15:46

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water — feet Height of Fluid Column — feet  
 Total Depth — feet Volume in Well — gallons

(3 Well Volumes = 15 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 15:55 2-29-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
16:07	5	5	21.6	6006	7.63	151	2.48
16:30	5	10	21.8	6024	7.41		
16:43	5	15	22.0	6065	7.29		

Actual Purge Volume 20 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 16:55 2-29-24 Purged/Sampled By A. iv

Sample Method Pump

Requested Analyses \_\_\_\_\_

Comments/Observations \_\_\_\_\_

Well Casing Volumes

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



## MONITOR WELL DEVELOPMENT FIELD FORM

### FLUID LEVEL DATA

Well ID EW-03 Date Gauged 2-27-24  
 Site Del Oro Time Gauged 14:41

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water \_\_\_\_\_ feet Height of Fluid Column \_\_\_\_\_ feet  
 Total Depth \_\_\_\_\_ feet Volume in Well \_\_\_\_\_ gallons

(3 Well Volumes = 15 gallons)

### GROUNDWATER SAMPLING DATA

Time/date Purged \_\_\_\_\_ Purged Method \_\_\_\_\_

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
—	—	—	—	—	—	—	—

Actual Purge Volume \_\_\_\_\_ gals Field Measurements stabilized within ± 10% \_\_\_\_\_  
 Time/Date Sampled \_\_\_\_\_ Purged/Sampled By \_\_\_\_\_  
 Sample Method \_\_\_\_\_  
 Requested Analyses \_\_\_\_\_

Comments/Observations No water came out. Reset controller and still no water coming out of pump. No sample.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID EW-04 Date Gauged 2-27-24  
 Site Del Oro Time Gauged 13:08

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 1 feet Height of Fluid Column 1 feet  
 Total Depth \_\_\_\_\_ feet Volume in Well 1 gallons

(3 Well Volumes = 15 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:14 2-27-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul 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
13:38	5	10	22.6	2984	7.42		
13:53	5	15	22.5	2996	7.24		

Actual Purge Volume 20 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 14:15 2-27-24 Purged/Sampled By A. n

Sample Method Pump

Requested Analyses \_\_\_\_\_

Comments/Observations very slow water flow.

Well Casing Volumes

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

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID EW-05 Date Gauged 2-27-24  
 Site Del Oro Time Gauged 9:45

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water — feet Height of Fluid Column \_\_\_\_\_ feet  
 Total Depth — feet Volume in Well \_\_\_\_\_ gallons

(3 Well Volumes = 15 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 9:50 2-27-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	5	5	—	—	—	—	—
	5	10	—	—	—		
	5	15	—	—	—		

Actual Purge Volume 0 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 0 Purged/Sampled By \_\_\_\_\_

Sample Method  

Requested Analyses \_\_\_\_\_

Comments/Observations No water coming out pump. Reset controller still no water pumping out.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 4202 Date Gauged 2-14-24  
 Site Dominique 2 Time Gauged 8:55

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 31.30 feet Height of Fluid Column 34.03 feet  
 Total Depth 65.33 feet Volume in Well 22.45 gallons  
 (3 Well Volumes = 67.37 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:03 2-14-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	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	4032	7.18		

Actual Purge Volume 73 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 11:30 2-14-24 Purged/Sampled By A-n  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-03 Date Gauged 2-13-24  
 Site Dominquez 2 Time Gauged 9:52  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 87.45 feet Height of Fluid Column 9.75 feet  
 Total Depth 97.20 feet Volume in Well 6.435 gallons  
 (3 Well Volumes = 19.30 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:58 2-13-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:17	7	7	22.2	4941	7.57	157	2.90
10:30	7	14	23.2	4969	7.41		
10:41	6	20	24.3	4952	7.28		
10:43	.25	20.25	24.2	4943	7.26		

Actual Purge Volume 25 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:56 2-13-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-06 Date Gauged 2-13-24  
 Site Dominquez 2 Time Gauged 13:05  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 37.95 feet Height of Fluid Column 3.60 feet  
 Total Depth 41.55 feet Volume in Well 2.376 gallons  
 (3 Well Volumes = 7.12 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:11 2-13-24 Purged Method Pump

Time	Purge-Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:19	3	3	19.6	3192	7.93	195	2.44
13:26	3	6	20.4	3188	7.70		
13:34	2	8	20.3	3201	7.54		
13:37	.25	8.25	20.3	3209	7.36		

Actual Purge Volume 11 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 13:55 2-13-24 Purged/Sampled By AN  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-08 Date Gauged 2-13-24  
 Site Dominique 2 Time Gauged 14:15  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 34.17 feet Height of Fluid Column 0.93 feet  
 Total Depth 35.10 feet Volume in Well 0.613 gallons  
 (3 Well Volumes = 1.84 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:21 2-13-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:37	1	1	20.1	3163	7.41	162	2.25
14:52	1	2	20.3	3181	7.30		
15:05	.50	2.50	20.5	3194	7.24		

Actual Purge Volume 3 gals Field Measurements stabilized within ± 10% y  
 Time/Date Sampled 15:45 2-13-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations low water flow. very slow water recovery.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-10 Date Gauged 2-14-24  
 Site Dominique 2 Time Gauged 15:08  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 120.91 feet Height of Fluid Column 2.69 feet  
 Total Depth 123.60 feet Volume in Well 1.775 gallons  
 (3 Well Volumes = 5.32 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 15:14 2-14-24 Purged Method Pump

Time	Purge-Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
15:35	2	2	24.6	1824	7.31	94	1.39
15:52	2	4	24.3	1803	7.29		
16:13	2	6	24.5	1782	7.24		

Actual Purge Volume 7 gals Field Measurements stabilized within ± 10% X  
 Time/Date Sampled 16:37 2-14-24 Purged/Sampled By A-n  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations very slow water flow.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft



MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-11 Date Gauged 2-14-24  
 Site Dominique 2 Time Gauged 11:48  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 131.13 feet Height of Fluid Column 2.37 feet  
 Total Depth 133.50 feet Volume in Well 1.564 gallons  
 (3 Well Volumes = 4.69 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:53 2-14-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:18	2	2	18.3	4056	7.43	187	1.58
12:34	2	4	18.7	4074	7.31		
12:50	1	5	18.5	4110	7.27		

Actual Purge Volume 6 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 13:13 2-14-24 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses \_\_\_\_\_

Comments/Observations slow water flow. No water recovery after 4 gals water was barely coming out enough to collect sample.

Gauged well and was close to dry well.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-12 Date Gauged 2-14-24  
 Site Dominique 2 Time Gauged 13:24  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 137.52 feet Height of Fluid Column 1.92 feet  
 Total Depth 139.44 feet Volume in Well 1.267 gallons  
 (3 Well Volumes = 3.80 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:30 2-14-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:41	1	1	23.3	1789	7.51	120	1.29
13:53	1	2	24.0	1779	7.42		
14:20	2	4	24.1	1752	7.29		

Actual Purge Volume 5 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 14:45 2-14-24 Purged/Sampled By A.n  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations very slow water flow.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-13 Date Gauged 2-13-24  
 Site Dominquez 2 Time Gauged 11:12  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 62.86 feet Height of Fluid Column 4.74 feet  
 Total Depth 67.60 feet Volume in Well 3.128 gallons  
 (3 Well Volumes = 9.38 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:18 2-13-24 Purged Method Pump

Time	Purge-Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:28	3	3	24.1	4930	7.73	154	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	23.6	4975	7.33		

Actual Purge Volume 13 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 12:22 2-13-24 Purged/Sampled By AIN  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations slow water recovery, low flow

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

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

Well ID: LR6.457-S (Flood) Sample ID: \_\_\_\_\_ Sample Time: 11:05

Well owner/location/residence: Mona Lisa View Dairy

Street address: \_\_\_\_\_

Filtration system? (circle one) NA Y N Sampling personnel: Angel N. Rivera

Start purge time: N/A Weather: Sunny

End purge time: N/A Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time: <u>11:00</u>			Within	Circle One:
Specific Conductance:	<u>4527</u>			10%	μs/cm ms/cm
pH:	<u>7.39</u>			+/- 0.5	
Temperature:	<u>20.4</u>			+/- 1 C	°F °C
ORP:	<u>88</u>				mV

Notes/Comments: Collected sample from pivot turned on by Linda.

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Well Configuration

Recorded By: Chad

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

Well ID: LRE-00952 (Dairy Parlor) Sample ID: \_\_\_\_\_ Sample Time: 11:55

Well owner/location/residence: Maintain View Dairy

Street address: \_\_\_\_\_

Filtration system? (circle one) N/A Y N Sampling personnel: Angel N. Rivera

Start purge time: N/A Weather: Sunny

End purge time: N/A Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time: <u>11:45</u>			Within	Circle One:
Specific Conductance:	<u>3858</u>			10%	$\mu\text{s/cm}$ $\text{ms/cm}$
pH:	<u>7.43</u>			+/- 0.5	
Temperature:	<u>19.7</u>			+/- 1 C	$^{\circ}\text{F}$ $^{\circ}\text{C}$
ORP:	<u>99</u>				mV

Notes/Comments: Collected water sample from inside Parlor

Well Configuration

Recorded By: [Signature]

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

Well ID: LPG-457 (Pivot) Sample ID: \_\_\_\_\_ Sample Time: \_\_\_\_\_

Well owner/location/residence: Mountain View Dairy

Street address: \_\_\_\_\_

Filtration system? (circle one) NA Y N Sampling personnel: Angel N. Rivera

Start purge time: NA Weather: -

End purge time: NA Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time:			Within	Circle One:
Specific Conductance:				10%	$\mu\text{s/cm}$ $\text{ms/cm}$
pH:				+/- 0.5	
Temperature:				+/- 1 C	$^{\circ}\text{F}$ $^{\circ}\text{C}$
ORP:					mV

Notes/Comments: Per Linda she stated it's not working. No Sample.

Well Configuration

Recorded By: *Angel N. Rivera*

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

Well ID: LRG-00953 Sample ID: \_\_\_\_\_ Sample Time: 12:55

Well owner/location/residence: Bright Star Dairy

Street address: \_\_\_\_\_

Filtration system? (circle one) N/A Y N Sampling personnel: Angel M. Rivers

Start purge time: N/A Weather: Sunny

End purge time: N/A Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap  In-line \_\_\_\_\_ House tap

Field Parameters:

	Time:	Within	Circle One:
Specific Conductance:	<u>12:46</u> <u>4089</u>	10%	$\mu\text{s/cm}$ $\text{ms/cm}$
pH:	<u>7.46</u>	+/- 0.5	
Temperature:	<u>25.1</u>	+/- 1.0	$^{\circ}\text{F}$ $^{\circ}\text{C}$
ORP:	<u>117</u>		mV

Notes/Comments: Collected water sample from Dairy Parlor.

Well Configuration

Recorded By: AM

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

Well ID: LRG-00591-9 Sample ID: \_\_\_\_\_ Sample Time: 14:00

Well owner/location/residence: Dominquez Dairy 1

Street address: \_\_\_\_\_

Filtration system? (circle one) MAY N Sampling personnel: Angel N. Rivera

Start purge time: MA Weather: Sunny

End purge time: MA Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time: <u>13:45</u>	Within	Circle One:
Specific Conductance: <u>516.9</u>		10%	us/cm ms/cm
pH: <u>7.50</u>		+/- 0.5	
Temperature: <u>17.7</u>		+/- 1.0	°F °C
ORP: <u>101</u>			mV

Notes/Comments: Collected sample from top of tank using bailer and poly rope.

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Well Configuration

Recorded By: Angel N. Rivera



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

Well ID: LRG-00591-S-2 Sample ID: \_\_\_\_\_ Sample Time: 14:25

Well owner/location/residence: Dominguez Dairym

Street address: \_\_\_\_\_

Filtration system? (circle one) N/A N Sampling personnel: Angel M. Rivera

Start purge time: N/A Weather: Sunny

End purge time: N/A Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time: <u>14:10</u>			Within	Circle One:
Specific Conductance:	<u>5231</u>			10%	µs/cm ms/cm
pH:	<u>7.52</u>			+/- 0.5	
Temperature:	<u>17.0</u>			+/- 1 C	°F °C
ORP:	<u>157</u>				mV

Notes/Comments: Collected sample from top of tank using bailer and poly Rope.

Well Configuration

Recorded By: Chad W

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

Well ID: LRG-00590-S-6 Sample ID: \_\_\_\_\_ Sample Time: 0

Well owner/location/residence: Dominquez Dain 1

Street address: \_\_\_\_\_

Filtration system? (circle one)  Y  N Sampling personnel: Angel N. Rivera

Start purge time: 0 Weather: Sunny

End purge time: 0 Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap  In-line  House tap

Field Parameters:

	Time: <u>0</u>			Within	Circle One:
Specific Conductance: <u>0</u>				10%	$\mu\text{s/cm}$ $\text{ms/cm}$
pH: <u>0</u>				+/- 0.5	
Temperature: <u>0</u>				+/- 1 C	$^{\circ}\text{F}$ $^{\circ}\text{C}$
ORP: <u>0</u>					mV

Notes/Comments: Spoke to Isaac Jr. Dominguez about irrigation well if we could sample, he stated he cannot turn it on today but will check on Friday.

Well Configuration

Recorded By: \_\_\_\_\_

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

Well ID: LRG-956 Sample ID: \_\_\_\_\_ Sample Time: \_\_\_\_\_

Well owner/location/residence: Dominquez Daim 2

Street address: \_\_\_\_\_

Filtration system? (circle one) / Y N Sampling personnel: Angel N. Rivers

Start purge time: / Weather: Sunny

End purge time: / Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time:			Within	Circle One:
Specific Conductance:	<u>0</u>			10%	µs/cm ms/cm
pH:	<u>0</u>			+/- 0.5	
Temperature:	<u>0</u>			+/- 1.0	°F °C
ORP:	<u>0</u>				mV

Notes/Comments: No water coming out of valve from tank. Previously Reported  
No power on Daim. No Sample.

Well Configuration

Recorded By: Chad m

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

Well ID: CRG-4116 Sample ID: \_\_\_\_\_ Sample Time: 8

Well owner/location/residence: Big Sky Dairy

Street address: \_\_\_\_\_

Filtration system? (circle one) N/A Y N Sampling personnel: Angel N. Rivera

Start purge time: N/A Weather: Sunny

End purge time: N/A Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time:	Within	Circle One:
Specific Conductance:	<u>8</u>	10%	µs/cm ms/cm
pH:	<u>8</u>	+/- 0.5	
Temperature:	<u>8</u>	+/- 1 C	°F °C
ORP:	<u>8</u>		mV

Notes/Comments: Could not collect sample due to Dairy Farmhand  
value from previous time that we would collect sample. No sample  
There was a valve on side but was rusted and did not open.

Well Configuration

Recorded By: Angel N. Rivera

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

Well ID: LRG-4001-POD-4 Sample ID: \_\_\_\_\_ Sample Time: 9:50

Well owner/location/residence: Big Sky Dairy

Street address: \_\_\_\_\_

Filtration system? (circle one) MAY N Sampling personnel: Angel N. Rivera

Start purge time: N/A Weather: Sunny

End purge time: N/A Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap  In-line  House tap

Field Parameters:

	Time: <u>9:40</u>			Within	Circle One:
Specific Conductance: <u>2767</u>				10%	$\mu\text{s/cm}$ $\text{ms/cm}$
pH: <u>7.36</u>				+/- 0.5	
Temperature: <u>24.2</u>				+/- 1 C	$^{\circ}\text{F}$ $^{\circ}\text{C}$
ORP: <u>151</u>					mV

Notes/Comments: Value open up by Linda.

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Well Configuration

Recorded By: 

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

Well ID: LRG-01876 Sample ID: \_\_\_\_\_ Sample Time: 9:25

Well owner/location/residence: Buena Vista Dairy 2

Street address: \_\_\_\_\_

Filtration system? (circle one) N/A Y N Sampling personnel: Angel W. Rivera

Start purge time: N/A Weather: Sunny

End purge time: N/A Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time:	Within	Circle One:
Specific Conductance:	<u>9:15</u> <u>215.0</u>	10%	us/cm ms/cm
pH:	<u>7.30</u>	+/- 0.5	
Temperature:	<u>13.8</u>	+/- 1 C	°F °C
ORP:	<u>199</u>		mV

Notes/Comments: Collected sample from top of tank using basket and poly Rope

Well Configuration

Recorded By: [Signature]

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

Well ID: LRG-3348-AS Sample ID: \_\_\_\_\_ Sample Time: 11:00

Well owner/location/residence: Sunset Dairy

Street address: \_\_\_\_\_

Filtration system? (circle one) W/AY N Sampling personnel: Angel M. Rivera

Start purge time: N/A Weather: Sunny

End purge time: N/A Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap  In-line  House tap


Field Parameters:

	Time:	Within	Circle One:
Specific Conductance:	<u>10:56</u>	10%	$\mu\text{s/cm}$ $\text{ms/cm}$
pH:	<u>3928</u>	+/- 0.5	
Temperature:	<u>7.48</u>	+/- 1 C	$^{\circ}\text{F}$ $^{\circ}\text{C}$
ORP:	<u>21.1</u>		mV
	<u>204</u>		

Notes/Comments: Collected sample from inside Dairy Parlor.

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Well Configuration

Recorded By: 

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

Well ID: LRG-3348-B Sample ID: \_\_\_\_\_ Sample Time: 10:35

Well owner/location/residence: Sunset Dairy

Street address: \_\_\_\_\_

Filtration system? (circle one) N/A N Sampling personnel: Angel N. Rivera

Start purge time: N/A Weather: Sunny

End purge time: NA Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time:	Within	Circle One:
Specific Conductance:	<u>10:20</u>	10%	$\mu\text{s/cm}$ $\text{ms/cm}$
pH:	<u>22.29</u>	+/- 0.5	
Temperature:	<u>7.60</u>	+/- 1 C	$^{\circ}\text{F}$ $^{\circ}\text{C}$
ORP:	<u>21.9</u>		mV
	<u>173</u>		

Notes/Comments: Collected sample from top of tank using bucket and poly pipe.

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Well Configuration

Recorded By: [Signature]



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

48-S-3

Well ID: LRG-3389 CAA Twin S Sample ID: \_\_\_\_\_ Sample Time: 10:15

Well owner/location/residence: Sunset Dairy

Street address: \_\_\_\_\_

Filtration system? (circle one) N/A Y N Sampling personnel: Angel N. Rivera

Start purge time: N/A Weather: Sunny

End purge time: N/A Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time: <u>10:05</u>			Within	Circle One:
Specific Conductance:	<u>2996</u>			10%	$\mu\text{s/cm}$ $\text{ms/cm}$
pH:	<u>7.40</u>			+/- 0.5	
Temperature:	<u>20.1</u>			+/- 1 C	$^{\circ}\text{F}$ $^{\circ}\text{C}$
ORP:	<u>111</u>				mV

Notes/Comments: Turn on irrigation well by Linda. Per Linda well ID was changed LRG-3348-S-3 Twin S

Well Configuration

Recorded By: 

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 Dairy

Street address: \_\_\_\_\_

Filtration system? (circle one) N/A Y N Sampling personnel: Angel N. Rivera

Start purge time: N/A Weather: Sunny

End purge time: N/A Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time: <u>10:21</u>			Within	Circle One:
Specific Conductance:	<u>3140</u>			10%	$\mu\text{s/cm}$ $\text{ms/cm}$
pH:	<u>7.37</u>			+/- 0.5	
Temperature:	<u>20.5</u>			+/- 1 C	$^{\circ}\text{F}$ $^{\circ}\text{C}$
ORP:	<u>67</u>				mV

Notes/Comments: Turn on irrigation well by Linda.

Well Configuration

Recorded By: Ohl an

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

Well ID: LR26-940-POD 2 Sample ID: \_\_\_\_\_ Sample Time: ∅

Well owner/location/residence: SUNSET DAIN

Street address: \_\_\_\_\_

Filtration system? (circle one) N/A Y N Sampling personnel: Angel N. Rivera

Start purge time: N/A Weather: Sunny

End purge time: N/A Purge Rate (gal/min): \_\_\_\_\_

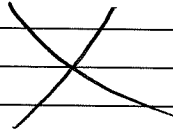
Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time: <u>∅</u>			Within	Circle One:
Specific Conductance:	<u>∅</u>			10%	<u>μs/cm</u> ms/cm.
pH:	<u>∅</u>			+/- 0.5	
Temperature:	<u>∅</u>			+/- 1 C	<u>°F</u> °C
ORP:	<u>∅</u>				mV

Notes/Comments:

No sample - Per Linda started not working.



Well Configuration

Recorded By: Obel am

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

Well ID: LRG-5820 Sample ID: \_\_\_\_\_ Sample Time: 14:15

Well owner/location/residence: Del Oro Dairy

Street address: \_\_\_\_\_

Filtration system? (circle one) WA Y N Sampling personnel: Angel H Bina

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:

	Time: <u>14:05</u>			Within	Circle One:
Specific Conductance:	<u>2180</u>			10%	µs/cm ms/cm
pH:	<u>7.28</u>			+/- 0.5	
Temperature:	<u>22.6</u>			+/- 1 C	°F °C
ORP:	<u>207</u>				mV

Notes/Comments: Collected sample from top of tank using bucket and poly Rope.

Well Configuration

Recorded By: Shelton

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

Well ID: LRG-00590-S-6 Sample ID: \_\_\_\_\_ Sample Time: 8

Well owner/location/residence: Dominique Dain

Street address: N/A

Filtration system? (circle one) N/A Y N Sampling personnel: Angel A. Rivera

Start purge time: N/A Weather: \_\_\_\_\_

Ehd purge time: N/A Purge Rate (gal/min): \_\_\_\_\_

Sample collected at (circle as appropriate): Wellhead tap In-line House tap

Field Parameters:

	Time: <u>8</u>				Within	Circle One:	
Specific Conductance:	<u>8</u>				10%	µs/cm	ms/cm
pH:	<u>8</u>				+/- 0.5		
Temperature:	<u>8</u>				+/- 1 C	*F	*C
ORP:	<u>8</u>					mV	

Notes/Comments: No Sample Collected.

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Well Configuration

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 70-01 Date Gauged 2-12-24  
 Site Mountain View Time Gauged 11:38  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 39.76 feet Height of Fluid Column 6.19 feet  
 Total Depth 45.95 feet Volume in Well 4.085 gallons  
 (3 Well Volumes = 12.25 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:45 2-12-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:20	5	5	22.0	4642	7.50	163	2.36
12:31	5	10	22.4	4619	7.33		
12:40	3	13	22.5	4603	7.27		

Actual Purge Volume 18 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 12:52 2-12-24 Purged/Sampled By AW  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 70-02 Date Gauged 2-12-24  
 Site Mountain View Time Gauged 13:20

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 49.26 feet Height of Fluid Column 0.56 feet  
 Total Depth 49.82 feet Volume in Well 0.369 gallons

(3 Well Volumes = 1.10 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 13:25 2-12-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:37	.25	.25	21.8	4675	7.60	140	2.20
13:52	.75	1	21.6	4648	7.44		
14:15	.25	1.25	22.0	4661	7.29		

Actual Purge Volume 1.75 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 14:35 2-12-24 Purged/Sampled By A. N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations very low water flow.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 70-03 Date Gauged 2-12-24  
 Site Mountain View Time Gauged 9:43

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 59.79 feet Height of Fluid Column 1.86 feet  
 Total Depth 61.65 feet Volume in Well 1.227 gallons  
 (3 Well Volumes = 3.68 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 9:49 2-12-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:15	2	2	17.1	7125	7.30	226	1.85
10:25	1	3	19.9	7005	7.26		
10:35	1	4	19.7	7030	7.19		

Actual Purge Volume 6 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:55 2-12-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations slow water recovery.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft



MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 70-04 Date Gauged 2-12-24  
 Site Mountain View Time Gauged 14:53  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 37.83 feet Height of Fluid Column 10.02 feet  
 Total Depth 47.85 feet Volume in Well 1.703 gallons  
 (3 Well Volumes = 5.11 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:58 2-12-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
15:12	2	2	22.0	4563	7.74	144	2.17
15:25	2	4	22.5	4515	7.50		
15:32	1.50	5.50	22.6	4490	7.31		
15:34	.25	5.75	22.4	4494	7.26		

Actual Purge Volume 7.25 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:43 2-12-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-01 Date Gauged 3-1-24  
 Site DAD'S Time Gauged 9:15

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 74.75 feet Height of Fluid Column 1.60 feet  
 Total Depth 76.35 feet Volume in Well 0.272 gallons

(3 Well Volumes = 0.81 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:21 3-1-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:27	.25	.25	20.4	2501	7.44	155	1.86
9:35	.25	.50	21.9	2422	7.32		
9:51	.50	1	23.3	2365	7.23		

Actual Purge Volume 3 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:20 3-1-24 Purged/Sampled By A. n  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations low water flow.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-02 Date Gauged 3-4-24  
 Site DAD'S Time Gauged 10:50

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 68.22 feet Height of Fluid Column 0.24 feet  
 Total Depth 68.46 feet Volume in Well 0.040 gallons

(3 Well Volumes = 0.12 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:56 3-4-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:05	.25	.25	22.5	3392	7.62	150	2.56
11:12	.25	.50	22.2	3347	7.50		
11:20	.25	.75	22.1	3311	7.36		

Actual Purge Volume 1.25 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 11:45 3-4-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations low water flow.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-03 Date Gauged 3-4-24  
 Site DAD'S Time Gauged 12:51

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 14.66 feet Height of Fluid Column 4.24 feet  
 Total Depth 18.90 feet Volume in Well 0.720 gallons  
 (3 Well Volumes = 2.16 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:56 3-4-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:08	1	1	21.2	2577	7.43	101	1.93
13:21	1	2	21.3	2562	7.31		
13:30	.50	2.50	21.4	2578	7.20		

Actual Purge Volume 4.50 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 13:55 3-4-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations low water flow.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-04 Date Gauged 3-5-24  
 Site DAD's Time Gauged 8:45  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 17.54 feet Height of Fluid Column 1.21 feet  
 Total Depth 18.75 feet Volume in Well 0.205 gallons  
 (3 Well Volumes = 0.61 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:51 3-5-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
8:58	.25	.25	18.3	3320	7.72	118	2.55
9:04	.25	.50	18.0	3292	7.51		
9:10	.25	.75	18.9	3267	7.38		
9:15	.25	1	18.8	3284	7.30		

Actual Purge Volume 1.50 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 9:35 3-5-24 Purged/Sampled By A.W  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-05 Date Gauged 3-7-24  
 Site DAD's Time Gauged 14:36  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 16.47 feet Height of Fluid Column 6.63 feet  
 Total Depth 23.10 feet Volume in Well 1.127 gallons  
 (3 Well Volumes = 3.38 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:41 3-7-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:55	1	1	18.7	1776	7.39	109	1.29
15:05	1	2	18.4	1929	7.28		
15:21	1.50	3.50	18.1	1971	7.20		

Actual Purge Volume 5.50 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:43 3-7-24 Purged/Sampled By A n  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-06R Date Gauged 3-5-24  
 Site DAD's Time Gauged 11:30

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 85.73 feet Height of Fluid Column 10.37 feet  
 Total Depth 102.10 feet Volume in Well 2.782 gallons  
 (3 Well Volumes = 8.34 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:36 3-5-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:00	3	3	24.3	1081	8.01	120	1.03
12:16	3	6	24.1	1109	7.55		
12:32	3	9	24.6	1183	7.28		

Actual Purge Volume 12 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 12:50 3-5-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-07 Date Gauged 3-8-24  
 Site DAD's Time Gauged 14:06

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 94.09 feet Height of Fluid Column 6.56 feet  
 Total Depth 100.65 feet Volume in Well 1.115 gallons  
 (3 Well Volumes = 3.34 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:12 3-8-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:24	1	1	23.6	5037	7.77	141	2.38
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		

Actual Purge Volume 5.50 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:26 3-8-24 Purged/Sampled By A.V  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft



MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-08 Date Gauged 3-8-24  
 Site DAD's Time Gauged 11:16

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 53.65 feet Height of Fluid Column 2.05 feet  
 Total Depth 55.70 feet Volume in Well 0.348 gallons

(3 Well Volumes = 1.04 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:21 3-8-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:27	.50	.50	20.4	6159	7.64	133	2.47
11:32	.50	1	20.7	6097	7.50		
11:36	.50	1.50	21.2	6172	7.32		
11:38	.25	1.75	21.1	6164	7.29		

Actual Purge Volume 3 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 11:46 3-8-24 Purged/Sampled By A.N

Sample Method Bail

Requested Analyses \_\_\_\_\_

Comments/Observations \_\_\_\_\_

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-09 Date Gauged 3-11-24  
 Site DAD'S Time Gauged 12:08

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 57.63 feet Height of Fluid Column 3.62 feet  
 Total Depth 61.25 feet Volume in Well 0.6154 gallons  
 (3 Well Volumes = 1.84 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:15 3-11-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:25	.50	.50	22.7	2443	7.35	132	1.83
12:35	.50	1	22.6	2725	7.31		
12:45	1	2	22.9	2912	7.21		

Actual Purge Volume 4 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 13:05 3-11-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-10 Date Gauged 3-11-24  
 Site DAD's Time Gauged 8:50

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 84.05 feet Height of Fluid Column 9.77 feet  
 Total Depth 93.82 feet Volume in Well 1.660 gallons  
 (3 Well Volumes = 4.98 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:58 3-11-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul 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	1	5	18.5	2142	7.24		

Actual Purge Volume 7 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:00 3-11-24 Purged/Sampled By AN  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-11 Date Gauged 3-1-24  
 Site DAD's Time Gauged 14:09

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 24.88 feet Height of Fluid Column 22.67 feet  
 Total Depth 47.55 feet Volume in Well 14.962 gallons  
 (3 Well Volumes = 44.88 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:14 3-1-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:42	15	15	21.5	5696	7.76	158	2.55
15:05	15	30	21.4	5723	7.50		
15:30	15	45	22.1	5658	7.29		

Actual Purge Volume 50 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:40 3-1-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-12 Date Gauged 3-1-24  
 Site DAD's Time Gauged 10:53

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 55.19 feet Height of Fluid Column 27.06 feet  
 Total Depth 82.25 feet Volume in Well 4.600 gallons  
 (3 Well Volumes = 13.80 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:59 3-1-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	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 Measurements stabilized within ± 10% Y  
 Time/Date Sampled 12:00 3-1-24 Purged/Sampled By A.W  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID DAD-13 Date Gauged 3-1-24  
 Site DAD'S Time Gauged 12:50

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 88.29 feet Height of Fluid Column 4.50 feet  
 Total Depth 92.79 feet Volume in Well 0.765 gallons  
 (3 Well Volumes = 2.29 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 12:55 3-1-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:12	1	1	22.6	4045	7.37	167	1.93
13:25	1	2	21.9	3993	7.32		
13:38	1	3	23.0	4002	7.25		

Actual Purge Volume 4 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 13:52 3-1-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-14 Date Gauged 3-1-24  
 Site DAD'S Time Gauged 15:56

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 32.32 feet Height of Fluid Column 10.23 feet  
 Total Depth 42.55 feet Volume in Well 1.739 gallons

(3 Well Volumes = 5.21 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 16:10 3-1-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
16:21	2	2	21.9	5892	7.80	180	2.47
16:32	2	4	21.7	6087	7.42		
16:43	2	6	21.6	6134	7.30		

Actual Purge Volume 8 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 16:57 3-1-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-15 Date Gauged 3-5-24  
 Site DAD's Time Gauged 13:40

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 96.80 feet Height of Fluid Column 13.1 feet  
 Total Depth 109.90 feet Volume in Well 2.22 gallons  
 (3 Well Volumes = 6.68 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:45 3-5-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:05	2	2	23.9	3627	7.73	137	2.76
14:20	2	4	24.1	3785	7.46		
14:45	3	7	24.3	3833	7.27		

Actual Purge Volume 10 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:10 3-5-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft



## MONITOR WELL DEVELOPMENT FIELD FORM

### FLUID LEVEL DATA

Well ID DAD-16 Date Gauged 3-5-24  
 Site DAD's Time Gauged 9:55

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 19.37 feet Height of Fluid Column 13.38 feet  
 Total Depth 32.75 feet Volume in Well 2.274 gallons  
 (3 Well Volumes = 6.82 gallons)

### GROUNDWATER SAMPLING DATA

Time/date Purged 10:03 3-5-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:18	3	3	18.7	2551	8.02	140	1.92
10:33	3	6	19.0	2530	7.61		
10:45	1	7	18.9	2512	7.43		
10:47	-25	7.25	18.8	2504	7.29		

Actual Purge Volume 10 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 11:00 3-5-24 Purged/Sampled By Acw  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-17 Date Gauged 3-7-24  
 Site DAD'S Time Gauged 13:10

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 20.88 feet Height of Fluid Column 18.02 feet  
 Total Depth 38.90 feet Volume in Well 3.063 gallons  
 (3 Well Volumes = 9.19 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:15 3-7-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	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	4	10	21.5	1112	7.25		

Actual Purge Volume 13 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 14:15 3-7-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-18 Date Gauged 3-8-24  
 Site DAD'S Time Gauged 9:50

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 23.84 feet Height of Fluid Column 33.31 feet  
 Total Depth 57.15 feet Volume in Well 5.662 gallons  
 (3 Well Volumes = 16.98 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:57 3-8-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:13	5	5	16.8	4068	7.48	163	1.37
10:25	5	10	17.3	4039	7.37		
10:41	7	17	17.2	4016	7.26		

Actual Purge Volume 22 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:58 3-8-24 Purged/Sampled By A.W  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-19 Date Gauged 3-7-24  
 Site DAD'S Time Gauged 11:05

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 65.37 feet Height of Fluid Column 33.98 feet  
 Total Depth 99.35 feet Volume in Well 5.776 gallons  
 (3 Well Volumes = 17.32 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:11 3-7-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (us/cm)	pH	ORP (mV)	DO (mg/L)
11:30	6	6	22.0	4758	7.80	80	2.34
11:46	6	12	22.2	4736	7.51		
12:04	6	18	21.9	4769	7.32		
12:06	25	18.25	22.1	4744	7.27		

Actual Purge Volume 24 gals Field Measurements stabilized within ± 10% 4  
 Time/Date Sampled 12:25 3-7-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-20 Date Gauged 3-11-24  
 Site DAD's Time Gauged 17:03

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 58.14 feet Height of Fluid Column 10.71 feet  
 Total Depth 68.85 feet Volume in Well 1.820 gallons  
 (3 Well Volumes = 5.46 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged \_\_\_\_\_ Purged Method \_\_\_\_\_

Time	Purge-Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)

Actual Purge Volume \_\_\_\_\_ gals Field Measurements stabilized within ± 10% \_\_\_\_\_

Time/Date Sampled \_\_\_\_\_ Purged/Sampled By \_\_\_\_\_

Sample Method \_\_\_\_\_

Requested Analyses \_\_\_\_\_

Comments/Observations well damaged that bailer will not go in. Previously Reported.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-21 Date Gauged 3-11-24  
 Site DAD's Time Gauged 10:18  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 59.01 feet Height of Fluid Column 7.53 feet  
 Total Depth 66.54 feet Volume in Well 1.280 gallons  
 (3 Well Volumes = 3.84 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:25 3-11-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:46	2	2	20.9	3562	7.44	150	2.71
11:09	1	3	21.7	3866	7.34		
11:24	1	4	21.8	4044	7.22		

Actual Purge Volume 2 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 11:50 3-11-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID DAD-22 Date Gauged 3-11-24  
 Site DAD'S Time Gauged 13:11

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 47.25 feet Height of Fluid Column 2.80 feet  
 Total Depth 50.05 feet Volume in Well 0.476 gallons  
 (3 Well Volumes = 1.42 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 13:16 3-11-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:28	.50	.50	22.4	2734	7.68	135	2.74
13:41	.50	1	22.6	3587	7.43		
13:55	.50	1.50	22.7	3505	7.31		

Actual Purge Volume 3 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 14:06 3-11-24 Purged/Sampled By AV  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations very low water flow - slow water recovery.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID DAD-23 Date Gauged 3-4-24  
 Site DAD's Time Gauged 9:05

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 46.54 feet Height of Fluid Column 11.21 feet  
 Total Depth 57.75 feet Volume in Well 1.905 gallons  
 (3 Well Volumes = 5.71 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 9:11 3-4-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>9:31</u>	<u>2</u>	<u>2</u>	<u>22.1</u>	<u>2790</u>	<u>7.57</u>	<u>169</u>	<u>2.10</u>
<u>9:45</u>	<u>2</u>	<u>4</u>	<u>22.7</u>	<u>2433</u>	<u>7.48</u>		
<u>9:57</u>	<u>2</u>	<u>6</u>	<u>22.8</u>	<u>2454</u>	<u>7.29</u>		

Actual Purge Volume 8 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:28 3-4-24 Purged/Sampled By AN  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft



## MONITOR WELL DEVELOPMENT FIELD FORM

### FLUID LEVEL DATA

Well ID DAD-24 Date Gauged 3-7-24  
 Site DAD'S Time Gauged 8:58

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 67.09 feet Height of Fluid Column 63.46 feet  
 Total Depth 130.55 feet Volume in Well 6.198 gallons

(3 Well Volumes = 18.59 gallons)

### GROUNDWATER SAMPLING DATA

Time/date Purged 9:04 3-7-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	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 Volume 24 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 10:50 3-7-24 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses \_\_\_\_\_

Comments/Observations slow water flow coming out of pump.  
no consistent flow.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-25 Date Gauged 3-8-24  
 Site DAD's Time Gauged 12:36  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 67.20 feet Height of Fluid Column 10.00 feet  
 Total Depth 77.20 feet Volume in Well 1.70 gallons  
 (3 Well Volumes = 5.10 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:40 3-8-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:52	2	2	21.4	3810	7.80	131	2.93
13:08	2	4	22.0	3485	7.53		
13:21	2	6	22.0	3423	7.33		
13:26	-25	6.25	22.2	3404	7.29		

Actual Purge Volume 8 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 13:45 3-8-24 Purged/Sampled By A.N

Sample Method Bail

Requested Analyses \_\_\_\_\_

Comments/Observations water level went down at 4 gals. Slow water recovery.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-26 Date Gauged 3-11-24  
 Site DAD's Time Gauged 15:45

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 50.00 feet Height of Fluid Column 12.25 feet  
 Total Depth 62.25 feet Volume in Well 2.08 gallons  
 (3 Well Volumes = 6.24 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 15:50 3-11-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
16:05	2	2	23.7	4420	7.83	140	1.34
16:17	2	4	23.6	4370	7.58		
16:35	2.50	6.50	23.5	4295	7.30		
16:37	.25	6.75	23.4	4275	7.27		

Actual Purge Volume 8.50 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 16:52 3-11-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID DAD-27 Date Gauged 3-11-24  
 Site DAD's Time Gauged 14:30  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 27.54 feet Height of Fluid Column 10.11 feet  
 Total Depth 37.65 feet Volume in Well 1.718 gallons  
 (3 Well Volumes = 5.15 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 14:35 3-11-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:46	2	2	21.6	3023	7.90	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	2.5	5.75	22.0	2910	7.29		

Actual Purge Volume 7.50 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:30 3-11-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 257-01 Date Gauged 2-23-24  
 Site Sunset Dairy Time Gauged 9:37  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 22.52 feet Height of Fluid Column 3.33 feet  
 Total Depth 25.85 feet Volume in Well 0.566 gallons  
 (3 Well Volumes = 1.69 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:44 2-23-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul 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		
10:17	1	2	19.9	5410	7.29		

Actual Purge Volume 4 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:38 2-23-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 257-02 Date Gauged 2-23-24  
 Site Sunset Dairy Time Gauged 10:52

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 17.30 feet Height of Fluid Column 3.56 feet  
 Total Depth 20.86 feet Volume in Well 0.605 gallons  
 (3 Well Volumes = 1.81 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 10:57 2-23-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:10	1	1	19.1	4106	7.73	84	1.96
11:15	.50	1.50	19.2	4091	7.50		
11:20	.50	2	19.0	4035	7.36		
11:25	.25	2.25	19.3	4010	7.30		

Actual Purge Volume 4 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 11:46 2-23-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 257-03 Date Gauged 2-23-24  
 Site Sunset Dairy Time Gauged 12:55

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 14.67 feet Height of Fluid Column 1.48 feet  
 Total Depth 16.15 feet Volume in Well 0.251 gallons

(3 Well Volumes = 0.75 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 12:00 2-23-24 Purged Method Bail

Time	Purge-Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	—	—					
	—	—					
	—	—					

Actual Purge Volume \_\_\_\_\_ gals Field Measurements stabilized within ± 10% \_\_\_\_\_

Time/Date Sampled \_\_\_\_\_ Purged/Sampled By \_\_\_\_\_

Sample Method \_\_\_\_\_

Requested Analyses \_\_\_\_\_

Comments/Observations No water coming out on bailer. No readings or samples

### Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID MW-4 Date Gauged 2-23-24  
 Site SUNSET Dairy Time Gauged 13:55

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 33.19 feet Height of Fluid Column 6.76 feet  
 Total Depth 39.95 feet Volume in Well 1.149 gallons  
 (3 Well Volumes = 3.44 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:00 2-23-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	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		
14:45	2	4	21.7	6041	7.36		
14:48	.25	4.25	21.6	6038	7.31		

Actual Purge Volume 6 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:20 2-23-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft



MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 7401 Date Gauged 2-19-24  
 Site Buena Vista II Time Gauged 9:18  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 37.69 feet Height of Fluid Column 7.57 feet  
 Total Depth 45.26 feet Volume in Well 4996 gallons  
 (3 Well Volumes = 14.98 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:25 2-19-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:36	5	5	22.0	4648	7.81	114	2.30
9:47	5	10	22.1	4675	7.64		
9:59	5	15	22.1	4696	7.32		
10:03	-25	15.25	22.3	4690	7.29		

Actual Purge Volume 20 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:24 2-19-24 Purged/Sampled By A.W  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-02 Date Gauged 2-16-24  
 Site Buena Vista II Time Gauged 15:28

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 17.91 feet Height of Fluid Column 2.34 feet  
 Total Depth 20.25 feet Volume in Well 1.544 gallons  
 (3 Well Volumes = 4.63 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 15:36 2-16-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
15:50	2	2	21.2	4950	7.70	155	1.39
16:02	2	4	21.1	5012	7.59		
16:19	1	5	21.3	4916	7.33		
16:25	.25	5.25	21.5	4924	7.27		

Actual Purge Volume 7 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 16:43 2-16-24 Purged/Sampled By A-N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-03 Date Gauged 2-16-24  
 Site Buena Vista II Time Gauged 13:45

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 17.72 feet Height of Fluid Column 2.61 feet  
 Total Depth 20.33 feet Volume in Well 1.722 gallons  
 (3 Well Volumes = 5.16 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:52 2-16-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:07	2	2	21.3	2838	8.01	131	2.13
14:19	2	4	22.0	2653	7.81		
14:26	1.50	5.50	21.7	2627	7.50		
14:29	.25	5.75	21.8	2624	7.38		

Actual Purge Volume 6.50 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 14:51 2-16-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-04 Date Gauged 2-19-24  
 Site Burns Vista II Time Gauged 10:46

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 49.95 feet Height of Fluid Column 7.94 feet  
 Total Depth 57.89 feet Volume in Well 5.240 gallons  
 (3 Well Volumes = 15.72 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:55 2-19-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:13	5	5	21.9	3662	7.69	101	2.79
11:27	5	10	21.8	3641	7.43		
11:56	6	16	22.0	3652	7.29		

Actual Purge Volume 21 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 12:40 2-19-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-05 Date Gauged 2-19-24  
 Site Buen Vista II Time Gauged 13:50

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 42.58 feet Height of Fluid Column 14.60 feet  
 Total Depth 57.18 feet Volume in Well 9.636 gallons  
 (3 Well Volumes = 28.90 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:00 2-19-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:21	10	10	23.3	3544	7.74	112	2.62
14:43	10	20	23.1	3573	7.40		
15:30	10	30	22.8	3592	7.31		

Actual Purge Volume 35 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:50 2-19-24 Purged/Sampled By A-N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations water stopped at 5 gals. Per-adjusted pump and worked again.

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 02401 Date Gauged 2-15-24  
 Site Dominique 1 Time Gauged 10:58  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 31.34 feet Height of Fluid Column 15.46 feet  
 Total Depth 46.80 feet Volume in Well 10.203 gallons  
 (3 Well Volumes = 30.61 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:10 2-15-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:26	10	10	20.3	4318	7.48	149	1.31
11:44	10	20	20.6	4243	7.34		
12:04	11	31	20.7	4235	7.25		

Actual Purge Volume 36 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 12:26 2-15-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-02 Date Gauged 2-15-24  
 Site Dominquez 1 Time Gauged 13:21  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 22.98 feet Height of Fluid Column 14.43 feet  
 Total Depth 37.41 feet Volume in Well 9.523 gallons  
 (3 Well Volumes = 28.57 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:28 2-15-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	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	10	30	30.0	4018	7.23		

Actual Purge Volume 35 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:20 2-15-24 Purged/Sampled By AN  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-09 Date Gauged 2-16-24  
 Site Dominguez 1 Time Gauged 9:26  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 25.38 feet Height of Fluid Column 7.42 feet  
 Total Depth 32.80 feet Volume in Well 1.261 gallons  
 (3 Well Volumes = 3.78 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:32 2-16-24 Purged Method Bail

Time	Purge-Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:47	2	2	19.9	2897	7.38	190	2.18
9:58	1	3	20.6	2905	7.32		
10:09	1	4	20.3	2943	7.24		

Actual Purge Volume 5.50 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:25 2-16-24 Purged/Sampled By A.V  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft



MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-10 Date Gauged 2-16-24  
 Site Dominquez 1 Time Gauged 10:56

Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 26.79 feet Height of Fluid Column 10.53 feet  
 Total Depth 37.32 feet Volume in Well 1.790 gallons  
 (3 Well Volumes = 5.37 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:12 2-16-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	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		
11:49	2	6	19.0	4575	7.28		
11:52	25	6.25	19.3	4578	7.26		

Actual Purge Volume 8 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 12:24 2-16-24 Purged/Sampled By A-N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-11 Date Gauged 2-15-24  
 Site Dominquez 1 Time Gauged 9:30  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 2 inches  
 Depth to Water 56.26 feet Height of Fluid Column 12.63 feet  
 Total Depth 68.89 feet Volume in Well 2.147 gallons  
 (3 Well Volumes = 6.44 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:35 2-15-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:47	2	2	20.2	6727	7.04	180	2.45
9:59	2	4	21.0	6743	7.12		
10:21	3	7	20.9	6704	7.20		

Actual Purge Volume 10 gals Field Measurements stabilized within ± 10% y  
 Time/Date Sampled 10:40 2-15-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

## MONITOR WELL DEVELOPMENT FIELD FORM

### FLUID LEVEL DATA

Well ID 86/340-01 Date Gauged 2-9-24  
 Site Bright Star Time Gauged 9:57

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 59.77 feet Height of Fluid Column 11.06 feet  
 Total Depth 70.83 feet Volume in Well 7.299 gallons  
 (3 Well Volumes = 21.89 gallons)

### GROUNDWATER SAMPLING DATA

Time/date Purged 10:09 2-9-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:24	7	7	19.4	3228	7.00	211	2.45
10:40	7	14	18.8	3220	7.09		
10:58	8	22	19.2	3241	7.18		

Actual Purge Volume 27 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 11:20 2-9-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 70/86/340-01 Date Gauged 2-9-24  
 Site Bright Star Time Gauged 11:50

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 53.60 feet Height of Fluid Column 14.35 feet  
 Total Depth 67.95 feet Volume in Well 9.471 gallons  
 (3 Well Volumes = 28.41 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:56 2-9-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	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		
13:03	9	29	20.0	9058	7.22		

Actual Purge Volume 34 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 13:30 2-9-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 340-01 Date Gauged 2-9-24  
 Site Bright Star Time Gauged 14:06

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 46.49 feet Height of Fluid Column 1.76 feet  
 Total Depth 48.25 feet Volume in Well 1.161 gallons  
 (3 Well Volumes = 3.48 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:11 2-9-24 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:22	1.50	1.50	20.4	4530	7.43	116	2.63
14:33	1.50	3	20.5	4498	7.35		
14:48	1	4	20.7	4511	7.24		

Actual Purge Volume 6 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:15 2-9-24 Purged/Sampled By A.N  
 Sample Method Bail  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

## MONITOR WELL DEVELOPMENT FIELD FORM

### FLUID LEVEL DATA

Well ID 340-01 Date Gauged 2-9-24  
 Site Bright Star Time Gauged 15:22

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water Dry feet Height of Fluid Column — feet  
 Total Depth 56.90 feet Volume in Well — gallons  
 (3 Well Volumes = — gallons)

### GROUNDWATER SAMPLING DATA

Time/date Purged — Purged Method —

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)

Actual Purge Volume — gals Field Measurements stabilized within ± 10% —

Time/Date Sampled — Purged/Sampled By —

Sample Method —

Requested Analyses \_\_\_\_\_

Comments/Observations Dry well.

#### Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-02 Date Gauged 2-20-24  
 Site Big Sky Time Gauged 11:50  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 35.79 feet Height of Fluid Column 22.16 feet  
 Total Depth 57.95 feet Volume in Well 14.625 gallons  
 (3 Well Volumes = 43.87 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:55 2-20-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:34	15	15	20.3	5853	7.89	126	2.46
12:57	15	30	20.1	5900	7.62		
13:34	15	45	20.2	5922	7.38		
13:37	-25	45.25	20.2	5926	7.34		

Actual Purge Volume 50 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 14:00 2-20-24 Purged/Sampled By AN  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-04 Date Gauged 2-20-24  
 Site Big Sky Time Gauged 10:20  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 44.24 feet Height of Fluid Column 9.10 feet  
 Total Depth 53.34 feet Volume in Well 6.006 gallons  
 (3 Well Volumes = 18.01 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:26 2-20-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:40	6	6	21.0	4473	7.48	129	2.02
10:53	6	12	21.1	4448	7.33		
11:06	7	19	20.9	4460	7.23		

Actual Purge Volume 24 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 11:25 2-20-24 Purged/Sampled By A-i  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes

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



MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-05 Date Gauged 2-22-24  
 Site Big Sky Time Gauged 9:48  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 66.77 feet Height of Fluid Column 6.73 feet  
 Total Depth 73.50 feet Volume in Well 4.441 gallons  
 (3 Well Volumes = 13.32 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:53 2-22-24 Purged Method Pump

Time	Purge-Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:07	5	5	22.6	5048	7.10	177	2.05
10:20	5	10	22.4	5021	7.18		
10:30	4	14	22.0	5078	7.23		

Actual Purge Volume 19 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 10:40 2-22-24 Purged/Sampled By AN  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

## MONITOR WELL DEVELOPMENT FIELD FORM

### FLUID LEVEL DATA

Well ID 833-06 Date Gauged 2-20-24  
 Site Big Sky Time Gauged 9:00  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 77.09 feet Height of Fluid Column 8.16 feet  
 Total Depth 85.25 feet Volume in Well 5.385 gallons  
 (3 Well Volumes = 16.15 gallons)

### GROUNDWATER SAMPLING DATA

Time/date Purged 9:05 2-20-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:18	5	5	19.3	4254	7.73	124	2.13
9:29	5	10	19.8	4230	7.54		
9:44	7	17	20.0	4301	7.30		
9:45	.25	17.25	20.1	4325	7.26		

Actual Purge Volume 22 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 9:55 2-20-24 Purged/Sampled By A.N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-07 Date Gauged 2-22-24  
 Site Big Sky Time Gauged 11:00

Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 62.28 feet Height of Fluid Column 11.27 feet  
 Total Depth 73.55 feet Volume in Well 7.438 gallons  
 (3 Well Volumes = 22.31 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:05 2-22-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:20	7	7	21.8	6262	7.51	113	2.35
11:32	7	14	21.4	6207	7.32		
11:48	9	23	21.3	6180	7.27		

Actual Purge Volume 28 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 12:15 2-22-24 Purged/Sampled By A-N  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833.08 Date Gauged 2-20-24  
 Site Big Sky Time Gauged 14:21  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 62.18 feet Height of Fluid Column 11.11 feet  
 Total Depth 73.29 feet Volume in Well 7.332 gallons  
 (3 Well Volumes = 21.99 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:26 2-20-24 Purged Method Pump

Time	Purge-Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:47	7	7	22.2	5090	7.87	119	2.40
15:05	7	14	22.1	5110	7.52		
15:30	8	22	22.1	5158	7.29		

Actual Purge Volume 27 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:52 2-20-24 Purged/Sampled By A.W  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-09 Date Gauged 2-22-24  
 Site Big Sky Time Gauged 12:32  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 28.17 feet Height of Fluid Column 11.53 feet  
 Total Depth 39.70 feet Volume in Well 7.609 gallons  
 (3 Well Volumes = 22.82 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:37 2-22-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:46	7	7	21.6	5166	7.88	100	1.54
13:04	7	214	21.4	5219	7.69		
13:20	9	23	21.1	5224	7.42		
13:25	-25	23.25	21.2	5260	7.34		

Actual Purge Volume 28 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 13:38 2-22-24 Purged/Sampled By A.W  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-10 Date Gauged 2-22-24  
 Site Big Sky Time Gauged 13:52  
 Depth to PSH \_\_\_\_\_ feet Well Diameter 4 inches  
 Depth to Water 22.62 feet Height of Fluid Column 15.12 feet  
 Total Depth 37.74 feet Volume in Well 9.979 gallons  
 (3 Well Volumes = 29.93 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:58 2-22-24 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
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 Volume 35 gals Field Measurements stabilized within ± 10% Y  
 Time/Date Sampled 15:25 2-22-24 Purged/Sampled By A.A.  
 Sample Method Pump  
 Requested Analyses \_\_\_\_\_  
 Comments/Observations \_\_\_\_\_

Well Casing Volumes  
 2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 gal/ft



**Glorieta  
Geoscience**  
A Division of GZA

- WATER / WATER RIGHTS
- GEOTECHNICAL
- ENVIRONMENTAL
- ECOLOGICAL
- CONSTRUCTION MANAGEMENT

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P.O. Box 5727  
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February 22, 2024

Regina,

Please see the following monitoring well analyses from the 1<sup>st</sup> 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](mailto:Samantha.carver@gza.com).

Monitoring Well	DTW (ft)	TDS (mg/L)	Cl (mg/L)	TKN (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	EC $\mu$ S	pH	Temp $^{\circ}$ 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.

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

Monitoring Well	Northing*	Easting*	Date	Time	Depth to Water	Notes or Total Depth (ft)
<b>NORTHERN AREA</b>						
<b>Northern Land Application Area (DP-340)</b>						
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	67.95
86/340-01	432021.33	1503216.90	2-5-24	11:00	59.78	70.83
<b>Mountain View Dairy (DP-70)</b>						
70-01	423303.43	1510585.63	2-5-24	12:55	39.75	45.95
70-02	423412.73	1511192.51	2-5-24	12:17	49.28	49.81
70-04	422798.94	1510922.20	2-5-24	12:01	37.85	47.85
<b>Buena Vista Dairy I (DP-86)</b>						
86-01	421534.62	1511667.76	2-5-24	14:22	53.17	54.45
86-02	421792.08	1510881.53	2-5-24	13:45	35.00	48.45
<b>Bright Star Dairy (DP-340)</b>						
340-01	421410.13	1511423.42	2-5-24	14:40	46.51	48.25
340-02	420641.08	1512051.57	2-5-24	14:52	Dry	56.90
<b>Dominguez2 (DP-42)</b>						
42-02	419982.45	1511126.19	2-6-24	11:13	36.34	65.33
42-03	419710.55	1514064.35	2-6-24	11:45	87.46	97.20
42-06	420021.61	1511465.15	2-6-24	10:37	37.98	41.55
X 42-07	<del>420584.8</del>	<del>1513076.66</del>	<del> </del>	<del> </del>	<del> </del>	WELL REMOVED
42-08	419994.93	1511197.91	2-6-24	10:51	34.12	35.10
X 42-09	<del>419729.17</del>	<del>1512255.76</del>	<del> </del>	<del> </del>	<del> </del>	WELL REMOVED
42-10	421426.39	1514460.4	2-6-24	9:47	120.90	123.60
42-11	420693.98	1515270.32	2-6-24	9:18	131.10	133.50
42-12	420972.09	1515423.88	2-6-24	9:24	137.50	139.43
42-13	419734.06	1512534.42	2-6-24	12:00	62.84	67.60
<b>Dominguez Dairy (DP-624)</b>						
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			2-6-24	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



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

Monitoring Well	Northing*	Easting"	Date	Time	Depth to Water	Notes or Total Depth (ft)
<b>CENTRAL AREA</b>						
<b>Buena Vista Dairy II (DP-74)</b>						
74-01	405434.93	1519310.15	2-7-24	12:03	37.71	45.26
74-02	404574.08	1519035.52	2-7-24	11:35	17.90	20.25
74-03	407163.61	1516711.72	2-7-24	11:51	17.73	20.32
74-04	405488.65	1519864.48	2-7-24	12:19	49.96	57.88
74-05	404747.71	1519885.3	2-7-24	12:26	42.60	57.18
<b>Big Sky Dairy (DP-833)</b>						
833-02	401200.32	1520639.92	2-7-24	13:08	35.81	57.95
833-04	402898.52	1520659.33	2-7-24	12:56	44.25	53.34
833-05	399712.39	1522374.73	2-7-24	13:28	66.78	73.50
833-06	402219.48	1522652.04	2-7-24	12:45	77.11	85.25
833-07	399298.8	1522082.75	2-7-24	13:37	62.30	73.55
833-08	400535.64	1521938.23	2-7-24	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
<b>Sunset/Desert Land Dairy (DP-257)</b>						
257-01	395856.31	1520572.16	2-7-24	14:48	22.54	25.85
257-02	394728.34	1521030.29	2-7-24	14:54	17.31	20.86
257-03	397935.69	1518746.14	2-7-24	15:12	14.69	16.15
MW-4			2-7-24	16:06	33.22	39.95
<b>Del Oro Dairy (DP-692)</b>						
<b>SOUTHERN AREA</b>						
692-02	372984.72	1531192.1	2-8-24	8:55	60.22	66.15
692-04	372982.53	1531555.21	2-8-24	9:10	Dry	60.60
692-05	374807.26	1532403	2-8-24	9:50	82.11	87.50
692-06	375054.77	1532411.83	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	2-8-24	10:50	69.29	77.17
692-09	373575.83	1532395.09	2-8-24	9:31	85.18	91.10
692-10			2-8-24	10:28	74.93	77.90
EW-01						
EW-02						
EW-03						
EW-04						
EW-05						
<b>Anthony Waste Water Treatment Plant</b>						
MW-1	372097.86	1532364.36	2-8-24	14:53	65.17	79.75
MW-2	NM	NM	2-8-24	14:59	66.50	79.95
MW-3	NM	NM	2-8-24	15:11	59.05	78.44

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

Monitoring Well	Northing <sup>a</sup>	Easting <sup>a</sup>	Date	Time	Depth to Water	Notes or Total Depth (ft)
<b>ABATEMENT PLAN MONITOR WELLS</b>						
DAD-01	422970.59	1512825.76	2-5-24	13:10	74.76	76.35
DAD-02	413002.98	1517319.93	2-7-24	10:12	68.23	68.46
DAD-03	407721.31	1516497.85	2-7-24	10:27	14.68	18.90
DAD-04	404576.66	1517413.28	2-7-24	10:55	17.57	18.75
DAD-05	396712.87	1519102.06	2-7-24	16:21	16.51	23.10
DAD-06R	404273.19	1522081.00	2-7-24	12:47	85.75	102.10
DAD-07	399270.18	1524320.88	2-7-24	17:36	94.11	100.65
DAD-08	395287.38	1522575.07	2-7-24	16:53	53.67	55.70
DAD-09	373259.30	1530905.70	2-8-24	11:54	57.65	61.25
DAD-10	372980.55	1532375.33	2-8-24	11:36	84.06	93.82
DAD-11	416211.35	1513814.71	2-6-24	14:28	24.91	47.55
DAD-12	419731.54	1512274.77	2-6-24	12:11	55.18	82.25
DAD-13	417879.08	1515673.13	2-6-24	14:05	88.32	92.79
DAD-14	414923.33	1514695.26	2-6-24	13:48	32.31	42.55
DAD-15	402001.22	1523552.04	2-7-24	9:35	96.83	109.90
DAD-16	400628.77	1519350.74	2-7-24	10:40	19.38	32.75
DAD-17	393991.97	1520267.94	2-7-24	16:48	20.90	38.90
DAD-18	395714.14	1520588.96	2-7-24	14:33	23.87	57.15
DAD-19	400164.47	1522027.92	2-7-24	13:53	65.40	99.35
DAD-20	371751.45	1531188.19	2-8-24	14:28	58.15	68.85
DAD-21	374013.39	1530983.98	2-8-24	12:55	59.04	66.54
DAD-22	373029.62	1530352.69	2-8-24	13:20	47.27	50.05
DAD-23	413958.29	1515697.17	2-7-24	9:58	46.55	57.75
DAD-24	400183.23	1522052.57	2-7-24	13:58	67.11	130.55
DAD-25	394560.83	1524599.12	2-7-24	17:19	67.24	77.20
DAD-26	372513.58	1530789.76	2-8-24	13:41	50.03	62.25
DAD-27			2-8-24	14:03	27.57	37.65
Notes:						
<sup>a</sup> Horizontal control to NM State Plane Coordinates Central NAD83 Grid Coordinates (in feet)						
<sup>b</sup> Measured in feet below the top of casing at survey point on north side of well						



**Glorieta  
Geoscience**  
A Division of GZA

WATER / WATER RIGHTS

GEOTECHNICAL

ENVIRONMENTAL

ECOLOGICAL

CONSTRUCTION MANAGEMENT

**OFFICE ADDRESS:**  
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A Division of GZA  
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Santa Fe, NM 87505

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Glorieta Geoscience  
P.O. Box 5727  
Santa Fe, NM 87502

February 22, 2024

Regina,

Please see the following monitoring well analyses from the 1<sup>st</sup> 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](mailto:Samantha.carver@gza.com).

Monitoring Well	DTW (ft)	TDS (mg/L)	Cl (mg/L)	TKN (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	EC $\mu$ S	pH	Temp $^{\circ}$ 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.

## **APPENDIX C**

### **ANALYTICAL LABORATORY REPORTS**

**(Provided in Electronic Format via CD Located on Front Cover of Report)**



# 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

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

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



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	8
QC Association Summary . . . . .	9
Lab Chronicle . . . . .	10
Certification Summary . . . . .	11
Chain of Custody . . . . .	12
Receipt Checklists . . . . .	13

# Definitions/Glossary

Client: EA Engineering  
Project/Site: Sunset Dairy

Job ID: 885-1214-1

## Glossary

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



# Case Narrative

Client: EA Engineering  
Project: Sunset Dairy

Job ID: 885-1214-1

**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.

Eurofins Albuquerque

# Client Sample Results

Client: EA Engineering  
Project/Site: Sunset Dairy

Job ID: 885-1214-1

**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

**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	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/22/24 12:23	03/26/24 14:58	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# Client Sample Results

Client: EA Engineering  
Project/Site: Sunset Dairy

Job ID: 885-1214-1

**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

## 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 17:20	10

## General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/22/24 12:23	03/26/24 15:00	1

# QC Sample Results

Client: EA Engineering  
Project/Site: Sunset Dairy

Job ID: 885-1214-1

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 885-1751/23**  
**Matrix: Water**  
**Analysis Batch: 1751**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/14/24 16:06	1

**Lab Sample ID: LCS 885-1751/24**  
**Matrix: Water**  
**Analysis Batch: 1751**

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

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

**Lab Sample ID: MRL 885-1751/22**  
**Matrix: Water**  
**Analysis Batch: 1751**

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

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

## Method: 351.2 - Nitrogen, Total Kjeldahl

**Lab Sample ID: MB 885-2164/33-A**  
**Matrix: Water**  
**Analysis Batch: 2335**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/22/24 12:23	03/26/24 14:40	1

**Lab Sample ID: LCS 885-2164/35-A**  
**Matrix: Water**  
**Analysis Batch: 2335**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	9.55		mg/L		96	90 - 110

**Lab Sample ID: LLCS 885-2164/34-A**  
**Matrix: Water**  
**Analysis Batch: 2335**

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

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

# QC Association Summary

Client: EA Engineering  
Project/Site: Sunset Dairy

Job ID: 885-1214-1

## HPLC/IC

### Analysis Batch: 1751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1214-1	LRG-3348-S-2 TWIN N	Total/NA	Water	300.0	
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

# Lab Chronicle

Client: EA Engineering  
Project/Site: Sunset Dairy

Job ID: 885-1214-1

## 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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  
Project/Site: Sunset Dairy

Job ID: 885-1214-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
351.2	351.2	Water	Nitrogen, Total Kjeldahl



# Chain-of-Custody Record



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

885-1214 COC

Turn-Around Time:  
 Standard    Rush  
 Project Name:  
 Sunset Dairy  
 Project #:

Project Manager:  
 Gina Mullen  
 Sampler: Angel N. Rivera  
 On Ice:  Yes    No  
 # of Coolers: 1  
 Cooler Temp (including CF): 1.9°C - 1.9°C  
 HEAL No.

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
3-13	10:35	GW	AN LRG-040-P00-2	2		
3-13	10:15	GW	LRG-3348-5-2 TWIN N	2		
			LRG-3348-5-3 TWIN S	2		

Received by: Via: FedEx Date: 3/14/24 Time: 8:36  
 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

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

QA/QC Package:  
 Standard    Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC    Other  
 EDD (Type)

Analysis Request

TKN SM 4500 NORG C	Chloride EPA 300	TDS SM 2540 C MOD	Sulfate EPA 300	Phosphorus EPA 6010B	Total Sulfur
X					
X					

Remarks: Not Frozen on 3/14/24

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.





# 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	

# ANALYTICAL REPORT

## PREPARED FOR

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

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

## JOB DESCRIPTION

Del Oro Dairy

## JOB NUMBER

885-1071-1

# 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  
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# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	7
QC Association Summary . . . . .	10
Lab Chronicle . . . . .	11
Certification Summary . . . . .	12
Chain of Custody . . . . .	13
Receipt Checklists . . . . .	14

# Definitions/Glossary

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1071-1

## Glossary

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

# Case Narrative

Client: EA Engineering  
Project: Del Oro Dairy

Job ID: 885-1071-1

**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.

### 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.

Eurofins Albuquerque

# Client Sample Results

Client: EA Engineering  
 Project/Site: Del Oro Dairy

Job ID: 885-1071-1

**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

**Method: EPA 300.0 - Anions, Ion Chromatography**

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

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfur	110		10	mg/L		03/21/24 12:44	03/28/24 14:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	17000		2500	mg/L			03/18/24 10:10	1
Nitrogen, Total Kjeldahl (EPA 351.2)	940		63	mg/L		03/22/24 12:23	03/26/24 14:18	5



# QC Sample Results

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1071-1

## 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**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/13/24 16:52	1

**Lab Sample ID: LCS 885-1696/5**  
**Matrix: Water**  
**Analysis Batch: 1696**

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

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

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

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

**Lab Sample ID: MB 885-2064/5**  
**Matrix: Water**  
**Analysis Batch: 2064**

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

Analyte	MB Result	MB 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**

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

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

**Lab Sample ID: MRL 885-2064/4**  
**Matrix: Water**  
**Analysis Batch: 2064**

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%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**  
**Matrix: Water**  
**Analysis Batch: 2512**

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

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



# QC Sample Results

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1071-1

## 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	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfur	ND		1.0	mg/L		03/21/24 12:44	03/28/24 14:28	1

Lab Sample ID: LCS 885-2083/3-A  
Matrix: Water  
Analysis Batch: 2512

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfur	50.0	45.0		mg/L		90	85 - 115

Lab Sample ID: LLCS 885-2083/2-A  
Matrix: Water  
Analysis Batch: 2512

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfur	1.00	1.07		mg/L		107	50 - 150

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

Lab Sample ID: MB 885-1840/1  
Matrix: Water  
Analysis Batch: 1840

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

Analyte	MB Result	MB 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  
Analysis Batch: 1840

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	1040		mg/L		104	80 - 120

## 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	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	9.59		mg/L		97	90 - 110

# QC Sample Results

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1071-1

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

Lab Sample ID: LLCS 885-2164/7-A  
Matrix: Water  
Analysis Batch: 2335

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

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

- 1
- 2
- 3
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- 8
- 9
- 10
- 11

# QC Association Summary

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1071-1

## HPLC/IC

### Analysis Batch: 1696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1071-1	692 - Lagoon	Total Recoverable	Water	200.2	
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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1071-1	692 - Lagoon	Total/NA	Water	351.2	
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

# Lab Chronicle

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1071-1

**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**

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
Total/NA	Analysis	300.0		10	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	EET ALB	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	EET ALB	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



# Accreditation/Certification Summary

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1071-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
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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



# Chain-of-Custody Record

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

Turn-Around Time: \_\_\_\_\_  
 Standard  Rush  
 Project Name \_\_\_\_\_  
 Del Oro Dairy  
 Project #: \_\_\_\_\_  
 Project Manager: Gina Mullen  
 Sampler: Angel N. Rivera  
 On Ice:  Yes  No *Not*  
 # of Coolers: \_\_\_\_\_  
 Cooler Temp (including container) 8:40.1 - 0.0  
  
 885-1071 COC

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	Received by	Via	Date	Time
3-12	11:30	Lagoon	692-Lagoon	2		Gina Mullen		3/12/24	0840

## Analysis Request

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

Received by: Gina Mullen Date: 3/12/24 Time: 0840  
 Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: Chad WR  
 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.

# Login Sample Receipt Checklist

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 <math>\leq</math> background as measured by a survey meter.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# ANALYTICAL REPORT

## PREPARED FOR

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

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

## JOB DESCRIPTION

Bright Star Dairy

## JOB NUMBER

885-1261-1



# Eurofins Albuquerque

## Job Notes

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## Authorization



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



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	7
QC Association Summary . . . . .	10
Lab Chronicle . . . . .	11
Certification Summary . . . . .	12
Chain of Custody . . . . .	13
Receipt Checklists . . . . .	15

# Definitions/Glossary

Client: EA Engineering  
Project/Site: Bright Star Dairy

Job ID: 885-1261-1

## Glossary

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

# Case Narrative

Client: EA Engineering  
Project: Bright Star Dairy

Job ID: 885-1261-1

**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.

Eurofins Albuquerque

# Client Sample Results

Client: EA Engineering  
Project/Site: Bright Star Dairy

Job ID: 885-1261-1

**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

## 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	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2600		100	mg/L			03/19/24 14:44	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/25/24 12:20	03/27/24 15:19	1

# QC Sample Results

Client: EA Engineering  
Project/Site: Bright Star Dairy

Job ID: 885-1261-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1747/4  
Matrix: Water  
Analysis Batch: 1747

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/14/24 12:21	1

Lab Sample ID: LCS 885-1747/5  
Matrix: Water  
Analysis Batch: 1747

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

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

Lab Sample ID: MRL 885-1747/3  
Matrix: Water  
Analysis Batch: 1747

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

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

Lab Sample ID: MB 885-1748/4  
Matrix: Water  
Analysis Batch: 1748

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/14/24 12:21	1

Lab Sample ID: LCS 885-1748/5  
Matrix: Water  
Analysis Batch: 1748

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

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

Lab Sample ID: MRL 885-1748/3  
Matrix: Water  
Analysis Batch: 1748

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

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

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

Lab Sample ID: MB 885-1956/1  
Matrix: Water  
Analysis Batch: 1956

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			03/19/24 14:44	1

# QC Sample Results

Client: EA Engineering  
Project/Site: Bright Star Dairy

Job ID: 885-1261-1

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

Lab Sample ID: LCS 885-1956/2  
Matrix: Water  
Analysis Batch: 1956

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

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

Lab Sample ID: 885-1261-1 DU  
Matrix: Water  
Analysis Batch: 1956

Client Sample ID: LRG-00953  
Prep Type: Total/NA

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

## Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-2256/6-A  
Matrix: Water  
Analysis Batch: 2403

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 2256

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/25/24 12:20	03/27/24 14:34	1

Lab Sample ID: LCS 885-2256/8-A  
Matrix: Water  
Analysis Batch: 2403

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2256

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

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2256

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

Lab Sample ID: MB 885-2342/33-A  
Matrix: Water  
Analysis Batch: 2471

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 2342

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/26/24 17:03	03/28/24 15:13	1

Lab Sample ID: LCS 885-2342/35-A  
Matrix: Water  
Analysis Batch: 2471

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2342

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	10.2		mg/L		103	90 - 110

# QC Sample Results

Client: EA Engineering  
Project/Site: Bright Star Dairy

Job ID: 885-1261-1

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

Lab Sample ID: LLCS 885-2342/34-A  
Matrix: Water  
Analysis Batch: 2471

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2342

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.496	ND		mg/L		95	50 - 150

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11



# QC Association Summary

Client: EA Engineering  
Project/Site: Bright Star Dairy

Job ID: 885-1261-1

## HPLC/IC

### Analysis Batch: 1747

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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1261-1	LRG-00953	Total/NA	Water	300.0	
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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1261-1	LRG-00953	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	
885-1261-1 DU	LRG-00953	Total/NA	Water	2540C	

### Prep Batch: 2256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1261-1	LRG-00953	Total/NA	Water	351.2	
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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-2342/33-A	Method Blank	Total/NA	Water	351.2	
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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1261-1	LRG-00953	Total/NA	Water	351.2	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

Eurofins Albuquerque

# Lab Chronicle

Client: EA Engineering  
Project/Site: Bright Star Dairy

Job ID: 885-1261-1

**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**

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
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	EET ALB	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



# Accreditation/Certification Summary

Client: EA Engineering  
Project/Site: Bright Star Dairy

Job ID: 885-1261-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
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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
351.2	351.2	Water	Nitrogen, Total Kjeldahl

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology  
Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaeast.com

QA/QC Package:

Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance

NELAC  Other

EDD (Type)

Turn-Around Time:

Standard  Rush

Project Name:

*Bright Star Dairy*

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice:  Yes  No

# of Coolers: *1*

Cooler Temp (Including CP): *43 + 0 - 9 3 2*

Container Type and #

Preservative Type

HEAL No

Date Time Matrix Sample Name

*3-13 12:55 Gw L2G-00953*

*2*

Date Time Relinquished by

*3-13 17:30 [Signature]*

Date Time Relinquished by

Received by: Via: Date Time

*[Signature] Courier 3/14/24 7:15*

Received by: Via: Date Time

Remarks:

## Analysis Request

Nitrate/Nitrites EPA Method 300

TKN SM 4500 NOR G

Chloride EPA 300

TDS SM 2540 C MOD

Sulfate EPA 300

Phosphorus EPA 6010B

Total Sulfur



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109 885-1261 COC


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



# Chain-of-Custody Record

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

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**  
 www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109 885-1261 COC  
 Tel. 505-345-3975 Fax 505-345-4107



Turn-Around Time:  
 Standard  Rush  
 Project Name:  
*Bright Star Dairy*  
 Project #:  
 Project Manager:  
 Gina Mullen  
 Sampler: Angel N. Rivera  
 On Ice:  Yes  No  
 # of Coolers: 1  
 Cooler Temp (including cap): 43.3 ± 0.93 °C  
 909  
 HEAL No. \_\_\_\_\_

**Analysis Request**

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
3-13	12:55	Gw	LDG-00953	2		

Received by: *[Signature]* Date: 3/14/24 Time: 7:15  
 Relinquished by: Angel Mullen  
 Relinquished by: Angel Mullen

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.

# 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	



 **ANALYTICAL REPORT****PREPARED FOR**

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

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**JOB DESCRIPTION**

Dominguez Dairy 1

**JOB NUMBER**

885-1225-1

# 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



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

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# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	8
QC Association Summary . . . . .	11
Lab Chronicle . . . . .	12
Certification Summary . . . . .	13
Chain of Custody . . . . .	14
Receipt Checklists . . . . .	15

# Definitions/Glossary

Client: EA Engineering  
Project/Site: Dominguez Dairy 1

Job ID: 885-1225-1

## 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.
α	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

# Case Narrative

Client: EA Engineering  
Project: Dominguez Dairy 1

Job ID: 885-1225-1

**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

# Client Sample Results

Client: EA Engineering  
 Project/Site: Dominguez Dairy 1

Job ID: 885-1225-1

**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 - Anions, 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**

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 Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/25/24 12:20	03/27/24 15:18	1



# Client Sample Results

Client: EA Engineering  
Project/Site: Dominguez Dairy 1

Job ID: 885-1225-1

**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

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	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 Kjeldahl (EPA 351.2)	ND	F1	0.50	mg/L		03/25/24 12:20	03/27/24 15:28	1

# QC Sample Results

Client: EA Engineering  
Project/Site: Dominguez Dairy 1

Job ID: 885-1225-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1752/4  
Matrix: Water  
Analysis Batch: 1752

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/14/24 09:52	1

Lab Sample ID: LCS 885-1752/5  
Matrix: Water  
Analysis Batch: 1752

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

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

Lab Sample ID: MRL 885-1752/3  
Matrix: Water  
Analysis Batch: 1752

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

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

Lab Sample ID: MB 885-1753/4  
Matrix: Water  
Analysis Batch: 1753

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/14/24 09:52	1

Lab Sample ID: LCS 885-1753/5  
Matrix: Water  
Analysis Batch: 1753

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

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

Lab Sample ID: MRL 885-1753/3  
Matrix: Water  
Analysis Batch: 1753

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

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

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

Lab Sample ID: MB 885-1956/1  
Matrix: Water  
Analysis Batch: 1956

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			03/19/24 14:44	1

# QC Sample Results

Client: EA Engineering  
Project/Site: Dominguez Dairy 1

Job ID: 885-1225-1

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

Lab Sample ID: LCS 885-1956/2  
Matrix: Water  
Analysis Batch: 1956

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

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

## Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-2256/33-A  
Matrix: Water  
Analysis Batch: 2403

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 2256

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/25/24 12:20	03/27/24 15:21	1

Lab Sample ID: MB 885-2256/6-A  
Matrix: Water  
Analysis Batch: 2403

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 2256

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/25/24 12:20	03/27/24 14:34	1

Lab Sample ID: LCS 885-2256/35-A  
Matrix: Water  
Analysis Batch: 2403

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2256

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

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2256

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	10.3		mg/L		104	90 - 110

Lab Sample ID: LLCS 885-2256/34-A  
Matrix: Water  
Analysis Batch: 2403

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2256

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.496	ND		mg/L		80	50 - 150

Lab Sample ID: LLCS 885-2256/7-A  
Matrix: Water  
Analysis Batch: 2403

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2256

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

# QC Sample Results

Client: EA Engineering  
Project/Site: Dominguez Dairy 1

Job ID: 885-1225-1

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

**Lab Sample ID: 885-1225-2 MS**  
**Matrix: Water**  
**Analysis Batch: 2403**

**Client Sample ID: LRG-00591-S-2**  
**Prep Type: Total/NA**  
**Prep Batch: 2256**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	ND	F1	9.91	4.88	F1	mg/L		49	90 - 110

**Lab Sample ID: 885-1225-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 2403**

**Client Sample ID: LRG-00591-S-2**  
**Prep Type: Total/NA**  
**Prep Batch: 2256**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Total Kjeldahl	ND	F1	9.91	5.18	F1	mg/L		52	90 - 110	6	20



# QC Association Summary

Client: EA Engineering  
Project/Site: Dominguez Dairy 1

Job ID: 885-1225-1

## 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	
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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1225-1	LRG-00591-S	Total/NA	Water	2540C	
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	
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

# Lab Chronicle

Client: EA Engineering  
Project/Site: Dominguez Dairy 1

Job ID: 885-1225-1

**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**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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	EET ALB	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**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		10	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	EET ALB	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  
 Project/Site: Dominguez Dairy 1

Job ID: 885-1225-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
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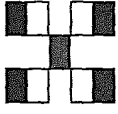
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
351.2	351.2	Water	Nitrogen, Total Kjeldahl



# Chain-of-Custody Record

# HALL ENVIRONMENTAL ANALYSIS LABORATORY



www.hallenvironmental.com  
4901 Hawkins NE - Albuquerque, NM 871  
Tel. 505-345-3975 Fax 505-345-4107

885-1225 COC

## Analysis Request

Turn-Around Time:  Standard  Rush

Project Name: Dominguez Dairy I

Project #:

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

Project Manager: Gina Mullen

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

Accreditation:  Az Compliance  NELAC  Other

Sampler: Angel N Rivera  
On Ice:  Yes  No

# of Coolers: 1

Container Type and #

Cooler Temp (including CO2): 10-02-19

Preservative Type

HEAL No.

Sample Name

Date

Matrix

Time

Sample Name

3-13 14:00

GW LRG-60591-S

3-13 14:25

GW LRG-60591-S-2


TKN SM 4500 NORG C

Chloride EPA 300

TDS SM 2540 C MOD

Sulfate EPA 300

Phosphorus EPA 6010B

Total Sulfur

Nitrate/Nitrites EPA Method 300


Received by: [Signature] Date: 3/14/24 Time: 8:36

Relinquished by: [Signature] Date: 3/14/24 Time: 8:36

Remarks: Not Frozen on 3/14/24

Received by: [Signature] Date: 3/14/24 Time: 8:36



# 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	



 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 4/18/2024 3:50:21 PM

**JOB DESCRIPTION**

Mountain View Dairy

**JOB NUMBER**

885-1217-1

# 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](mailto:john.caldwell@et.eurofinsus.com)  
(505)345-3975



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	8
QC Association Summary . . . . .	11
Lab Chronicle . . . . .	12
Certification Summary . . . . .	13
Chain of Custody . . . . .	14
Receipt Checklists . . . . .	15



# Definitions/Glossary

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1217-1

## 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.
α	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

# Case Narrative

Client: EA Engineering  
Project: Mountain View Dairy

Job ID: 885-1217-1

**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.

- 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-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.

Eurofins Albuquerque

# Client Sample Results

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1217-1

**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**

## 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 17:45	10

## General Chemistry

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/22/24 12:23	03/26/24 15:01	1

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- 10
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# Client Sample Results

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1217-1

**Client Sample ID: LRG-00952 DAIRY PARLOR**

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

Date Collected: 03/13/24 11:55

Matrix: Water

Date Received: 03/14/24 08:36

**Method: EPA 300.0 - Anions, Ion Chromatography**

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



# QC Sample Results

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1217-1

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 885-1745/23**  
**Matrix: Water**  
**Analysis Batch: 1745**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/14/24 16:06	1

**Lab Sample ID: LCS 885-1745/24**  
**Matrix: Water**  
**Analysis Batch: 1745**

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

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

**Lab Sample ID: MRL 885-1745/22**  
**Matrix: Water**  
**Analysis Batch: 1745**

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.532		mg/L		106	50 - 150

**Lab Sample ID: 885-1217-2 MS**  
**Matrix: Water**  
**Analysis Batch: 1745**

**Client Sample ID: LRG-00952 DAIRY PARLOR**  
**Prep Type: Total/NA**

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

**Lab Sample ID: 885-1217-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 1745**

**Client Sample ID: LRG-00952 DAIRY PARLOR**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1000		50.0	1040	4	mg/L		-8	80 - 120	3	20

**Lab Sample ID: MB 885-1751/23**  
**Matrix: Water**  
**Analysis Batch: 1751**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/14/24 16:06	1

**Lab Sample ID: LCS 885-1751/24**  
**Matrix: Water**  
**Analysis Batch: 1751**

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

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

**Lab Sample ID: MRL 885-1751/22**  
**Matrix: Water**  
**Analysis Batch: 1751**

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

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

Eurofins Albuquerque

# QC Sample Results

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  
Matrix: Water  
Analysis Batch: 1751

Client Sample ID: LRG-00952 DAIRY PARLOR  
Prep Type: Total/NA

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

Lab Sample ID: 885-1217-2 MSD  
Matrix: Water  
Analysis Batch: 1751

Client Sample ID: LRG-00952 DAIRY PARLOR  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	4.4		35.0	38.5		mg/L		97	80 - 120	1	20

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

Lab Sample ID: MB 885-1956/1  
Matrix: Water  
Analysis Batch: 1956

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			03/19/24 14:44	1

Lab Sample ID: LCS 885-1956/2  
Matrix: Water  
Analysis Batch: 1956

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

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

Lab Sample ID: 885-1217-2 DU  
Matrix: Water  
Analysis Batch: 1956

Client Sample ID: LRG-00952 DAIRY PARLOR  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	2500		2370		mg/L		4	10

## Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-2164/33-A  
Matrix: Water  
Analysis Batch: 2335

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/22/24 12:23	03/26/24 14:40	1

Lab Sample ID: LCS 885-2164/35-A  
Matrix: Water  
Analysis Batch: 2335

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	9.55		mg/L		96	90 - 110

# QC Sample Results

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1217-1

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

Lab Sample ID: LLCS 885-2164/34-A  
Matrix: Water  
Analysis Batch: 2335

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

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

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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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1217-2	LRG-00952 DAIRY PARLOR	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	
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



# Lab Chronicle

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1217-1

## 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

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

Date Collected: 03/13/24 11:55

Matrix: Water

Date Received: 03/14/24 08:36

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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	EET ALB	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

# Accreditation/Certification Summary

Client: EA Engineering  
 Project/Site: Mountain View Dairy

Job ID: 885-1217-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
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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
351.2	351.2	Water	Nitrogen, Total Kjeldahl



# Chain-of-Custody Record

Client: \_\_\_\_\_

EA Engineering, Science, and Technology  
Mailing Address: \_\_\_\_\_

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

email or Fax#: rnullen@east.com

QA/QC Package  
 Standard  
 Level 4 (Full Validation)

Accreditation:  Az Compliance  
 NELAC  Other \_\_\_\_\_

EDD (Type) \_\_\_\_\_

Project Name: \_\_\_\_\_

Mountain View Dairy  
Project #:

Turn-Around Time:  Standard  Rush

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice:  Yes  No

# of Coolers: \_\_\_\_\_

Cooler Temp (including CP): \_\_\_\_\_

Container Type and #

Preservative Type

HEAL No.

Date	Time	Matrix	Sample Name
3-13	11:05	Gw	LRG-457-S (FLOOD)
3-13	11:55	Gw	LRG-00952 DAIRY PARLOR

Received by: *[Signature]* Date: 3/14/24 Time: 8:31

Received by: *[Signature]* Date: \_\_\_\_\_ Time: \_\_\_\_\_



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87114

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



865-1217.COC

## Analysis Request

TKN SM 4500 NORG C	Chloride EPA 300	TDS SM 2540 C MOD	Sulfate EPA 300	Phosphorus EPA 6010B	Total Sulfur
X	X				
X	X				

Remarks: Not Frozen JW 3/14/24

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.



# Login Sample Receipt Checklist

Client: EA Engineering

Job Number: 885-1217-1

**Login Number: 1217**

**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.	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	

# ANALYTICAL REPORT

## PREPARED FOR

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

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

## JOB DESCRIPTION

Del Oro Dairy

## JOB NUMBER

885-1309-1

# 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](mailto:john.caldwell@et.eurofinsus.com)  
(505)345-3975



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	7
QC Association Summary . . . . .	10
Lab Chronicle . . . . .	11
Certification Summary . . . . .	12
Chain of Custody . . . . .	13
Receipt Checklists . . . . .	14

# Definitions/Glossary

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1309-1

## 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.
α	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



# Case Narrative

Client: EA Engineering  
Project: Del Oro Dairy

Job ID: 885-1309-1

**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.

Eurofins Albuquerque

# Client Sample Results

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1309-1

**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

## Method: EPA 300.0 - Anions, Ion Chromatography

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
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/25/24 12:20	03/27/24 16:03	1

# QC Sample Results

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1309-1

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 885-2017/5**  
**Matrix: Water**  
**Analysis Batch: 2017**

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

Analyte	MB Result	MB 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**  
**Matrix: Water**  
**Analysis Batch: 2017**

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

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

**Lab Sample ID: MRL 885-2017/4**  
**Matrix: Water**  
**Analysis Batch: 2017**

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

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

**Lab Sample ID: 885-1309-1 MS**  
**Matrix: Water**  
**Analysis Batch: 2017**

**Client Sample ID: LRG-5820**  
**Prep Type: Total/NA**

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

**Lab Sample ID: 885-1309-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 2017**

**Client Sample ID: LRG-5820**  
**Prep Type: Total/NA**

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

**Lab Sample ID: MB 885-2689/4**  
**Matrix: Water**  
**Analysis Batch: 2689**

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

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

**Lab Sample ID: LCS 885-2689/5**  
**Matrix: Water**  
**Analysis Batch: 2689**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	3.50	3.61		mg/L		103	90.0 - 110.0

# QC Sample Results

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1309-1

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: MRL 885-2689/3**  
**Matrix: Water**  
**Analysis Batch: 2689**

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

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

**Lab Sample ID: 885-1309-1 MS**  
**Matrix: Water**  
**Analysis Batch: 2689**

**Client Sample ID: LRG-5820**  
**Prep Type: Total/NA**

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

**Lab Sample ID: 885-1309-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 2689**

**Client Sample ID: LRG-5820**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND		35.0	35.0		mg/L		100	80 - 120	0	20

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

**Lab Sample ID: MB 885-2074/1**  
**Matrix: Water**  
**Analysis Batch: 2074**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			03/21/24 10:05	1

**Lab Sample ID: LCS 885-2074/2**  
**Matrix: Water**  
**Analysis Batch: 2074**

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

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

**Lab Sample ID: 885-1309-1 DU**  
**Matrix: Water**  
**Analysis Batch: 2074**

**Client Sample ID: LRG-5820**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1300		1310		mg/L		2	10

## Method: 351.2 - Nitrogen, Total Kjeldahl

**Lab Sample ID: MB 885-2256/33-A**  
**Matrix: Water**  
**Analysis Batch: 2403**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 2256**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/25/24 12:20	03/27/24 15:21	1

Eurofins Albuquerque

# QC Sample Results

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1309-1

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

**Lab Sample ID: LCS 885-2256/35-A**  
**Matrix: Water**  
**Analysis Batch: 2403**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 2256**

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

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 2256**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.496	ND		mg/L		80	50 - 150

# QC Association Summary

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1309-1

## 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

# Lab Chronicle

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1309-1

**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**

<b>Prep Type</b>	<b>Batch Type</b>	<b>Batch Method</b>	<b>Run</b>	<b>Dilution Factor</b>	<b>Batch Number</b>	<b>Analyst</b>	<b>Lab</b>	<b>Prepared or Analyzed</b>
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	EET ALB	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



# Accreditation/Certification Summary

Client: EA Engineering  
Project/Site: Del Oro Dairy

Job ID: 885-1309-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
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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
351.2	351.2	Water	Nitrogen, Total Kjeldahl







# Login Sample Receipt Checklist

Client: EA Engineering

Job Number: 885-1309-1

**Login Number: 1309**

**List Number: 1**

**Creator: Lowman, Nick**

**List Source: Eurofins Albuquerque**

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

 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 4/11/2024 12:04:56 PM

**JOB DESCRIPTION**

Buena Vista Dairy 2

**JOB NUMBER**

885-1311-1

# 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  
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# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	7
QC Association Summary . . . . .	10
Lab Chronicle . . . . .	11
Certification Summary . . . . .	12
Chain of Custody . . . . .	13
Receipt Checklists . . . . .	14

# Definitions/Glossary

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

Job ID: 885-1311-1

## 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.
α	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

# Case Narrative

Client: EA Engineering  
Project: Buena Vista Dairy 2

Job ID: 885-1311-1

**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

# Client Sample Results

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

Job ID: 885-1311-1

**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

## Method: EPA 300.0 - Anions, 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
Total Dissolved Solids (SM 2540C)	1300		100	mg/L			03/21/24 10:05	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/27/24 11:00	03/29/24 11:43	1



# QC Sample Results

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

Job ID: 885-1311-1

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 885-1818/4**  
**Matrix: Water**  
**Analysis Batch: 1818**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/15/24 10:57	1

**Lab Sample ID: MB 885-1818/57**  
**Matrix: Water**  
**Analysis Batch: 1818**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/15/24 23:13	1

**Lab Sample ID: LCS 885-1818/58**  
**Matrix: Water**  
**Analysis Batch: 1818**

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

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

**Lab Sample ID: MRL 885-1818/3**  
**Matrix: Water**  
**Analysis Batch: 1818**

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

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

**Lab Sample ID: 885-1311-1 MS**  
**Matrix: Water**  
**Analysis Batch: 1818**

**Client Sample ID: LRG-01876**  
**Prep Type: Total/NA**

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

**Lab Sample ID: 885-1311-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 1818**

**Client Sample ID: LRG-01876**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	490		50.0	519	4	mg/L		62	80 - 120	1	20

**Lab Sample ID: MB 885-1819/58**  
**Matrix: Water**  
**Analysis Batch: 1819**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/15/24 23:13	1

**Lab Sample ID: LCS 885-1819/59**  
**Matrix: Water**  
**Analysis Batch: 1819**

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

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

Eurofins Albuquerque

# QC Sample Results

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

Job ID: 885-1311-1

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MRL 885-1819/3**  
**Matrix: Water**  
**Analysis Batch: 1819**

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

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

**Lab Sample ID: 885-1311-1 MS**  
**Matrix: Water**  
**Analysis Batch: 1819**

**Client Sample ID: LRG-01876**  
**Prep Type: Total/NA**

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

**Lab Sample ID: 885-1311-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 1819**

**Client Sample ID: LRG-01876**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	3.6		35.0	38.3		mg/L		99	80 - 120	0	20

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

**Lab Sample ID: MB 885-2074/1**  
**Matrix: Water**  
**Analysis Batch: 2074**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			03/21/24 10:05	1

**Lab Sample ID: LCS 885-2074/2**  
**Matrix: Water**  
**Analysis Batch: 2074**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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**  
**Matrix: Water**  
**Analysis Batch: 2510**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 2381**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/27/24 11:00	03/29/24 11:26	1

**Lab Sample ID: LCS 885-2381/35-A**  
**Matrix: Water**  
**Analysis Batch: 2510**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 2381**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	10.2		mg/L		103	90 - 110

# QC Sample Results

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

Job ID: 885-1311-1

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

Lab Sample ID: LLCS 885-2381/34-A  
Matrix: Water  
Analysis Batch: 2510

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2381

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.496	ND		mg/L		98	50 - 150

- 1
- 2
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- 6
- 7
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- 10
- 11

# QC Association Summary

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

Job ID: 885-1311-1

## 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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1311-1	LRG-01876	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	

### Prep Batch: 2381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1311-1	LRG-01876	Total/NA	Water	351.2	
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

# Lab Chronicle

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

Job ID: 885-1311-1

**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**

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
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	EET ALB	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  
Project/Site: Buena Vista Dairy 2

Job ID: 885-1311-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
351.2	351.2	Water	Nitrogen, Total Kjeldahl



# Login Sample Receipt Checklist

Client: EA Engineering

Job Number: 885-1311-1

**Login Number: 1311**

**List Number: 1**

**Creator: Lowman, Nick**

**List Source: Eurofins Albuquerque**

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





# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 4/10/2024 3:01:32 PM

## JOB DESCRIPTION

Dona Ana Dairies

## JOB NUMBER

885-839-1

# 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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4/10/2024 3:01:32 PM

Authorized for release by  
John Caldwell, Project Manager  
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# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	10
QC Association Summary . . . . .	14
Lab Chronicle . . . . .	16
Certification Summary . . . . .	17
Chain of Custody . . . . .	18
Receipt Checklists . . . . .	19

# Definitions/Glossary

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-839-1

## Qualifiers

### HPLC/IC

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

# Case Narrative

Client: EA Engineering  
Project: Dona Ana Dairies

Job ID: 885-839-1

**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.

Eurofins Albuquerque

# Client Sample Results

Client: EA Engineering  
 Project/Site: Dona Ana Dairies

Job ID: 885-839-1

**Client Sample ID: DAD-18**  
 Date Collected: 03/08/24 10:58  
 Date Received: 03/09/24 11:15

**Lab Sample ID: 885-839-1**  
 Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	670		50	mg/L			03/11/24 12:49	100
Nitrate Nitrite as N	9.8		1.0	mg/L			03/11/24 23:07	5

**General Chemistry**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2400		250	mg/L			03/13/24 11:55	1
Nitrogen, Total Kjeldahl (EPA 351.2)	0.98		0.50	mg/L		03/14/24 13:13	03/16/24 14:19	1



# Client Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-839-1

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

**Lab Sample ID: 885-839-2**  
Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

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	H	2.0	mg/L			04/06/24 01:33	10

**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



# Client Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-839-1

**Client Sample ID: DAD-25**  
Date Collected: 03/08/24 13:45  
Date Received: 03/09/24 11:15

**Lab Sample ID: 885-839-3**  
Matrix: Water

**Method: EPA 300.0 - Anions, 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**

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





# Client Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-839-1

**Client Sample ID: DAD-07**  
Date Collected: 03/08/24 15:26  
Date Received: 03/09/24 11:15

**Lab Sample ID: 885-839-4**  
Matrix: Water

## Method: EPA 300.0 - Anions, Ion Chromatography

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	H	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
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/14/24 13:13	03/16/24 14:40	1

# QC Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-839-1

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 885-1580/4**  
**Matrix: Water**  
**Analysis Batch: 1580**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/11/24 11:19	1

**Lab Sample ID: LCS 885-1580/5**  
**Matrix: Water**  
**Analysis Batch: 1580**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.79		mg/L		96	90 - 110

**Lab Sample ID: MRL 885-1580/3**  
**Matrix: Water**  
**Analysis Batch: 1580**

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.803	^3+	mg/L		161	50 - 150

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

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/11/24 11:19	1

**Lab Sample ID: LCS 885-1672/5**  
**Matrix: Water**  
**Analysis Batch: 1672**

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

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

**Lab Sample ID: MRL 885-1672/3**  
**Matrix: Water**  
**Analysis Batch: 1672**

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.200	0.217		mg/L		109	50 - 150

**Lab Sample ID: MB 885-2278/4**  
**Matrix: Water**  
**Analysis Batch: 2278**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/25/24 13:23	1

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.71		mg/L		94	90 - 110

Eurofins Albuquerque

# QC Sample Results

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**  
**Matrix: Water**  
**Analysis Batch: 2279**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/25/24 13:23	1

**Lab Sample ID: LCS 885-2279/5**  
**Matrix: Water**  
**Analysis Batch: 2279**

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

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

**Lab Sample ID: MB 885-2862/4**  
**Matrix: Water**  
**Analysis Batch: 2862**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			04/05/24 10:06	1

**Lab Sample ID: MB 885-2862/61**  
**Matrix: Water**  
**Analysis Batch: 2862**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			04/05/24 22:20	1

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	3.50	3.67		mg/L		105	90.0 - 110.0

**Lab Sample ID: LCS 885-2862/62**  
**Matrix: Water**  
**Analysis Batch: 2862**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	3.50	3.71		mg/L		106	90.0 - 110.0

**Lab Sample ID: MRL 885-2862/3**  
**Matrix: Water**  
**Analysis Batch: 2862**

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

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

# QC Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-839-1

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

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

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			03/13/24 11:55	1

Lab Sample ID: LCS 885-1644/2  
Matrix: Water  
Analysis Batch: 1644

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

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

Lab Sample ID: 885-839-3 DU  
Matrix: Water  
Analysis Batch: 1644

Client Sample ID: DAD-25  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	2200		2330		mg/L		5	10

## Method: 351.2 - Nitrogen, Total Kjeldahl

Lab Sample ID: MB 885-1722/30-A  
Matrix: Water  
Analysis Batch: 1882

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 1722

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/14/24 13:13	03/16/24 14:23	1

Lab Sample ID: MB 885-1722/3-A  
Matrix: Water  
Analysis Batch: 1882

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 1722

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/14/24 13:13	03/16/24 13:37	1

Lab Sample ID: LCS 885-1722/32-A  
Matrix: Water  
Analysis Batch: 1882

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	9.81		mg/L		99	90 - 110

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	9.94		mg/L		100	90 - 110

# QC Sample Results

Client: EA Engineering  
 Project/Site: Dona Ana Dairies

Job ID: 885-839-1

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

**Lab Sample ID: LLCS 885-1722/31-A**  
**Matrix: Water**  
**Analysis Batch: 1882**

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.496	0.591		mg/L		119	50 - 150

**Lab Sample ID: LLCS 885-1722/4-A**  
**Matrix: Water**  
**Analysis Batch: 1882**

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

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



# QC Association Summary

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-839-1

## 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	
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  
Project/Site: Dona Ana Dairies

Job ID: 885-839-1

## 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

# Lab Chronicle

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-839-1

**Client Sample ID: DAD-18**  
**Date Collected: 03/08/24 10:58**  
**Date Received: 03/09/24 11:15**

**Lab Sample ID: 885-839-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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	EET ALB	03/14/24 13:13
Total/NA	Analysis	351.2		1	1882	EH	EET ALB	03/16/24 14:19

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

**Lab Sample ID: 885-839-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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**  
**Date Collected: 03/08/24 13:45**  
**Date Received: 03/09/24 11:15**

**Lab Sample ID: 885-839-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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**  
**Date Collected: 03/08/24 15:26**  
**Date Received: 03/09/24 11:15**

**Lab Sample ID: 885-839-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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  
 Project/Site: Dona Ana Dairies

Job ID: 885-839-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
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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
351.2	351.2	Water	Nitrogen, Total Kjeldahl

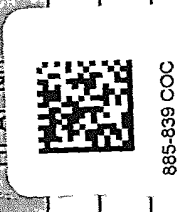


# Chain-of-Custody Record

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

QA/QC Package:  Standard  Level 4 (Full Validation)  
 Accreditation:  AZ Compliance  NELAC  Other  
 EDD (Type)

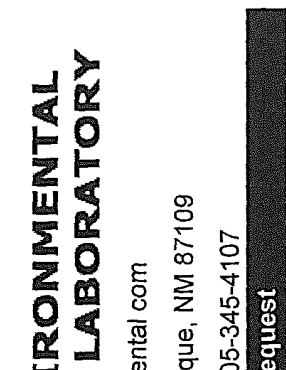
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
3-8	10:58	Gw	DAD-18	2		
3-8	11:46	Gw	DAD-08	2		
3-8	13:45	Gw	DAD-25	2		
3-8	15:26	Gw	DAD-07	2		



Turn-Around Time:  Standard  Rush  
 Project Name: Dona Ana Dairies (DAD'S)  
 Project #: 320 Gold Ave SW Suite  
 Phone #: 505-715-4279  
 email or Fax#: rmulien@east.com

Project Manager: Gina Mullen  
 Sampler: Angel N. Rivera  
 On Ice:  Yes  No  
 # of Coolers: 1  
 Cooler Temp (including CF): 0.4 to 0.1 = 0.5 C

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



## Analysis Request

Parameter	Method	Result
Nitrate/Nitrites	EPA Method 300	X
TKN SM 4500 NORC C		X
Chloride EPA 300		X
TDS SM 2540 C MOD		X
Sulfate EPA 300		
Phosphorus EPA 6010B		
Total Sulfur		

Date	Time	Relinquished by	Date	Time	Received by	Date	Time
3-8	17:22	<i>Angel N. Rivera</i>	3-9-24	11:15	Via FedEx Sat delivery	3-9-24	11:15

Remarks:

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



# Login Sample Receipt Checklist

Client: EA Engineering

Job Number: 885-839-1

**Login Number: 839**

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

 **ANALYTICAL REPORT****PREPARED FOR**

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

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

**JOB DESCRIPTION**

Dona Ana Dairies

**JOB NUMBER**

885-533-1

# 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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# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	7
QC Association Summary . . . . .	10
Lab Chronicle . . . . .	12
Certification Summary . . . . .	13
Method Summary . . . . .	14
Chain of Custody . . . . .	15
Receipt Checklists . . . . .	16

# Definitions/Glossary

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-533-1

## Glossary

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

# Case Narrative

Client: EA Engineering  
Project: Dona Ana Dairies

Job ID: 885-533-1

**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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# Client Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-533-1

**Client Sample ID: DAD-04**  
Date Collected: 03/05/24 09:35  
Date Received: 03/06/24 08:40

**Lab Sample ID: 885-533-1**  
Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

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 351.2)	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  
Date Received: 03/06/24 08:40

**Lab Sample ID: 885-533-2**  
Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		50	mg/L			03/07/24 11:56	100
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 351.2)	0.51		0.50	mg/L		03/12/24 11:07	03/13/24 15:25	1

**Client Sample ID: DAD-06R**  
Date Collected: 03/05/24 12:50  
Date Received: 03/06/24 08:40

**Lab Sample ID: 885-533-3**  
Matrix: Water

**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

**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  
Date Received: 03/06/24 08:40

**Lab Sample ID: 885-533-4**  
Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

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

# QC Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-533-1

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 885-1462/4**  
**Matrix: Water**  
**Analysis Batch: 1462**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/07/24 10:29	1

**Lab Sample ID: LCS 885-1462/5**  
**Matrix: Water**  
**Analysis Batch: 1462**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.79		mg/L		96	90 - 110

**Lab Sample ID: MRL 885-1462/3**  
**Matrix: Water**  
**Analysis Batch: 1462**

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

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

**Lab Sample ID: MB 885-1463/16**  
**Matrix: Water**  
**Analysis Batch: 1463**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/07/24 10:29	1

**Lab Sample ID: LCS 885-1463/17**  
**Matrix: Water**  
**Analysis Batch: 1463**

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

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

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

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

**Lab Sample ID: 885-533-1 MS**  
**Matrix: Water**  
**Analysis Batch: 1463**

**Client Sample ID: DAD-04**  
**Prep Type: Total/NA**

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

**Lab Sample ID: 885-533-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 1463**

**Client Sample ID: DAD-04**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	ND		35.0	35.3		mg/L		97	80 - 120	1	20

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# QC Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-533-1

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

**Lab Sample ID: MB 885-1614/1**  
**Matrix: Water**  
**Analysis Batch: 1614**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			03/08/24 11:17	1

**Lab Sample ID: LCS 885-1614/2**  
**Matrix: Water**  
**Analysis Batch: 1614**

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

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

**Lab Sample ID: 885-533-1 DU**  
**Matrix: Water**  
**Analysis Batch: 1614**

**Client Sample ID: DAD-04**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	2200		2220		mg/L		0.2	10

## Method: 351.2 - Nitrogen, Total Kjeldahl

**Lab Sample ID: MB 885-1577/3-A**  
**Matrix: Water**  
**Analysis Batch: 1765**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 1577**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/12/24 11:07	03/13/24 14:40	1

**Lab Sample ID: MB 885-1577/3-A**  
**Matrix: Water**  
**Analysis Batch: 1765**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 1577**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/12/24 11:07	03/13/24 15:26	1

**Lab Sample ID: LCS 885-1577/45-A**  
**Matrix: Water**  
**Analysis Batch: 1765**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1577**

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

**Lab Sample ID: LCS 885-1577/5-A**  
**Matrix: Water**  
**Analysis Batch: 1765**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1577**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	9.99		mg/L		101	90 - 110

# QC Sample Results

Client: EA Engineering  
 Project/Site: Dona Ana Dairies

Job ID: 885-533-1

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

**Lab Sample ID: LLCS 885-1577/44-A**  
**Matrix: Water**  
**Analysis Batch: 1765**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1577**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%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 Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1577**

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



# QC Association Summary

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-533-1

## 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  
Project/Site: Dona Ana Dairies

Job ID: 885-533-1

## 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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

# Lab Chronicle

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-533-1

**Client Sample ID: DAD-04**  
**Date Collected: 03/05/24 09:35**  
**Date Received: 03/06/24 08:40**

**Lab Sample ID: 885-533-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared 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	EET ALB	03/12/24 11:07
Total/NA	Analysis	351.2		1	1765	EH	EET ALB	03/13/24 15:23

**Client Sample ID: DAD-16**  
**Date Collected: 03/05/24 11:00**  
**Date Received: 03/06/24 08:40**

**Lab Sample ID: 885-533-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		10	1463	RC	EET ALB	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**  
**Date Collected: 03/05/24 12:50**  
**Date Received: 03/06/24 08:40**

**Lab Sample ID: 885-533-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		10	1462	RC	EET ALB	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	EET ALB	03/13/24 15:19

**Client Sample ID: DAD-15**  
**Date Collected: 03/05/24 15:10**  
**Date Received: 03/06/24 08:40**

**Lab Sample ID: 885-533-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		10	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

# Accreditation/Certification Summary

Client: EA Engineering  
 Project/Site: Dona Ana Dairies

Job ID: 885-533-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
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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
351.2	351.2	Water	Nitrogen, Total Kjeldahl





# 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



# Chain-of-Custody Record

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

QA/QC Package:  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC  Other  
 EDD (Type)

Date	Time	Matrix	Sample Name
3-5	9:35	Gw	DAD-04
3-5	11:00	Gw	DAD-16
3-5	12:50	Gw	DAD-06R
3-5	15:10	Gw	DAD-15

Turn-Around Time  
 Standard  Rush  
 Project Name:  
 Dona Ana Dairies (DAD'S)  
 Project #:  
 Project Manager:  
 Gina Mullen  
 Sampler: Angel N Rivera  
 On Ice:  Yes  No  
 # of Coolers: 1  
 Cooler Temp: (including CFM) 10 - 01 59°C  
 Container Type and #  
 Preservative Type  
 885-533 COC

Date: 3-5  
 Time: 17:00  
 Relinquished by: *[Signature]*  
 Date: 3-6-24  
 Time: 8:40  
 Received by: *[Signature]*  
 Via: *fedex*  
 Date: 3-6-24  
 Time: 8:40



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

## Analysis Request

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

Remarks:



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

# Login Sample Receipt Checklist

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.	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	



 **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

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

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



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	7
QC Association Summary . . . . .	9
Lab Chronicle . . . . .	10
Certification Summary . . . . .	11
Method Summary . . . . .	12
Chain of Custody . . . . .	13
Receipt Checklists . . . . .	14

# Definitions/Glossary

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-434-1

## Glossary

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

# Case Narrative

Client: EA Engineering  
Project: Dona Ana Dairies

Job ID: 885-434-1

**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.

Eurofins Albuquerque



# Client Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-434-1

**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

**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
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		0.50	mg/L		03/14/24 13:13	03/16/24 13:55	1

**Client Sample ID: DAD-02**  
Date Collected: 03/04/24 11:45  
Date Received: 03/05/24 08:40

**Lab Sample ID: 885-434-2**  
Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	700		50	mg/L			03/05/24 14:00	100
Nitrate Nitrite as N	6.4		2.0	mg/L			03/05/24 13:47	10

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

**Lab Sample ID: 885-434-3**  
Matrix: Water

**Method: EPA 300.0 - Anions, Ion Chromatography**

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 351.2)	0.74		0.50	mg/L		03/14/24 13:13	03/16/24 13:58	1

# QC Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-434-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1361/4  
Matrix: Water  
Analysis Batch: 1361

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/05/24 11:39	1

Lab Sample ID: LCS 885-1361/5  
Matrix: Water  
Analysis Batch: 1361

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

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

Lab Sample ID: MRL 885-1361/3  
Matrix: Water  
Analysis Batch: 1361

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

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

Lab Sample ID: MB 885-1362/4  
Matrix: Water  
Analysis Batch: 1362

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/05/24 11:39	1

Lab Sample ID: LCS 885-1362/5  
Matrix: Water  
Analysis Batch: 1362

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

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

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

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

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

Lab Sample ID: MB 885-1424/1  
Matrix: Water  
Analysis Batch: 1424

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			03/07/24 12:14	1

# QC Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-434-1

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

**Lab Sample ID: LCS 885-1424/2**  
**Matrix: Water**  
**Analysis Batch: 1424**

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

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

## Method: 351.2 - Nitrogen, Total Kjeldahl

**Lab Sample ID: MB 885-1722/3-A**  
**Matrix: Water**  
**Analysis Batch: 1882**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 1722**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/14/24 13:13	03/16/24 13:37	1

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	9.94		mg/L		100	90 - 110

**Lab Sample ID: LLCS 885-1722/4-A**  
**Matrix: Water**  
**Analysis Batch: 1882**

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

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

# QC Association Summary

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-434-1

## HPLC/IC

### Analysis Batch: 1361

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 885-1361/4	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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-434-1	DAD-23	Total/NA	Water	351.2	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

# Lab Chronicle

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-434-1

**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**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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	EET ALB	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**  
**Date Collected: 03/04/24 11:45**  
**Date Received: 03/05/24 08:40**

**Lab Sample ID: 885-434-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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**  
**Date Collected: 03/04/24 13:55**  
**Date Received: 03/05/24 08:40**

**Lab Sample ID: 885-434-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		10	1362	SS	EET ALB	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	EET ALB	03/14/24 13:13
Total/NA	Analysis	351.2		1	1882	EH	EET ALB	03/16/24 13:58

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: EA Engineering  
 Project/Site: Dona Ana Dairies

Job ID: 885-434-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
351.2	351.2	Water	Nitrogen, Total Kjeldahl



# 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



# Chain-of-Custody Record

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

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

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

Sampler: Angel N. Rivera  
 On Ice:  Yes  No  
 # of Coolers: 1  
 Cooler Temp (including CPV): 1.7  
 Date: 3/15/24

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
3-4	10:28	GW	DAD-23	2		
3-4	11:45	GW	DAD-02	2		
3-4	13:55	GW	DAD-03	2		

Date	Time	Received by:	Via:	Date	Time	Remarks
3-4	15:30	[Signature]	Federal	3/15/24	8:40	
		Received by:	Via:	Date	Time	Remarks



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



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.



# Login Sample Receipt Checklist

Client: EA Engineering

Job Number: 885-434-1

**Login Number: 434**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Dominguez, Desiree**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# ANALYTICAL REPORT

## PREPARED FOR

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

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

## JOB DESCRIPTION

Mountain View Dairy

## JOB NUMBER

885-1083-1

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

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



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	7
QC Association Summary . . . . .	10
Lab Chronicle . . . . .	12
Certification Summary . . . . .	13
Chain of Custody . . . . .	14
Receipt Checklists . . . . .	15

# Definitions/Glossary

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1083-1

## Glossary

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

# Case Narrative

Client: EA Engineering  
Project: Mountain View Dairy

Job ID: 885-1083-1

**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.

Eurofins Albuquerque

# Client Sample Results

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1083-1

**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 Chromatography**

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 - Metals (ICP) - Total Recoverable**

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

# QC Sample Results

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1083-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1695/4  
Matrix: Water  
Analysis Batch: 1695

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/13/24 16:52	1

Lab Sample ID: LCS 885-1695/5  
Matrix: Water  
Analysis Batch: 1695

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.84		mg/L		97	90 - 110

Lab Sample ID: MRL 885-1695/3  
Matrix: Water  
Analysis Batch: 1695

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.536		mg/L		107	50 - 150

Lab Sample ID: MB 885-1696/4  
Matrix: Water  
Analysis Batch: 1696

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/13/24 16:52	1

Lab Sample ID: LCS 885-1696/5  
Matrix: Water  
Analysis Batch: 1696

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

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

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

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

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

Lab Sample ID: MB 885-1784/1-A  
Matrix: Water  
Analysis Batch: 2244

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 1784

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfur	ND		1.0	mg/L		03/15/24 12:01	03/22/24 11:59	1



# QC Sample Results

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1083-1

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

Lab Sample ID: LCS 885-1784/3-A  
Matrix: Water  
Analysis Batch: 2244

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 1784

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfur	50.0	46.3		mg/L		93	85 - 115

Lab Sample ID: LLCS 885-1784/2-A  
Matrix: Water  
Analysis Batch: 2244

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 1784

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfur	1.00	ND		mg/L		88	50 - 150

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

Lab Sample ID: MB 885-1945/1  
Matrix: Water  
Analysis Batch: 1945

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			03/19/24 13:42	1

Lab Sample ID: LCS 885-1945/2  
Matrix: Water  
Analysis Batch: 1945

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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  
Matrix: Water  
Analysis Batch: 2121

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 2004

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/20/24 11:25	03/21/24 15:18	1

Lab Sample ID: LCS 885-2004/35-A  
Matrix: Water  
Analysis Batch: 2121

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2004

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	10.1		mg/L		102	90 - 110

Lab Sample ID: LLCS 885-2004/34-A  
Matrix: Water  
Analysis Batch: 2121

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2004

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.496	ND		mg/L		95	50 - 150

# QC Sample Results

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1083-1

## Method: 365.1 - Phosphorus, Total

**Lab Sample ID: MB 885-2035/3-A**  
**Matrix: Water**  
**Analysis Batch: 2097**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 2035**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.050	mg/L		03/20/24 15:37	03/21/24 10:44	1

**Lab Sample ID: LCS 885-2035/4-A**  
**Matrix: Water**  
**Analysis Batch: 2097**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 2035**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.250	0.247		mg/L		99	90 - 110



# QC Association Summary

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1083-1

## 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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1083-1	70-Lagoon	Total Recoverable	Water	200.7 Rev 4.4	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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1083-1	70-Lagoon	Total/NA	Water	2540C	
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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1083-1	70-Lagoon	Total/NA	Water	365.2/365.3/365	
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

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# QC Association Summary

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1083-1

## 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

# Lab Chronicle

Client: EA Engineering  
Project/Site: Mountain View Dairy

Job ID: 885-1083-1

**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**

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
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	EET ALB	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	EET ALB	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  
 Project/Site: Mountain View Dairy

Job ID: 885-1083-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
300.0		Water	Chloride
300.0		Water	Nitrate Nitrite as N
351.2	351.2	Water	Nitrogen, Total Kjeldahl
365.1	365.2/365.3/365	Water	Total Phosphorus as P

Oregon	NELAP	NM100001	02-26-25
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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 Number: 1**

**Creator: Casarrubias, Tracy**

**List Source: Eurofins Albuquerque**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	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	





 **ANALYTICAL REPORT****PREPARED FOR**

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

Generated 4/8/2024 1:02:22 PM

**JOB DESCRIPTION**

Bright Star Dairy

**JOB NUMBER**

885-1074-1

# 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](mailto:john.caldwell@et.eurofinsus.com)  
(505)345-3975



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	7
QC Association Summary . . . . .	9
Lab Chronicle . . . . .	10
Certification Summary . . . . .	11
Chain of Custody . . . . .	12
Receipt Checklists . . . . .	13

# Definitions/Glossary

Client: EA Engineering  
Project/Site: Bright Star Dairy

Job ID: 885-1074-1

## Glossary

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

# Case Narrative

Client: EA Engineering  
Project: Bright Star Dairy

Job ID: 885-1074-1

**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.

Eurofins Albuquerque

# Client Sample Results

Client: EA Engineering  
 Project/Site: Bright Star Dairy

Job ID: 885-1074-1

**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 - Metals (ICP) - Total Recoverable**

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 351.2)	1900		63	mg/L		03/20/24 11:25	03/21/24 15:17	5

# QC Sample Results

Client: EA Engineering  
Project/Site: Bright Star Dairy

Job ID: 885-1074-1

## 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**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/13/24 16:52	1

**Lab Sample ID: LCS 885-1696/5**  
**Matrix: Water**  
**Analysis Batch: 1696**

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

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

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

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

**Lab Sample ID: MB 885-2064/5**  
**Matrix: Water**  
**Analysis Batch: 2064**

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

Analyte	MB Result	MB 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**

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

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

**Lab Sample ID: MRL 885-2064/4**  
**Matrix: Water**  
**Analysis Batch: 2064**

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%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**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 1794**

Analyte	MB Result	MB 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

# QC Sample Results

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  
Matrix: Water  
Analysis Batch: 2244

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 1794

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfur	50.0	46.3		mg/L		93	85 - 115

Lab Sample ID: LLCS 885-1794/2-A  
Matrix: Water  
Analysis Batch: 2244

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 1794

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfur	1.00	1.08		mg/L		108	50 - 150

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

Lab Sample ID: MB 885-1840/1  
Matrix: Water  
Analysis Batch: 1840

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

Analyte	MB Result	MB 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  
Analysis Batch: 1840

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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  
Matrix: Water  
Analysis Batch: 2121

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 2004

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/20/24 11:25	03/21/24 14:32	1

Lab Sample ID: LCS 885-2004/8-A  
Matrix: Water  
Analysis Batch: 2121

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2004

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	9.78		mg/L		99	90 - 110

Lab Sample ID: LLCS 885-2004/7-A  
Matrix: Water  
Analysis Batch: 2121

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 2004

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.496	ND		mg/L		89	50 - 150



# QC Association Summary

Client: EA Engineering  
Project/Site: Bright Star Dairy

Job ID: 885-1074-1

## 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	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1074-1	340 - 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: 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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1074-1	340 - Lagoon	Total Recoverable	Water	200.7 Rev 4.4	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

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1074-1	340 - 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: 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

# Lab Chronicle

Client: EA Engineering  
Project/Site: Bright Star Dairy

Job ID: 885-1074-1

**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**

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dilution Factor</u>	<u>Batch Number</u>	<u>Analyst</u>	<u>Lab</u>	<u>Prepared or Analyzed</u>
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	EET ALB	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	EET ALB	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

# Accreditation/Certification Summary

Client: EA Engineering  
 Project/Site: Bright Star Dairy

Job ID: 885-1074-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
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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: 885-1074-1

**Login Number: 1074**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Lowman, Nick**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 4/3/2024 11:41:05 AM

## JOB DESCRIPTION

Dona Ana Dairies

## JOB NUMBER

885-976-1

# 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  
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(505)345-3975



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	12
QC Association Summary . . . . .	14
Lab Chronicle . . . . .	16
Certification Summary . . . . .	18
Chain of Custody . . . . .	19
Receipt Checklists . . . . .	20



# Definitions/Glossary

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-976-1

## 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.
α	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

# Case Narrative

Client: EA Engineering  
Project: Dona Ana Dairies

Job ID: 885-976-1

**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

# Client Sample Results

Client: EA Engineering  
 Project/Site: Dona Ana Dairies

Job ID: 885-976-1

**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**

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		50	mg/L			03/12/24 18:17	100
Nitrate Nitrite as N	ND		2.0	mg/L			03/12/24 18:04	10

**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



# Client Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-976-1

**Client Sample ID: DAD-21**  
**Date Collected: 03/11/24 11:50**  
**Date Received: 03/12/24 08:59**

**Lab Sample ID: 885-976-2**  
**Matrix: Water**

## Method: EPA 300.0 - Anions, Ion Chromatography

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

# Client Sample Results

Client: EA Engineering  
 Project/Site: Dona Ana Dairies

Job ID: 885-976-1

**Client Sample ID: DAD-09**  
**Date Collected: 03/11/24 13:05**  
**Date Received: 03/12/24 08:59**

**Lab Sample ID: 885-976-3**  
**Matrix: Water**

**Method: EPA 300.0 - Anions, Ion Chromatography**

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 Sample Results

Client: EA Engineering  
 Project/Site: Dona Ana Dairies

Job ID: 885-976-1

**Client Sample ID: DAD-22**  
**Date Collected: 03/11/24 14:06**  
**Date Received: 03/12/24 08:59**

**Lab Sample ID: 885-976-4**  
**Matrix: Water**

**Method: EPA 300.0 - Anions, Ion Chromatography**

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
<b>Total Dissolved Solids (SM 2540C)</b>	<b>2300</b>		250	mg/L			03/14/24 12:58	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND	F1	0.50	mg/L		03/19/24 10:37	03/20/24 15:00	1



# Client Sample Results

Client: EA Engineering  
 Project/Site: Dona Ana Dairies

Job ID: 885-976-1

**Client Sample ID: DAD-27**  
**Date Collected: 03/11/24 15:30**  
**Date Received: 03/12/24 08:59**

**Lab Sample ID: 885-976-5**  
**Matrix: Water**

**Method: EPA 300.0 - Anions, Ion Chromatography**

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	1



# Client Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-976-1

**Client Sample ID: DAD-26**  
**Date Collected: 03/11/24 16:52**  
**Date Received: 03/12/24 08:59**

**Lab Sample ID: 885-976-6**  
**Matrix: Water**

## Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	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



# QC Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-976-1

## 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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/12/24 09:24	1

Lab Sample ID: LCS 885-1640/5  
Matrix: Water  
Analysis Batch: 1640

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

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

Lab Sample ID: MRL 885-1640/3  
Matrix: Water  
Analysis Batch: 1640

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.548		mg/L		110	50 - 150

Lab Sample ID: MB 885-1643/4  
Matrix: Water  
Analysis Batch: 1643

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/12/24 09:24	1

Lab Sample ID: LCS 885-1643/5  
Matrix: Water  
Analysis Batch: 1643

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

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

Lab Sample ID: MRL 885-1643/3  
Matrix: Water  
Analysis Batch: 1643

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	0.200	0.207		mg/L		104	50 - 150

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

Lab Sample ID: MB 885-1711/1  
Matrix: Water  
Analysis Batch: 1711

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			03/14/24 12:58	1

# QC Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-976-1

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

**Lab Sample ID: MB 885-1716/1**  
**Matrix: Water**  
**Analysis Batch: 1716**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			03/13/24 13:01	1

**Lab Sample ID: LCS 885-1716/2**  
**Matrix: Water**  
**Analysis Batch: 1716**

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

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

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 1933**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/19/24 10:37	03/20/24 14:56	1

**Lab Sample ID: LCS 885-1933/8-A**  
**Matrix: Water**  
**Analysis Batch: 2459**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1933**

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

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 1933**

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	0.496	ND		mg/L		85	50 - 150

**Lab Sample ID: 885-976-4 MS**  
**Matrix: Water**  
**Analysis Batch: 2459**

**Client Sample ID: DAD-22**  
**Prep Type: Total/NA**  
**Prep Batch: 1933**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	ND	F1	9.91	4.43	F1	mg/L		45	90 - 110

**Lab Sample ID: 885-976-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 2459**

**Client Sample ID: DAD-22**  
**Prep Type: Total/NA**  
**Prep Batch: 1933**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Total Kjeldahl	ND	F1	9.91	4.97	F1	mg/L		50	90 - 110	12	20

# QC Association Summary

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-976-1

## 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	
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	

Eurofins Albuquerque

# QC Association Summary

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-976-1

## 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  
Project/Site: Dona Ana Dairies

Job ID: 885-976-1

**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**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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	EET ALB	03/19/24 10:37
Total/NA	Analysis	351.2		1	2459	EH	EET ALB	03/20/24 15:05

**Client Sample ID: DAD-21**  
**Date Collected: 03/11/24 11:50**  
**Date Received: 03/12/24 08:59**

**Lab Sample ID: 885-976-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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	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 15:06

**Client Sample ID: DAD-09**  
**Date Collected: 03/11/24 13:05**  
**Date Received: 03/12/24 08:59**

**Lab Sample ID: 885-976-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	300.0		10	1643	SS	EET ALB	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	EET ALB	03/19/24 10:37
Total/NA	Analysis	351.2		1	2459	EH	EET ALB	03/20/24 15:08

**Client Sample ID: DAD-22**  
**Date Collected: 03/11/24 14:06**  
**Date Received: 03/12/24 08:59**

**Lab Sample ID: 885-976-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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	EET ALB	03/19/24 10:37
Total/NA	Analysis	351.2		1	2459	EH	EET ALB	03/20/24 15:00

# Lab Chronicle

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-976-1

**Client Sample ID: DAD-27**  
**Date Collected: 03/11/24 15:30**  
**Date Received: 03/12/24 08:59**

**Lab Sample ID: 885-976-5**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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	EET ALB	03/19/24 10:37
Total/NA	Analysis	351.2		1	2459	EH	EET ALB	03/20/24 15:09

**Client Sample ID: DAD-26**  
**Date Collected: 03/11/24 16:52**  
**Date Received: 03/12/24 08:59**

**Lab Sample ID: 885-976-6**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

# Accreditation/Certification Summary

Client: EA Engineering  
 Project/Site: Dona Ana Dairies

Job ID: 885-976-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
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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
351.2	351.2	Water	Nitrogen, Total Kjeldahl



# Chain-of-Custody Record

Client: \_\_\_\_\_

EA Engineering, Science, and Technology  
Mailing Address: \_\_\_\_\_

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

email or Fax#: rnullen@east.com

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

Accreditation:  Az Compliance  NELAC  Other \_\_\_\_\_

EDD (Type) \_\_\_\_\_

Turn-Around Time  Standard  Rush

Project Name: Dona Ana Dairies (DAD'S)

Project #: \_\_\_\_\_

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice:  Yes  No  Yes

# of Coolers: 1

Cooler Temp (including CO<sub>2</sub>): -21.0 ± 0.2 = -21.0



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

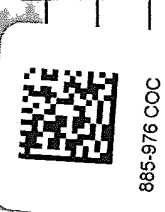
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	Nitrate/Nitrites EPA Method 300	TKN SM 4500 NORG C	Chloride EPA 300	TDS SM 2540 C MOD	Sulfate EPA 300	Phosphorus EPA 6010B	Total Sulfur
3-11	10:00	Gw	DAD-10	2		X	X	X	X			
3-11	11:50	Gw	DAD-21	2		X	X	X	X			
3-11	13:05	Gw	DAD-09	2		X	X	X	X			
3-11	14:06	Gw	DAD-22	2		X	X	X	X			
3-11	15:30	Gw	DAD-27	2		X	X	X	X			
3-11	16:52	Gw	DAD-26	2		X	X	X	X			

Analysis Request

Received by: Care Goley Date: 3/12/24 Time: 0854

Relinquished by: Chad Mullen Date: \_\_\_\_\_ Time: \_\_\_\_\_

Remarks: \_\_\_\_\_



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





# 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	



# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 4/3/2024 1:00:16 PM

## JOB DESCRIPTION

Dona Ana Dairies

## JOB NUMBER

885-792-1

# 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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4/3/2024 1:00:16 PM

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



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Client Sample Results . . . . .	6
QC Sample Results . . . . .	10
QC Association Summary . . . . .	13
Lab Chronicle . . . . .	15
Certification Summary . . . . .	16
Chain of Custody . . . . .	17
Receipt Checklists . . . . .	18

# Definitions/Glossary

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-792-1

## 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.
α	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

# Case Narrative

Client: EA Engineering  
Project: Dona Ana Dairies

Job ID: 885-792-1

**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

# Client Sample Results

Client: EA Engineering  
 Project/Site: Dona Ana Dairies

Job ID: 885-792-1

**Client Sample ID: DAD-24**  
 Date Collected: 03/07/24 10:50  
 Date Received: 03/08/24 09:15

**Lab Sample ID: 885-792-1**  
 Matrix: Water

**Method: EPA 300.0 - Anions, 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	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	2900	E	50	mg/L			03/12/24 15:53	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND	F1	0.50	mg/L		03/14/24 13:13	03/16/24 13:41	1



# Client Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-792-1

**Client Sample ID: DAD-19**  
Date Collected: 03/07/24 12:25  
Date Received: 03/08/24 09:15

**Lab Sample ID: 885-792-2**  
Matrix: Water

**Method: EPA 300.0 - Anions, 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**

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 Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-792-1

**Client Sample ID: DAD-17**  
Date Collected: 03/07/24 14:15  
Date Received: 03/08/24 09:15

**Lab Sample ID: 885-792-3**  
Matrix: Water

## Method: EPA 300.0 - Anions, 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
Total Dissolved Solids (SM 2540C)	680		50	mg/L			03/12/24 15:53	1
Nitrogen, Total Kjeldahl (EPA 351.2)	ND		1.0	mg/L		03/14/24 13:13	03/16/24 13:47	2

# Client Sample Results

Client: EA Engineering  
 Project/Site: Dona Ana Dairies

Job ID: 885-792-1

**Client Sample ID: DAD-05**  
**Date Collected: 03/07/24 15:43**  
**Date Received: 03/08/24 09:15**

**Lab Sample ID: 885-792-4**  
**Matrix: Water**

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		50	mg/L			03/12/24 15:15	100
Nitrate Nitrite as N	ND		1.0	mg/L			03/12/24 22:07	5

**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 351.2)	3.6		0.50	mg/L		03/14/24 13:13	03/16/24 13:49	1



# QC Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-792-1

## 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**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			03/12/24 09:40	1

**Lab Sample ID: LCS 885-1635/5**  
**Matrix: Water**  
**Analysis Batch: 1635**

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

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

**Lab Sample ID: MRL 885-1635/3**  
**Matrix: Water**  
**Analysis Batch: 1635**

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.525		mg/L		105	50 - 150

**Lab Sample ID: 885-792-1 MS**  
**Matrix: Water**  
**Analysis Batch: 1635**

**Client Sample ID: DAD-24**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1400		50.0	1420	4	mg/L		-69	80 - 120

**Lab Sample ID: 885-792-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 1635**

**Client Sample ID: DAD-24**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1400		50.0	1410	4	mg/L		-76	80 - 120	0	20

**Lab Sample ID: MB 885-1636/4**  
**Matrix: Water**  
**Analysis Batch: 1636**

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	ND		0.20	mg/L			03/12/24 09:40	1

**Lab Sample ID: LCS 885-1636/5**  
**Matrix: Water**  
**Analysis Batch: 1636**

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

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

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

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

Eurofins Albuquerque

# QC Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-792-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-792-1 MS  
Matrix: Water  
Analysis Batch: 1636

Client Sample ID: DAD-24  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate Nitrite as N	6.0		35.0	41.2		mg/L		101	80 - 120

Lab Sample ID: 885-792-1 MSD  
Matrix: Water  
Analysis Batch: 1636

Client Sample ID: DAD-24  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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  
Matrix: Water  
Analysis Batch: 1612

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			03/12/24 15:53	1

Lab Sample ID: LCS 885-1612/2  
Matrix: Water  
Analysis Batch: 1612

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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  
Matrix: Water  
Analysis Batch: 1882

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 1722

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Total Kjeldahl	ND		0.50	mg/L		03/14/24 13:13	03/16/24 13:37	1

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

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	9.91	9.94		mg/L		100	90 - 110

Lab Sample ID: LLCS 885-1722/4-A  
Matrix: Water  
Analysis Batch: 1882

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

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

Eurofins Albuquerque

# QC Sample Results

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-792-1

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

**Lab Sample ID: 885-792-1 MS**  
**Matrix: Water**  
**Analysis Batch: 1882**

**Client Sample ID: DAD-24**  
**Prep Type: Total/NA**  
**Prep Batch: 1722**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrogen, Total Kjeldahl	ND	F1	9.91	8.15	F1	mg/L		82	90 - 110

**Lab Sample ID: 885-792-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 1882**

**Client Sample ID: DAD-24**  
**Prep Type: Total/NA**  
**Prep Batch: 1722**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrogen, Total Kjeldahl	ND	F1	9.91	8.75	F1	mg/L		88	90 - 110	7	20

# QC Association Summary

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-792-1

## 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	
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

Eurofins Albuquerque

# QC Association Summary

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-792-1

## General Chemistry (Continued)

### Analysis Batch: 1882 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
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
885-792-1 MS	DAD-24	Total/NA	Water	351.2	1722
885-792-1 MSD	DAD-24	Total/NA	Water	351.2	1722

- 1
- 2
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- 11

# Lab Chronicle

Client: EA Engineering  
Project/Site: Dona Ana Dairies

Job ID: 885-792-1

**Client Sample ID: DAD-24**  
**Date Collected: 03/07/24 10:50**  
**Date Received: 03/08/24 09:15**

**Lab Sample ID: 885-792-1**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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

**Client Sample ID: DAD-19**  
**Date Collected: 03/07/24 12:25**  
**Date Received: 03/08/24 09:15**

**Lab Sample ID: 885-792-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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	EET ALB	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**  
**Date Collected: 03/07/24 14:15**  
**Date Received: 03/08/24 09:15**

**Lab Sample ID: 885-792-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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	EET ALB	03/14/24 13:13
Total/NA	Analysis	351.2		2	1882	EH	EET ALB	03/16/24 13:47

**Client Sample ID: DAD-05**  
**Date Collected: 03/07/24 15:43**  
**Date Received: 03/08/24 09:15**

**Lab Sample ID: 885-792-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared 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  
 Project/Site: Dona Ana Dairies

Job ID: 885-792-1

## Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes 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
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
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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
351.2	351.2	Water	Nitrogen, Total Kjeldahl



# Chain-of-Custody Record

Client: \_\_\_\_\_

EA Engineering, Science, and Technology  
Mailing Address: \_\_\_\_\_

320 Gold Ave SW Suite \_\_\_\_\_  
Phone #: 505-715-4279  
email or Fax#: rmulen@eaeast.com

QA/QC Package: \_\_\_\_\_  
 Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  
 NELAC  Other \_\_\_\_\_  
 EDD (Type) \_\_\_\_\_

Turn-Around Time: \_\_\_\_\_  
 Standard  Rush

Project Name: \_\_\_\_\_  
 Dona Ana Dairies (DAD'S)  
 Project #: \_\_\_\_\_

Project Manager: \_\_\_\_\_  
 Gina Mullen

Sampler: Angel N. Rivera  
 On Ice:  Yes  No  
 # of Coolers: 1  
 Cooler Temp (including CP): 04-0709

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type
3-7	10:50	Gw	DAD-24	2	
3-7	12:25	Gw	DAD-19	2	
3-7	14:15	Gw	DAD-17	2	
3-7	15:43	Gw	DAD-05	2	

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

Date: 3-7 Time: 17:10 Relinquished by: *Carol Mullen*

Date: 3-7 Time: 17:10 Relinquished by: \_\_\_\_\_

Received by: \_\_\_\_\_ Date: 3/8/24 Time: 9:15  
 Via: FedEx

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Via: \_\_\_\_\_



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

**Analysis Request**

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.



# 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**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	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	



**Glorieta  
Geoscience**  
A Division of GZA

- WATER / WATER RIGHTS
- GEOTECHNICAL
- 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 1<sup>st</sup> 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](mailto:Samantha.carver@gza.com).

Monitoring Well	DTW (ft)	TDS (mg/L)	Cl (mg/L)	TKN (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	EC $\mu$ S	pH	Temp $^{\circ}$ 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.

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](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402740

Date Reported: 3/2/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	2800	50.0	*	mg/L	1	2/21/2024 3:13:00 PM	80547
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402740

Date Reported: 3/2/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	2790	50.0	*	mg/L	1	2/21/2024 3:13:00 PM	80547
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402740

Date Reported: 3/2/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	1080	100	*D	mg/L	1	2/21/2024 3:13:00 PM	80547
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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



# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402740

Date Reported: 3/2/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	2680	50.0	*	mg/L	1	2/21/2024 3:13:00 PM	80547
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2402740

02-Mar-24

**Client:** EA Engineering  
**Project:** Dominguez Dairy 2

Sample ID: <b>MB</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103127</b>	RunNo: <b>103127</b>								
Prep Date:	Analysis Date: <b>2/15/2024</b>	SeqNo: <b>3813236</b>			Units: <b>mg/L</b>					
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: <b>LCS</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103127</b>	RunNo: <b>103127</b>								
Prep Date:	Analysis Date: <b>2/15/2024</b>	SeqNo: <b>3813237</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	95.2	90	110			
Nitrogen, Nitrite (As N)	0.98	0.10	1.000	0	97.8	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	101	90	110			

## Qualifiers:

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402740

02-Mar-24

**Client:** EA Engineering  
**Project:** Dominguez Dairy 2

Sample ID: <b>MB-80547</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80547</b>	RunNo: <b>103240</b>								
Prep Date: <b>2/20/2024</b>	Analysis Date: <b>2/21/2024</b>	SeqNo: <b>3817678</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80547</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80547</b>	RunNo: <b>103240</b>								
Prep Date: <b>2/20/2024</b>	Analysis Date: <b>2/21/2024</b>	SeqNo: <b>3817679</b>	Units: <b>mg/L</b>							
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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402740

02-Mar-24

**Client:** EA Engineering  
**Project:** Dominguez Dairy 2

Sample ID: <b>MB-80587</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80587</b>	RunNo: <b>103321</b>								
Prep Date: <b>2/22/2024</b>	Analysis Date: <b>2/23/2024</b>	SeqNo: <b>3821807</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCSLL-80587</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>80587</b>	RunNo: <b>103321</b>								
Prep Date: <b>2/22/2024</b>	Analysis Date: <b>2/23/2024</b>	SeqNo: <b>3821808</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	0.47	0	0.5000	0	94.3	50	150			

Sample ID: <b>LCS-80587</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80587</b>	RunNo: <b>103321</b>								
Prep Date: <b>2/22/2024</b>	Analysis Date: <b>2/23/2024</b>	SeqNo: <b>3821809</b>	Units: <b>mg/L</b>							
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			

Sample ID: <b>2402740-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>42-02</b>	Batch ID: <b>80587</b>	RunNo: <b>103321</b>								
Prep Date: <b>2/22/2024</b>	Analysis Date: <b>2/23/2024</b>	SeqNo: <b>3821811</b>	Units: <b>mg/L</b>							
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: <b>2402740-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>42-02</b>	Batch ID: <b>80587</b>	RunNo: <b>103321</b>								
Prep Date: <b>2/22/2024</b>	Analysis Date: <b>2/23/2024</b>	SeqNo: <b>3821812</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	11	0.50	10.00	0.9475	98.0	90	110	1.02	20	

**Qualifiers:**

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

# Sample Log-In Check List

Client Name: **EA Engineering**      Work Order Number: **2402740**      RcptNo: **1**

Received By: **Steve McQuiston**      2/15/2024 8:35:00 AM      *Steve McQuiston*

Completed By: **Cheyenne Cason**      2/15/2024 8:50:37 AM      *Cason*

Reviewed By: **SCM 2/15/24**

**Chain of Custody**

1. Is Chain of Custody complete?      Yes       No       Not Present
2. How was the sample delivered?      *2/15/24*      Client **FedEx**

**Log In**

3. Was an attempt made to cool the samples?      Yes       No       NA
4. Were all samples received at a temperature of >0° C to 6.0°C      Yes       No       NA
5. Sample(s) in proper container(s)?      Yes       No
6. Sufficient sample volume for indicated test(s)?      Yes       No
7. Are samples (except VOA and ONG) properly preserved?      Yes       No
8. Was preservative added to bottles?      Yes       No       NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA?      Yes       No       NA
10. Were any sample containers received broken?      Yes       No
11. Does paperwork match bottle labels?      Yes       No   
 (Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody?      Yes       No
13. Is it clear what analyses were requested?      Yes       No
14. Were all holding times able to be met?      Yes       No   
 (If no, notify customer for authorization.)

# of preserved bottles checked for pH: **4**  
 (<2 or >12 unless noted)  
 Adjusted? **NO**  
 Checked by: **m 2/15/24**

**Special Handling (if applicable)**

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

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

16. Additional remarks:

**17. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.2	Good	Not Present	Morty		



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 [www.hallenvironmental.com](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2403010

Date Reported: 3/15/2024

**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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	630	50	*	mg/L	100	3/1/2024 11:00:14 AM	R103470
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/1/2024 10:47:21 AM	R103470
Nitrogen, Nitrate (As N)	1.2	1.0		mg/L	10	3/1/2024 10:47:21 AM	R103470
Sulfate	200	5.0		mg/L	10	3/1/2024 10:47:21 AM	R103470
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	1750	100	*D	mg/L	1	3/6/2024 2:48:00 PM	80796
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	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.

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



# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2403010

Date Reported: 3/15/2024

**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	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	390	50	*	mg/L	100	3/1/2024 11:51:42 AM	R103470
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/1/2024 11:38:50 AM	R103470
Nitrogen, Nitrate (As N)	2.1	1.0		mg/L	10	3/1/2024 11:38:50 AM	R103470
Sulfate	180	5.0		mg/L	10	3/1/2024 11:38:50 AM	R103470
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	1330	50.0	*	mg/L	1	3/6/2024 2:48:00 PM	80796
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	3/8/2024 10:18:00 AM	80832

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

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2403010

Date Reported: 3/15/2024

**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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	980	50	*	mg/L	100	3/1/2024 12:17:26 PM	R103470
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	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
Sulfate	580	50	*	mg/L	100	3/1/2024 12:17:26 PM	R103470
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	4190	50.0	*	mg/L	1	3/6/2024 2:48:00 PM	80796
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2403010

Date Reported: 3/15/2024

**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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	1100	50	*	mg/L	100	3/1/2024 12:43:10 PM	R103470
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	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
Sulfate	650	50	*	mg/L	100	3/1/2024 12:43:10 PM	R103470
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	4140	250	*D	mg/L	1	3/6/2024 2:48:00 PM	80796
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	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.

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2403010

15-Mar-24

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

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103470</b>	RunNo: <b>103470</b>								
Prep Date:	Analysis Date: <b>3/1/2024</b>	SeqNo: <b>3828551</b>	Units: <b>mg/L</b>							
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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103470</b>	RunNo: <b>103470</b>								
Prep Date:	Analysis Date: <b>3/1/2024</b>	SeqNo: <b>3828552</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.7	0.50	5.000	0	94.1	90	110			
Nitrogen, Nitrite (As N)	1.0	0.10	1.000	0	101	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	98.6	90	110			
Sulfate	9.5	0.50	10.00	0	95.3	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2403010

15-Mar-24

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

Sample ID: <b>MB-80796</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80796</b>	RunNo: <b>103542</b>								
Prep Date: <b>3/5/2024</b>	Analysis Date: <b>3/6/2024</b>	SeqNo: <b>3832148</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80796</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80796</b>	RunNo: <b>103542</b>								
Prep Date: <b>3/5/2024</b>	Analysis Date: <b>3/6/2024</b>	SeqNo: <b>3832149</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	985	50.0	1000	0	98.5	80	120			

Sample ID: <b>2403010-003ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>EW-01</b>	Batch ID: <b>80796</b>	RunNo: <b>103542</b>								
Prep Date: <b>3/5/2024</b>	Analysis Date: <b>3/6/2024</b>	SeqNo: <b>3832312</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	4220	50.0						0.785	10	*

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2403010

15-Mar-24

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

Sample ID: <b>MB-80832</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80832</b>	RunNo: <b>103589</b>								
Prep Date: <b>3/7/2024</b>	Analysis Date: <b>3/8/2024</b>	SeqNo: <b>3833934</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCSLL-80832</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>80832</b>	RunNo: <b>103589</b>								
Prep Date: <b>3/7/2024</b>	Analysis Date: <b>3/8/2024</b>	SeqNo: <b>3833935</b>	Units: <b>mg/L</b>							
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: <b>LCS-80832</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80832</b>	RunNo: <b>103589</b>								
Prep Date: <b>3/7/2024</b>	Analysis Date: <b>3/8/2024</b>	SeqNo: <b>3833936</b>	Units: <b>mg/L</b>							
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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



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: 2403010

RcptNo: 1

Received By: Joseph Alderette

3/1/2024 8:42:00 AM

Completed By: Tracy Casarrubias

3/1/2024 8:50:08 AM

Reviewed By:

*[Signature]* 3/01/24

### Chain of Custody

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

### Log In

3. Was an attempt made to cool the samples? Yes  No  NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
5. Sample(s) in proper container(s)? Yes  No
6. Sufficient sample volume for indicated test(s)? Yes  No
7. Are samples (except VOA and ONG) properly preserved? Yes  No
8. Was preservative added to bottles? Yes  No  NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes  No  NA
10. Were any sample containers received broken? Yes  No
11. Does paperwork match bottle labels? Yes  No   
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes  No
13. Is it clear what analyses were requested? Yes  No
14. Were all holding times able to be met? Yes  No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: 4  
(<2 or >12 unless noted)  
Adjusted? NO  
Checked by: SCB 3/1/24

### Special Handling (if applicable)

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

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

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good	Not Present	Morty		

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance

NELAC  Other

EDD (Type)

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice:  Yes  No

# of Coolers:

Cooler Temp (including cri): 19.0 = 1.90C max

Container Type and #

Preservative Type

HEAL No. 2403010

Date Time Matrix Sample Name

2-29 10:50 Gw 692-10

2-29 13:48 Gw 692-08

2-29 15:25 Gw Ew-01

2-29 16:55 Gw Ew-02

Turn-Around Time:

Standard  Rush

Project Name:

Del Oro Dairy

Project #:

## Analysis Request

Nitrate/Nitrites EPA Method 300

TKN SM 4500 NORG C

Chloride EPA 300

TDS SM 2540 C MOD

Sulfate EPA 300

Phosphorus EPA 6010B

Total Sulfur

Remarks:

Received by: *[Signature]* Date: 3-1-24 Time: 8:42

Relinquished by:

*[Signature]*

Received by: Via: *Fedex* Date: Date: Time: Time:

Relinquished by: Date: Date: Time: 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.



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 [www.hallenvironmental.com](http://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

4901 Hawkins NE

Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2403067

Date Reported: 3/15/2024

**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	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>RBC</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>						Analyst: <b>KCB</b>
Total Dissolved Solids	1520	100	*D	mg/L	1	3/7/2024 4:15:00 PM
<b>EPA 351.2: TKN</b>						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.

**Qualifiers:**

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2403067

Date Reported: 3/15/2024

**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	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>RBC</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>						Analyst: <b>KCB</b>
Total Dissolved Solids	3160	250	*D	mg/L	1	3/7/2024 4:15:00 PM
<b>EPA 351.2: TKN</b>						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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2403067

Date Reported: 3/15/2024

**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	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>RBC</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>						Analyst: <b>KCB</b>
Total Dissolved Solids	2640	250	*D	mg/L	1	3/7/2024 4:15:00 PM
<b>EPA 351.2: TKN</b>						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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2403067

Date Reported: 3/15/2024

**CLIENT:** EA Engineering

**Client Sample ID:** DAD-11

**Project:** Dona Ana Dairies DADS

**Collection Date:** 3/1/2024 3:40:00 PM

**Lab ID:** 2403067-004

**Matrix:** GROUNDWA

**Received Date:** 3/2/2024 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>RBC</b>
Chloride	1100	50	*	mg/L	100	3/4/2024 2:10:36 PM
Nitrate+Nitrite as N	39	2.0	*	mg/L	10	3/5/2024 12:13:50 PM
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>						Analyst: <b>KCB</b>
Total Dissolved Solids	3840	250	*D	mg/L	1	3/7/2024 4:15:00 PM
<b>EPA 351.2: TKN</b>						Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	3/7/2024 4:50:00 PM

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

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2403067

Date Reported: 3/15/2024

**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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>RBC</b>
Chloride	1300	50	*	mg/L	100	3/4/2024 2:35:19 PM
Nitrate+Nitrite as N	76	4.0	*	mg/L	20	3/5/2024 12:26:12 PM
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>						Analyst: <b>KCB</b>
Total Dissolved Solids	4100	250	*D	mg/L	1	3/7/2024 4:15:00 PM
<b>EPA 351.2: TKN</b>						Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	3/7/2024 4:54:00 PM

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2403067

15-Mar-24

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

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103506</b>	RunNo: <b>103506</b>								
Prep Date:	Analysis Date: <b>3/4/2024</b>	SeqNo: <b>3830500</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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103506</b>	RunNo: <b>103506</b>								
Prep Date:	Analysis Date: <b>3/4/2024</b>	SeqNo: <b>3830501</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.9	0.50	5.000	0	97.4	90	110			
Nitrate+Nitrite as N	3.6	0.20	3.500	0	102	90	110			

Sample ID: <b>2403067-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>DAD-01</b>	Batch ID: <b>R103506</b>	RunNo: <b>103506</b>								
Prep Date:	Analysis Date: <b>3/4/2024</b>	SeqNo: <b>3830513</b>			Units: <b>mg/L</b>					
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: <b>2403067-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>DAD-01</b>	Batch ID: <b>R103506</b>	RunNo: <b>103506</b>								
Prep Date:	Analysis Date: <b>3/4/2024</b>	SeqNo: <b>3830514</b>			Units: <b>mg/L</b>					
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: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103506</b>	RunNo: <b>103506</b>								
Prep Date:	Analysis Date: <b>3/4/2024</b>	SeqNo: <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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103506</b>	RunNo: <b>103506</b>								
Prep Date:	Analysis Date: <b>3/4/2024</b>	SeqNo: <b>3830555</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.9	0.50	5.000	0	98.0	90	110			
Nitrate+Nitrite as N	3.6	0.20	3.500	0	102	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2403067

15-Mar-24

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

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103524</b>	RunNo: <b>103524</b>								
Prep Date:	Analysis Date: <b>3/5/2024</b>	SeqNo: <b>3831256</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103524</b>	RunNo: <b>103524</b>								
Prep Date:	Analysis Date: <b>3/5/2024</b>	SeqNo: <b>3831257</b>			Units: <b>mg/L</b>					
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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2403067

15-Mar-24

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

Sample ID: <b>MB-80811</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80811</b>	RunNo: <b>103570</b>								
Prep Date: <b>3/6/2024</b>	Analysis Date: <b>3/7/2024</b>	SeqNo: <b>3833103</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80811</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80811</b>	RunNo: <b>103570</b>								
Prep Date: <b>3/6/2024</b>	Analysis Date: <b>3/7/2024</b>	SeqNo: <b>3833104</b>	Units: <b>mg/L</b>							
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: <b>2403067-005ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>DAD-14</b>	Batch ID: <b>80811</b>	RunNo: <b>103570</b>								
Prep Date: <b>3/6/2024</b>	Analysis Date: <b>3/7/2024</b>	SeqNo: <b>3833113</b>	Units: <b>mg/L</b>							
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.                                      | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix  | E Above Quantitation Range/Estimated Value        |
| H Holding times for preparation or analysis exceeded                            | J Analyte detected below quantitation limits      |
| ND Not Detected at the Reporting Limit  | P Sample pH Not In Range                          |
| PQL Practical Quantitative Limit  | RL Reporting Limit                                |
| S % Recovery outside of standard limits. If undiluted results may be estimated. |   |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2403067

15-Mar-24

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

Sample ID: <b>MB-80827</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80827</b>	RunNo: <b>103571</b>								
Prep Date: <b>3/7/2024</b>	Analysis Date: <b>3/7/2024</b>	SeqNo: <b>3833147</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCS-80827</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80827</b>	RunNo: <b>103571</b>								
Prep Date: <b>3/7/2024</b>	Analysis Date: <b>3/7/2024</b>	SeqNo: <b>3833149</b>	Units: <b>mg/L</b>							
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.                                      | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix  | E Above Quantitation Range/Estimated Value        |
| H Holding times for preparation or analysis exceeded                            | J Analyte detected below quantitation limits      |
| ND Not Detected at the Reporting Limit  | P Sample pH Not In Range                          |
| PQL Practical Quantitative Limit  | RL Reporting Limit                                |
| S % Recovery outside of standard limits. If undiluted results may be estimated. |   |



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: 2403067 RcptNo: 1
Received By: Cheyenne Cason 3/2/2024 9:45:00 AM
Completed By: Cheyenne Cason 3/2/2024 9:53:06 AM
Reviewed By: DAD 3/2/24

Chain of Custody

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

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [ ] No [checked] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: 15
Adjusted? no
Checked by: [signature]

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_
By Whom: \_\_\_\_\_ Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person
Regarding: \_\_\_\_\_
Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, -0.7, Good, Not Present, Yogi, ,

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

**Chain-of-Custody Record**

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

Turn-Around Time:  Standard  Rush  
 Project Name: \_\_\_\_\_  
 Dona Ana Dairies (DAD'S)  
 Project #: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_  
 Gina Mullen  
 Sampler: Angel N. Rivera  
 On Ice:  Yes  No *Yag.*  
 # of Coolers: \_\_\_\_\_  
 Cooler Temp (including CFI): *-0.6 -0.15 -0.7*

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
3-1	10:20	Gw	DAD-01	2		2403007
3-1	12:00	Gw	DAD-12	2		-001
3-1	13:52	Gw	DAD-13	2		-002
3-1	15:40	Gw	DAD-11	2		-003
3-1	16:57	Gw	DAD-14	2		-004
						-005

**Analysis Request**

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

Received by: *[Signature]* Date: 3/21/14 Time: 0945  
 Received by: *[Signature]* Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: *[Signature]* Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

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

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](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402989

Date Reported: 3/18/2024

**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	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
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	5	2/23/2024 5:11:48 AM	R103279
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	2750	50.0	*	mg/L	1	2/26/2024 12:34:00 PM	80608
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/28/2024 3:47:00 PM	80664

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

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402989

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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	2870	50.0	*	mg/L	1	2/26/2024 12:34:00 PM	80608
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402989

Date Reported: 3/18/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	3780	50.0	*	mg/L	1	2/26/2024 12:34:00 PM	80608
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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



# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402989

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	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	3340	50.0	*	mg/L	1	2/26/2024 12:34:00 PM	80608
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402989

18-Mar-24

**Client:** EA Engineering  
**Project:** Big Sky Dairy

Sample ID: <b>MB</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103279</b>	RunNo: <b>103279</b>								
Prep Date:	Analysis Date: <b>2/22/2024</b>	SeqNo: <b>3819551</b>	Units: <b>mg/L</b>							
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: <b>LCS</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103279</b>	RunNo: <b>103279</b>								
Prep Date:	Analysis Date: <b>2/22/2024</b>	SeqNo: <b>3819552</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.9	0.50	5.000	0	98.0	90	110			
Sulfate	10	0.50	10.00	0	100	90	110			
Nitrate+Nitrite as N	3.6	0.20	3.500	0	103	90	110			

Sample ID: <b>MB</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>A103479</b>	RunNo: <b>103479</b>								
Prep Date:	Analysis Date: <b>3/1/2024</b>	SeqNo: <b>3829390</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Sample ID: <b>LCS</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>A103479</b>	RunNo: <b>103479</b>								
Prep Date:	Analysis Date: <b>3/1/2024</b>	SeqNo: <b>3829392</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.5	0.20	3.500	0	100	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402989

18-Mar-24

**Client:** EA Engineering  
**Project:** Big Sky Dairy

Sample ID: <b>MB-80608</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80608</b>	RunNo: <b>103319</b>								
Prep Date: <b>2/23/2024</b>	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3821475</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80608</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80608</b>	RunNo: <b>103319</b>								
Prep Date: <b>2/23/2024</b>	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3821476</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1010	50.0	1000	0	101	80	120			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402989

18-Mar-24

**Client:** EA Engineering  
**Project:** Big Sky Dairy

Sample ID: <b>MB-80664</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80664</b>	RunNo: <b>103386</b>								
Prep Date: <b>2/27/2024</b>	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3824608</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCSLL-80664</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>80664</b>	RunNo: <b>103386</b>								
Prep Date: <b>2/27/2024</b>	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3824609</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	0.45	0	0.5000	0	90.6	50	150			

Sample ID: <b>LCS-80664</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80664</b>	RunNo: <b>103386</b>								
Prep Date: <b>2/27/2024</b>	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3824610</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	9.9	0.50	10.00	0	99.5	90	110			

Sample ID: <b>2402989-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>833-06</b>	Batch ID: <b>80664</b>	RunNo: <b>103386</b>								
Prep Date: <b>2/27/2024</b>	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3824614</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	6.7	0.50	10.00	0	66.7	90	110			S

Sample ID: <b>2402989-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>833-06</b>	Batch ID: <b>80664</b>	RunNo: <b>103386</b>								
Prep Date: <b>2/27/2024</b>	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3824615</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2402989

RcptNo: 1

Received By: Desiree Dominguez

2/21/2024 8:40:00 AM

*DD*

Completed By: Desiree Dominguez

2/21/2024 9:09:19 AM

*DD*

Reviewed By: *[Signature]* 2-21-24

**Chain of Custody**

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

**Log In**

3. Was an attempt made to cool the samples? Yes  No  NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
5. Sample(s) in proper container(s)? Yes  No
6. Sufficient sample volume for indicated test(s)? Yes  No
7. Are samples (except VOA and ONG) properly preserved? Yes  No
8. Was preservative added to bottles? Yes  No  NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes  No  NA
10. Were any sample containers received broken? Yes  No
11. Does paperwork match bottle labels? Yes  No   
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes  No
13. Is it clear what analyses were requested? Yes  No
14. Were all holding times able to be met? Yes  No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: 4  
(≤2 or >12 unless noted)  
Adjusted? NO  
Checked by: su 2/21/24

**Special Handling (if applicable)**

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

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

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.2	Good	Not Present	Morty		

# Chain-of-Custody Record

Client: \_\_\_\_\_

EA Engineering, Science, and Technology  
Mailing Address: \_\_\_\_\_

320 Gold Ave SW Suite  
Phone #: 505-715-4279  
email or Fax#: [rmullen@eaest.com](mailto:rmullen@eaest.com)

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

Accreditation:  Az Compliance  NELAC  Other

EDD (Type) \_\_\_\_\_

Turn-Around Time:  Standard  Rush

Project Name: Big Sky Dairy  
Project #: \_\_\_\_\_

Project Manager: Gina Mullen

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

Cooler Temp (including CF): 0.2 + 0.0 = 0.2

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
2-20	9:55	Gw	833-06	2		2402989
2-20	11:35	Gw	833-04	2		-001
2-20	14:00	Gw	833-02	2		-002
2-20	15:52	Gw	833-08	2		-003
						-004

Date: 2-20 Time: 17:25 Relinquished by: *[Signature]*

Date: 2-20 Time: 8:40 Received by: *[Signature]* Via: Fed Ex



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

**Analysis Request**

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

Remarks: \_\_\_\_\_

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

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 [www.hallenvironmental.com](http://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

4901 Hawkins NE

Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402B70

Date Reported: 3/18/2024

CLIENT: EA Engineering

Client Sample ID: 833-05

Project: Big Sky Dairy

Collection Date: 2/22/2024 10:40:00 AM

Lab ID: 2402B70-001

Matrix: GROUNDWA

Received Date: 2/23/2024 8:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	1300	50	*	mg/L	100	2/23/2024 1:52:45 PM	R103320
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/23/2024 1:15:44 PM	R103320
Nitrogen, Nitrate (As N)	28	1.0	*	mg/L	10	2/23/2024 1:15:44 PM	R103320
Sulfate	480	50	*	mg/L	100	2/23/2024 1:52:45 PM	R103320
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	3240	50.0	*	mg/L	1	3/2/2024 11:17:00 AM	80698
<b>EPA 351.2: TKN</b>							Analyst: <b>DML</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/29/2024 3:11:00 PM	80715

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

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



# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402B70

Date Reported: 3/18/2024

**CLIENT:** EA Engineering

**Client Sample ID:** 833-07

**Project:** Big Sky Dairy

**Collection Date:** 2/22/2024 12:15:00 PM

**Lab ID:** 2402B70-002

**Matrix:** GROUNDWA

**Received Date:** 2/23/2024 8:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	4120	50.0	*	mg/L	1	3/2/2024 11:17:00 AM	80698
<b>EPA 351.2: TKN</b>							Analyst: <b>DML</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402B70

Date Reported: 3/18/2024

**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	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	3510	50.0	*	mg/L	1	3/2/2024 11:17:00 AM	80698
<b>EPA 351.2: TKN</b>							Analyst: <b>DML</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402B70

Date Reported: 3/18/2024

**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	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	760	50	*	mg/L	100	2/23/2024 3:06:51 PM	R103320
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/23/2024 2:54:30 PM	R103320
Nitrogen, Nitrate (As N)	3.0	1.0		mg/L	10	2/23/2024 2:54:30 PM	R103320
Sulfate	510	50	*	mg/L	100	2/23/2024 3:06:51 PM	R103320
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	2750	50.0	*	mg/L	1	3/2/2024 11:17:00 AM	80698
<b>EPA 351.2: TKN</b>							Analyst: <b>DML</b>
Nitrogen, Kjeldahl, Total	0.94	0.50		mg/L	1	2/29/2024 3:18:00 PM	80715

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402B70

18-Mar-24

**Client:** EA Engineering  
**Project:** Big Sky Dairy

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103320</b>	RunNo: <b>103320</b>								
Prep Date:	Analysis Date: <b>2/23/2024</b>	SeqNo: <b>3821583</b>							Units: <b>mg/L</b>	
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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103320</b>	RunNo: <b>103320</b>								
Prep Date:	Analysis Date: <b>2/23/2024</b>	SeqNo: <b>3821584</b>							Units: <b>mg/L</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.9	0.50	5.000	0	98.2	90	110			
Nitrogen, Nitrite (As N)	1.0	0.10	1.000	0	102	90	110			
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	104	90	110			
Sulfate	10	0.50	10.00	0	100	90	110			

Sample ID: <b>2402B70-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>833-05</b>	Batch ID: <b>R103320</b>	RunNo: <b>103320</b>								
Prep Date:	Analysis Date: <b>2/23/2024</b>	SeqNo: <b>3821606</b>							Units: <b>mg/L</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	8.4	1.0	10.00	0	83.8	80	120			
Nitrogen, Nitrate (As N)	54	1.0	25.00	27.80	105	80	120			

Sample ID: <b>2402B70-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>833-05</b>	Batch ID: <b>R103320</b>	RunNo: <b>103320</b>								
Prep Date:	Analysis Date: <b>2/23/2024</b>	SeqNo: <b>3821607</b>							Units: <b>mg/L</b>	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	8.4	1.0	10.00	0	84.0	80	120	0.205	20	
Nitrogen, Nitrate (As N)	55	1.0	25.00	27.80	107	80	120	0.810	20	

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402B70

18-Mar-24

**Client:** EA Engineering  
**Project:** Big Sky Dairy

Sample ID: <b>MB-80698</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80698</b>	RunNo: <b>103457</b>								
Prep Date: <b>2/28/2024</b>	Analysis Date: <b>3/2/2024</b>	SeqNo: <b>3827836</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80698</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80698</b>	RunNo: <b>103457</b>								
Prep Date: <b>2/28/2024</b>	Analysis Date: <b>3/2/2024</b>	SeqNo: <b>3827837</b>	Units: <b>mg/L</b>							
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: <b>2402B70-002ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>833-07</b>	Batch ID: <b>80698</b>	RunNo: <b>103457</b>								
Prep Date: <b>2/28/2024</b>	Analysis Date: <b>3/2/2024</b>	SeqNo: <b>3827855</b>	Units: <b>mg/L</b>							
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.                                      | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix  | E Above Quantitation Range/Estimated Value        |
| H Holding times for preparation or analysis exceeded                            | J Analyte detected below quantitation limits      |
| ND Not Detected at the Reporting Limit  | P Sample pH Not In Range                          |
| PQL Practical Quantitative Limit  | RL Reporting Limit                                |
| S % Recovery outside of standard limits. If undiluted results may be estimated. |   |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402B70

18-Mar-24

**Client:** EA Engineering  
**Project:** Big Sky Dairy

Sample ID: <b>MB-80715</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>PBW</b>	Batch ID: <b>80715</b>		RunNo: <b>103507</b>							
Prep Date: <b>2/29/2024</b>	Analysis Date: <b>2/29/2024</b>		SeqNo: <b>3830589</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCSLL-80715</b>	SampType: <b>LCSLL</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>80715</b>		RunNo: <b>103507</b>							
Prep Date: <b>2/29/2024</b>	Analysis Date: <b>2/29/2024</b>		SeqNo: <b>3830590</b>		Units: <b>mg/L</b>					
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: <b>LCS-80715</b>	SampType: <b>LCS</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>80715</b>		RunNo: <b>103507</b>							
Prep Date: <b>2/29/2024</b>	Analysis Date: <b>2/29/2024</b>		SeqNo: <b>3830591</b>		Units: <b>mg/L</b>					
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: <b>2402B70-001AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>833-05</b>	Batch ID: <b>80715</b>		RunNo: <b>103507</b>							
Prep Date: <b>2/29/2024</b>	Analysis Date: <b>2/29/2024</b>		SeqNo: <b>3830593</b>		Units: <b>mg/L</b>					
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: <b>2402B70-001AMSd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>833-05</b>	Batch ID: <b>80715</b>		RunNo: <b>103507</b>							
Prep Date: <b>2/29/2024</b>	Analysis Date: <b>2/29/2024</b>		SeqNo: <b>3830594</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	7.1	0.50	10.00	0	71.4	90	110	23.6	20	RS

**Qualifiers:**

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



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: 2402B70 RcptNo: 1

Received By: Steve McQuiston 2/23/2024 8:34:00 AM [Signature]

Completed By: Deslree Dominguez 2/23/2024 10:25:16 AM [Signature]

Reviewed By: [Signature] 2/23/24

Chain of Custody

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

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [ ] No [checked] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: 4 (<2 or >12 unless noted) Adjusted? No Checked by: [Signature] 2/23/24

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, -1.0, Good, Not Present, Morty, ,





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 [www.hallenvironmental.com](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402C35

Date Reported: 3/18/2024

**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	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>SNS</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>						Analyst: <b>KCB</b>
Total Dissolved Solids	3520	100	*D	mg/L	1	3/4/2024 3:05:00 PM
<b>EPA 351.2: TKN</b>						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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402C35

Date Reported: 3/18/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>SNS</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>						Analyst: <b>KCB</b>
Total Dissolved Solids	2600	250	*D	mg/L	1	3/4/2024 3:05:00 PM
<b>EPA 351.2: TKN</b>						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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402C35

Date Reported: 3/18/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>						Analyst: <b>SNS</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>						Analyst: <b>KCB</b>
Total Dissolved Solids	3950	250	*D	mg/L	1	3/4/2024 3:05:00 PM
<b>EPA 351.2: TKN</b>						Analyst: <b>DML</b>
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.

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402C35

18-Mar-24

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

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103337</b>	RunNo: <b>103337</b>								
Prep Date:	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3822536</b>			Units: <b>mg/L</b>					
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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103337</b>	RunNo: <b>103337</b>								
Prep Date:	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3822537</b>			Units: <b>mg/L</b>					
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: <b>MB</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103490</b>	RunNo: <b>103490</b>								
Prep Date:	Analysis Date: <b>3/4/2024</b>	SeqNo: <b>3830682</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Sample ID: <b>LCS</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103490</b>	RunNo: <b>103490</b>								
Prep Date:	Analysis Date: <b>3/4/2024</b>	SeqNo: <b>3830683</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	3.4	0.20	3.500	0	96.6	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402C35

18-Mar-24

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

Sample ID: <b>MB-80738</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80738</b>	RunNo: <b>103487</b>								
Prep Date: <b>3/1/2024</b>	Analysis Date: <b>3/4/2024</b>	SeqNo: <b>3829793</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80738</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80738</b>	RunNo: <b>103487</b>								
Prep Date: <b>3/1/2024</b>	Analysis Date: <b>3/4/2024</b>	SeqNo: <b>3829794</b>	Units: <b>mg/L</b>							
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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402C35

18-Mar-24

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

Sample ID: <b>MB-80715</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80715</b>	RunNo: <b>103507</b>								
Prep Date: <b>2/29/2024</b>	Analysis Date: <b>2/29/2024</b>	SeqNo: <b>3830589</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCS-80715</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80715</b>	RunNo: <b>103507</b>								
Prep Date: <b>2/29/2024</b>	Analysis Date: <b>2/29/2024</b>	SeqNo: <b>3830591</b>	Units: <b>mg/L</b>							
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.                                      | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix  | E Above Quantitation Range/Estimated Value        |
| H Holding times for preparation or analysis exceeded                            | J Analyte detected below quantitation limits      |
| ND Not Detected at the Reporting Limit  | P Sample pH Not In Range                          |
| PQL Practical Quantitative Limit  | RL Reporting Limit                                |
| S % Recovery outside of standard limits. If undiluted results may be estimated. |   |



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: 2402C35 RcptNo: 1
Received By: Juan Rojas 2/24/2024 9:35:00 AM
Completed By: Desiree Dominguez 2/26/2024 8:38:23 AM
Reviewed By: [Signature] 2/26/24

Chain of Custody

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

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes [checked] No [ ]

# of preserved bottles checked for pH: 3 (or >12 unless noted)
Adjusted? NO
Checked by: [Signature] 2/26/24

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 0.5, Good, Not Present, Yogi, [ ], [ ]





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 [www.hallenvironmental.com](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402898

Date Reported: 3/6/2024

**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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	890	50	*	mg/L	100	2/28/2024 2:38:16 PM	R103399
Nitrogen, Nitrite (As N)	ND	0.50		mg/L	5	2/20/2024 2:43:39 PM	R103224
Nitrogen, Nitrate (As N)	33	0.50	*	mg/L	5	2/20/2024 2:43:39 PM	R103224
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	3050	50.0	*	mg/L	1	2/26/2024 11:23:00 AM	80593
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402898

Date Reported: 3/6/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	2310	100	*D	mg/L	1	2/26/2024 11:23:00 AM	80593
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402898

Date Reported: 3/6/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	2270	50.0	*	mg/L	1	2/26/2024 11:23:00 AM	80593
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402898

06-Mar-24

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

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103224</b>	RunNo: <b>103224</b>								
Prep Date:	Analysis Date: <b>2/20/2024</b>	SeqNo: <b>3817217</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	ND	0.10								
Nitrogen, Nitrate (As N)	ND	0.10								

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103224</b>	RunNo: <b>103224</b>								
Prep Date:	Analysis Date: <b>2/20/2024</b>	SeqNo: <b>3817218</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	0.95	0.10	1.000	0	95.2	90	110			
Nitrogen, Nitrate (As N)	2.4	0.10	2.500	0	97.7	90	110			

Sample ID: <b>2402898-003AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>74-05</b>	Batch ID: <b>R103224</b>	RunNo: <b>103224</b>								
Prep Date:	Analysis Date: <b>2/20/2024</b>	SeqNo: <b>3817230</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	4.7	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: <b>2402898-003AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>74-05</b>	Batch ID: <b>R103224</b>	RunNo: <b>103224</b>								
Prep Date:	Analysis Date: <b>2/20/2024</b>	SeqNo: <b>3817231</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	4.7	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: <b>MB</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103399</b>	RunNo: <b>103399</b>								
Prep Date:	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3825620</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	0.50								

Sample ID: <b>LCS</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103399</b>	RunNo: <b>103399</b>								
Prep Date:	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3825621</b>			Units: <b>mg/L</b>					
Analyte	Result	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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402898

06-Mar-24

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

Sample ID: <b>MB-80593</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80593</b>	RunNo: <b>103313</b>								
Prep Date: <b>2/22/2024</b>	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3821214</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80593</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80593</b>	RunNo: <b>103313</b>								
Prep Date: <b>2/22/2024</b>	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3821215</b>	Units: <b>mg/L</b>							
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: <b>2402898-001ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>74-01</b>	Batch ID: <b>80593</b>	RunNo: <b>103313</b>								
Prep Date: <b>2/22/2024</b>	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3821217</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	3050	50.0						0.131	10	*

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402898

06-Mar-24

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

Sample ID: <b>MB-80635</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80635</b>	RunNo: <b>103373</b>								
Prep Date: <b>2/26/2024</b>	Analysis Date: <b>2/27/2024</b>	SeqNo: <b>3824305</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCSLL-80635</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>80635</b>	RunNo: <b>103373</b>								
Prep Date: <b>2/26/2024</b>	Analysis Date: <b>2/27/2024</b>	SeqNo: <b>3824306</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	0.47	0	0.5000	0	93.8	50	150			

Sample ID: <b>LCS-80635</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80635</b>	RunNo: <b>103373</b>								
Prep Date: <b>2/26/2024</b>	Analysis Date: <b>2/27/2024</b>	SeqNo: <b>3824307</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	9.9	0.50	10.00	0	99.5	90	110			

Sample ID: <b>MB-80662</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80662</b>	RunNo: <b>103386</b>								
Prep Date: <b>2/27/2024</b>	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3824577</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCSLL-80662</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>80662</b>	RunNo: <b>103386</b>								
Prep Date: <b>2/27/2024</b>	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3824578</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	0.50	0.50	0.5000	0	100	50	150			

Sample ID: <b>LCS-80662</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80662</b>	RunNo: <b>103386</b>								
Prep Date: <b>2/27/2024</b>	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3824579</b>	Units: <b>mg/L</b>							
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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit





Sample Log-In Check List

Client Name: EA Engineering Work Order Number: 2402898 RcptNo: 1

Received By: Desiree Dominguez 2/20/2024 8:30:00 AM [Signature]

Completed By: Desiree Dominguez 2/20/2024 9:23:01 AM [Signature]

Reviewed By: [Signature] 2/20/24

Chain of Custody

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

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: 3 (2) or >12 unless noted
Adjusted? NO
Checked by: [Signature] 2/20/24

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.4, Good, Yes, Morty, [ ], [ ]



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 [www.hallenvironmental.com](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402D20

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

**Lab ID:** 2402D20-001

**Matrix:** GROUNDWA

**Received Date:** 2/28/2024 8:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>RBC</b>
Chloride	480	50	*	mg/L	100	2/28/2024 11:59:46 AM	R103397
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/28/2024 11:21:11 AM	R103397
Nitrogen, Nitrate (As N)	23	1.0	*	mg/L	10	2/28/2024 11:21:11 AM	R103397
Sulfate	290	5.0	*	mg/L	10	2/28/2024 11:21:11 AM	R103397
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	1850	50.0	*	mg/L	1	3/4/2024 6:52:00 PM	80756
<b>EPA 351.2: TKN</b>							Analyst: <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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402D20

Date Reported: 3/12/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>RBC</b>
Chloride	500	50	*	mg/L	100	2/28/2024 12:25:30 PM	R103397
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/28/2024 12:12:39 PM	R103397
Nitrogen, Nitrate (As N)	24	1.0	*	mg/L	10	2/28/2024 12:12:39 PM	R103397
Sulfate	290	5.0	*	mg/L	10	2/28/2024 12:12:39 PM	R103397
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KS</b>
Total Dissolved Solids	1860	50.0	*	mg/L	1	3/4/2024 6:52:00 PM	80756
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402D20

12-Mar-24

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

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103397</b>	RunNo: <b>103397</b>								
Prep Date:	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3825184</b>	Units: <b>mg/L</b>							
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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103397</b>	RunNo: <b>103397</b>								
Prep Date:	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3825185</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.9	0.50	5.000	0	97.5	90	110			
Nitrogen, Nitrite (As N)	1.0	0.10	1.000	0	104	90	110			
Nitrogen, Nitrate (As N)	2.6	0.10	2.500	0	102	90	110			
Sulfate	9.9	0.50	10.00	0	98.9	90	110			

Sample ID: <b>2402D20-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>692-02</b>	Batch ID: <b>R103397</b>	RunNo: <b>103397</b>								
Prep Date:	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3825204</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	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	80	120			

Sample ID: <b>2402D20-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>692-02</b>	Batch ID: <b>R103397</b>	RunNo: <b>103397</b>								
Prep Date:	Analysis Date: <b>2/28/2024</b>	SeqNo: <b>3825205</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	9.9	1.0	10.00	0	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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402D20

12-Mar-24

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

Sample ID: <b>MB-80756</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80756</b>	RunNo: <b>103497</b>								
Prep Date: <b>3/3/2024</b>	Analysis Date: <b>3/4/2024</b>	SeqNo: <b>3830022</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80756</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80756</b>	RunNo: <b>103497</b>								
Prep Date: <b>3/3/2024</b>	Analysis Date: <b>3/4/2024</b>	SeqNo: <b>3830023</b>	Units: <b>mg/L</b>							
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.                                      | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix  | E Above Quantitation Range/Estimated Value        |
| H Holding times for preparation or analysis exceeded                            | J Analyte detected below quantitation limits      |
| ND Not Detected at the Reporting Limit  | P Sample pH Not In Range                          |
| PQL Practical Quantitative Limit  | RL Reporting Limit                                |
| S % Recovery outside of standard limits. If undiluted results may be estimated. |   |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402D20

12-Mar-24

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

Sample ID: <b>MB-80769</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>PBW</b>	Batch ID: <b>80769</b>		RunNo: <b>103514</b>							
Prep Date: <b>3/4/2024</b>	Analysis Date: <b>3/4/2024</b>		SeqNo: <b>3830950</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCSLL-80769</b>	SampType: <b>LCSLL</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>80769</b>		RunNo: <b>103514</b>							
Prep Date: <b>3/4/2024</b>	Analysis Date: <b>3/4/2024</b>		SeqNo: <b>3830951</b>		Units: <b>mg/L</b>					
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	50	150			

Sample ID: <b>LCS-80769</b>	SampType: <b>LCS</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>80769</b>		RunNo: <b>103514</b>							
Prep Date: <b>3/4/2024</b>	Analysis Date: <b>3/4/2024</b>		SeqNo: <b>3830952</b>		Units: <b>mg/L</b>					
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			

Sample ID: <b>2402D20-001AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>692-02</b>	Batch ID: <b>80769</b>		RunNo: <b>103514</b>							
Prep Date: <b>3/4/2024</b>	Analysis Date: <b>3/4/2024</b>		SeqNo: <b>3830968</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	6.3	0.50	10.00	0	62.9	90	110			S

Sample ID: <b>2402D20-001AMSD</b>	SampType: <b>MSD</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>692-02</b>	Batch ID: <b>80769</b>		RunNo: <b>103514</b>							
Prep Date: <b>3/4/2024</b>	Analysis Date: <b>3/4/2024</b>		SeqNo: <b>3830969</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	4.5	0.50	10.00	0	45.3	90	110	32.5	20	RS

**Qualifiers:**

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





# Sample Log-In Check List

Client Name: EA Engineering

Work Order Number: 2402D20

RcptNo: 1

Received By: Nick Lowman

2/28/2024 8:38:00 AM

*Nick*

Completed By: Desiree Dominguez

2/28/2024 8:39:55 AM

*DD*

Reviewed By:

*[Signature]* 2/28/24

### Chain of Custody

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

### Log In

3. Was an attempt made to cool the samples? Yes  No  NA
4. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
5. Sample(s) in proper container(s)? Yes  No
6. Sufficient sample volume for indicated test(s)? Yes  No
7. Are samples (except VOA and ONG) properly preserved? Yes  No
8. Was preservative added to bottles? Yes  No  NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes  No  NA
10. Were any sample containers received broken? Yes  No
11. Does paperwork match bottle labels? Yes  No   
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes  No
13. Is it clear what analyses were requested? Yes  No
14. Were all holding times able to be met? Yes  No   
(If no, notify customer for authorization.)

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

Adjusted? NO

Checked by: M 2/28/24

### Special Handling (if applicable)

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

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

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Not Present	Morty		



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 [www.hallenvironmental.com](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402E14

Date Reported: 3/12/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	1380	100	*D	mg/L	1	3/5/2024 4:52:00 PM	80765
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402E14

Date Reported: 3/12/2024

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	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	1570	100	*D	mg/L	1	3/5/2024 4:52:00 PM	80765
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402E14

Date Reported: 3/12/2024

**CLIENT:** EA Engineering

**Client Sample ID:** 692-06

**Project:** Del Oro Dairy

**Collection Date:** 2/28/2024 2:18:00 PM

**Lab ID:** 2402E14-003

**Matrix:** GROUNDWA

**Received Date:** 2/29/2024 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	1450	100	*D	mg/L	1	3/5/2024 4:52:00 PM	80765
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402E14

Date Reported: 3/12/2024

**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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	510	50	*	mg/L	100	3/1/2024 12:18:27 AM	A103429
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/1/2024 12:05:36 AM	A103429
Nitrogen, Nitrate (As N)	3.0	1.0		mg/L	10	3/1/2024 12:05:36 AM	A103429
Sulfate	210	5.0		mg/L	10	3/1/2024 12:05:36 AM	A103429
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	1590	100	*D	mg/L	1	3/5/2024 4:52:00 PM	80765
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	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.

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402E14

12-Mar-24

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

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>A103429</b>	RunNo: <b>103429</b>								
Prep Date:	Analysis Date: <b>2/29/2024</b>	SeqNo: <b>3827031</b>	Units: <b>mg/L</b>							
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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>A103429</b>	RunNo: <b>103429</b>								
Prep Date:	Analysis Date: <b>2/29/2024</b>	SeqNo: <b>3827032</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.8	0.50	5.000	0	96.9	90	110			
Nitrogen, Nitrite (As N)	0.99	0.10	1.000	0	99.4	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	102	90	110			
Sulfate	9.9	0.50	10.00	0	98.6	90	110			

Sample ID: <b>2402E14-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>692-09</b>	Batch ID: <b>A103429</b>	RunNo: <b>103429</b>								
Prep Date:	Analysis Date: <b>2/29/2024</b>	SeqNo: <b>3827042</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Nitrite (As N)	9.5	1.0	10.00	0.1636	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	80	120			

Sample ID: <b>2402E14-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>692-09</b>	Batch ID: <b>A103429</b>	RunNo: <b>103429</b>								
Prep Date:	Analysis Date: <b>2/29/2024</b>	SeqNo: <b>3827043</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402E14

12-Mar-24

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

Sample ID: <b>MB-80765</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80765</b>	RunNo: <b>103521</b>								
Prep Date: <b>3/4/2024</b>	Analysis Date: <b>3/5/2024</b>	SeqNo: <b>3831168</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80765</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80765</b>	RunNo: <b>103521</b>								
Prep Date: <b>3/4/2024</b>	Analysis Date: <b>3/5/2024</b>	SeqNo: <b>3831169</b>	Units: <b>mg/L</b>							
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: <b>2402E14-003ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>692-06</b>	Batch ID: <b>80765</b>	RunNo: <b>103521</b>								
Prep Date: <b>3/4/2024</b>	Analysis Date: <b>3/5/2024</b>	SeqNo: <b>3831181</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1410	100						2.66	10	*D

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402E14

12-Mar-24

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

Sample ID: <b>MB-80787</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>PBW</b>	Batch ID: <b>80787</b>		RunNo: <b>103532</b>							
Prep Date: <b>3/5/2024</b>	Analysis Date: <b>3/5/2024</b>		SeqNo: <b>3831826</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCSLL-80787</b>	SampType: <b>LCSLL</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>80787</b>		RunNo: <b>103532</b>							
Prep Date: <b>3/5/2024</b>	Analysis Date: <b>3/5/2024</b>		SeqNo: <b>3831827</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	0.50	0.50	0.5000	0	101	50	150			

Sample ID: <b>LCS-80787</b>	SampType: <b>LCS</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>80787</b>		RunNo: <b>103532</b>							
Prep Date: <b>3/5/2024</b>	Analysis Date: <b>3/5/2024</b>		SeqNo: <b>3831828</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	10	0.50	10.00	0	102	90	110			

Sample ID: <b>2402E14-001AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>692-09</b>	Batch ID: <b>80787</b>		RunNo: <b>103532</b>							
Prep Date: <b>3/5/2024</b>	Analysis Date: <b>3/5/2024</b>		SeqNo: <b>3831832</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	8.8	0.50	10.00	0	87.8	90	110			S

Sample ID: <b>2402E14-001AMSD</b>	SampType: <b>MSD</b>		TestCode: <b>EPA 351.2: TKN</b>							
Client ID: <b>692-09</b>	Batch ID: <b>80787</b>		RunNo: <b>103532</b>							
Prep Date: <b>3/5/2024</b>	Analysis Date: <b>3/5/2024</b>		SeqNo: <b>3831833</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	8.8	0.50	10.00	0	87.9	90	110	0.189	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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



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: 2402E14 RcptNo: 1
Received By: Nick Lowman 2/29/2024 8:45:00 AM
Completed By: Desiree Dominguez 2/29/2024 9:50:13 AM
Reviewed By: [Signature]

Chain of Custody

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

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: 4 (2 or >12 unless noted)
Adjusted? NO
Checked by: [Signature] 2/29/24

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 0.7, Good, Not Present, Morty, [ ], [ ]

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology  
Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaeast.com

QA/QC Package:

Standard  Level 4 (Full Validation)

Accreditation:  Az Compliance

NELAC  Other

EDD (Type)

Turn-Around Time:

Standard  Rush

Project Name:

Del Oro Dairy

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including cryo): 0.8 - 0.1 = 0.7°C

Container Type and #

Preservative Type

HEAL No. 2402E14

Date Time Matrix Sample Name

2-28 10:43 6w 692-09  
2-28 12:05 6w 692-05  
2-28 14:18 6w 692-06  
2-28 15:52 6w 692-07

2

-001

2

-002

2

-003

2

-004

## Analysis Request

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

Remarks:

Received by: *Misha* Via: *Fedex* Date: *2/29/04* Time: *8:45*

Relinquished by: *Chad M* Date: *2-28* Time: *17:50*

Received by: \_\_\_\_\_ Via: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

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

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 [www.hallenvironmental.com](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402859

Date Reported: 3/1/2024

**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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	230	50		mg/L	100	2/19/2024 11:21:48 AM	R103190
Nitrate+Nitrite as N	1.2	1.0		mg/L	5	2/19/2024 6:39:55 PM	R103190
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	1800	100	*D	mg/L	1	2/22/2024 3:40:00 PM	80556
<b>SM 4500 NORG C: TKN</b>							Analyst: <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.

**Qualifiers:**

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402859

Date Reported: 3/1/2024

**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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	890	50	*	mg/L	100	2/19/2024 11:47:29 AM	R103190
Nitrate+Nitrite as N	11	1.0	*	mg/L	5	2/19/2024 6:52:47 PM	R103190
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	3250	100	*D	mg/L	1	2/22/2024 3:40:00 PM	80556
<b>SM 4500 NORG C: TKN</b>							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.

**Qualifiers:**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>* Value exceeds Maximum Contaminant Level.</li> <li>D Sample Diluted Due to Matrix</li> <li>H Holding times for preparation or analysis exceeded</li> <li>ND Not Detected at the Reporting Limit</li> <li>PQL Practical Quantitative Limit</li> <li>S % Recovery outside of standard limits. If undiluted results may be estimated.</li> </ul> | <ul style="list-style-type: none"> <li>B Analyte detected in the associated Method Blank</li> <li>E Above Quantitation Range/Estimated Value</li> <li>J Analyte detected below quantitation limits</li> <li>P Sample pH Not In Range</li> <li>RL Reporting Limit</li> </ul> |
|---|---|

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402859

01-Mar-24

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

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103190</b>	RunNo: <b>103190</b>								
Prep Date:	Analysis Date: <b>2/19/2024</b>	SeqNo: <b>3816096</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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103190</b>	RunNo: <b>103190</b>								
Prep Date:	Analysis Date: <b>2/19/2024</b>	SeqNo: <b>3816097</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	92.7	90	110			
Nitrate+Nitrite as N	3.4	0.20	3.500	0	97.2	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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402859

01-Mar-24

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

Sample ID: <b>MB-80556</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80556</b>	RunNo: <b>103264</b>								
Prep Date: <b>2/21/2024</b>	Analysis Date: <b>2/22/2024</b>	SeqNo: <b>3818609</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80556</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80556</b>	RunNo: <b>103264</b>								
Prep Date: <b>2/21/2024</b>	Analysis Date: <b>2/22/2024</b>	SeqNo: <b>3818610</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	995	50.0	1000	0	99.5	80	120			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402859

01-Mar-24

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

Sample ID: <b>MB-80624</b>	SampType: <b>MBLK</b>	TestCode: <b>SM 4500 Norg C: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80624</b>	RunNo: <b>103327</b>								
Prep Date: <b>2/23/2024</b>	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3821962</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	1.0								

Sample ID: <b>LCS-80624</b>	SampType: <b>LCS</b>	TestCode: <b>SM 4500 Norg C: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80624</b>	RunNo: <b>103327</b>								
Prep Date: <b>2/23/2024</b>	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3821963</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	9.8	1.0	10.00	0	98.0	80	120			

**Qualifiers:**

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



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: 2402859 RcptNo: 1
Received By: Tracy Casarrubias 2/17/2024 10:55:00 AM
Completed By: Tracy Casarrubias 2/17/2024 10:58:37 AM
Reviewed By: [Signature] 2/19/24

Chain of Custody

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

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: 2 or >12 unless noted
Adjusted? No
Checked by: TMC 2/17/24

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 3.4, Good, Yes, Morty, [ ], [ ]



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 [www.hallenvironmental.com](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402826

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	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	1700	50	*	mg/L	100	2/16/2024 12:17:48 PM	R103158
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/16/2024 12:05:26 PM	R103158
Nitrogen, Nitrate (As N)	7.2	1.0		mg/L	10	2/16/2024 12:05:26 PM	R103158
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	4320	50.0	*	mg/L	1	2/22/2024 3:40:00 PM	80556
<b>SM 4500 NORG C: TKN</b>							Analyst: <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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402826

Date Reported: 3/1/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	860	50	*	mg/L	100	2/16/2024 12:42:29 PM	R103158
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/16/2024 12:30:09 PM	R103158
Nitrogen, Nitrate (As N)	17	1.0	*	mg/L	10	2/16/2024 12:30:09 PM	R103158
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	2730	50.0	*	mg/L	1	2/22/2024 3:40:00 PM	80556
<b>SM 4500 NORG C: TKN</b>							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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402826

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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	690	50	*	mg/L	100	2/16/2024 1:07:12 PM	R103158
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	2/16/2024 12:54:50 PM	R103158
Nitrogen, Nitrate (As N)	7.6	1.0		mg/L	10	2/16/2024 12:54:50 PM	R103158
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	2640	50.0	*	mg/L	1	2/22/2024 3:40:00 PM	80556
<b>SM 4500 NORG C: TKN</b>							Analyst: <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.

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



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402826

01-Mar-24

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

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103158</b>	RunNo: <b>103158</b>								
Prep Date:	Analysis Date: <b>2/16/2024</b>	SeqNo: <b>3814836</b>			Units: <b>mg/L</b>					
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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103158</b>	RunNo: <b>103158</b>								
Prep Date:	Analysis Date: <b>2/16/2024</b>	SeqNo: <b>3814837</b>			Units: <b>mg/L</b>					
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			
Nitrogen, Nitrite (As N)	0.99	0.10	1.000	0	99.1	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	102	90	110			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402826

01-Mar-24

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

Sample ID: <b>MB-80556</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80556</b>	RunNo: <b>103264</b>								
Prep Date: <b>2/21/2024</b>	Analysis Date: <b>2/22/2024</b>	SeqNo: <b>3818609</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80556</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80556</b>	RunNo: <b>103264</b>								
Prep Date: <b>2/21/2024</b>	Analysis Date: <b>2/22/2024</b>	SeqNo: <b>3818610</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	995	50.0	1000	0	99.5	80	120			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402826

01-Mar-24

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

Sample ID: <b>MB-80624</b>	SampType: <b>MBLK</b>	TestCode: <b>SM 4500 Norg C: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80624</b>	RunNo: <b>103327</b>								
Prep Date: <b>2/23/2024</b>	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3821962</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	1.0								

Sample ID: <b>LCS-80624</b>	SampType: <b>LCS</b>	TestCode: <b>SM 4500 Norg C: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80624</b>	RunNo: <b>103327</b>								
Prep Date: <b>2/23/2024</b>	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3821963</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	9.8	1.0	10.00	0	98.0	80	120			

**Qualifiers:**

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



Sample Log-In Check List

Client Name: EA Engineering Work Order Number: 2402826 RcptNo: 1
Received By: Tracy Casarrubias 2/16/2024 8:30:00 AM
Completed By: Tracy Casarrubias 2/16/2024 8:52:35 AM
Reviewed By: [Signature] 2/16/24

Chain of Custody

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

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: 3 (<2 or >12 unless noted)
Adjusted? No
Checked by: [Signature] 2/16/24

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 0.2, Good, Not Present, Morty, [ ], [ ]

# Chain-of-Custody Record



**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Turn-Around Time:  Standard  Rush

Project Name: Dominguez Dairy 1

Project #: \_\_\_\_\_

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice:  Yes  No

# of Coolers: 1

Cooler Temp (including EPI): 0 2 - 0 = 0.2

Container Type and #

Preservative Type

HEAL No. 2402826

Date	Time	Matrix	Sample Name
2-15	10:40	GW	624-01
2-15	12:26	GW	624-01
2-15	15:20	GW	624-02

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

Received by: \_\_\_\_\_ Date: 2/16/24 Time: 8:30

Relinquished by: *Chad M*

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Remarks:

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

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 [www.hallenvironmental.com](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402860

Date Reported: 3/1/2024

**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	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	1940	100	*D	mg/L	1	2/22/2024 3:40:00 PM	80556
<b>SM 4500 NORG C: TKN</b>							Analyst: <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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402860

Date Reported: 3/1/2024

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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	620	50	*	mg/L	100	2/19/2024 1:30:10 PM	R103190
Nitrate+Nitrite as N	1.0	1.0		mg/L	5	2/19/2024 7:18:25 PM	R103190
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	3180	100	*D	mg/L	1	2/22/2024 3:40:00 PM	80556
<b>SM 4500 NORG C: TKN</b>							Analyst: <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.

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



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402860

01-Mar-24

**Client:** EA Engineering  
**Project:** Dominquez Dairy 1

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103190</b>	RunNo: <b>103190</b>								
Prep Date:	Analysis Date: <b>2/19/2024</b>	SeqNo: <b>3816096</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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103190</b>	RunNo: <b>103190</b>								
Prep Date:	Analysis Date: <b>2/19/2024</b>	SeqNo: <b>3816097</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	4.6	0.50	5.000	0	92.7	90	110			
Nitrate+Nitrite as N	3.4	0.20	3.500	0	97.2	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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402860

01-Mar-24

**Client:** EA Engineering  
**Project:** Dominquez Dairy 1

Sample ID: <b>MB-80556</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80556</b>	RunNo: <b>103264</b>								
Prep Date: <b>2/21/2024</b>	Analysis Date: <b>2/22/2024</b>	SeqNo: <b>3818609</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80556</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80556</b>	RunNo: <b>103264</b>								
Prep Date: <b>2/21/2024</b>	Analysis Date: <b>2/22/2024</b>	SeqNo: <b>3818610</b>			Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	995	50.0	1000	0	99.5	80	120			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402860

01-Mar-24

**Client:** EA Engineering  
**Project:** Dominquez Dairy 1

Sample ID: <b>MB-80624</b>	SampType: <b>MBLK</b>	TestCode: <b>SM 4500 Norg C: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80624</b>	RunNo: <b>103327</b>								
Prep Date: <b>2/23/2024</b>	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3821962</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	1.0								

Sample ID: <b>LCS-80624</b>	SampType: <b>LCS</b>	TestCode: <b>SM 4500 Norg C: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80624</b>	RunNo: <b>103327</b>								
Prep Date: <b>2/23/2024</b>	Analysis Date: <b>2/26/2024</b>	SeqNo: <b>3821963</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	9.8	1.0	10.00	0	98.0	80	120			

**Qualifiers:**

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



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: 2402860 RcptNo: 1
Received By: Tracy Casarrubias 2/17/2024 10:55:00 AM
Completed By: Tracy Casarrubias 2/17/2024 11:12:54 AM
Reviewed By: [Signature] 2/19/24

Chain of Custody

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

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [ ] NA [ ]
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [ ] NA [ ]
5. Sample(s) in proper container(s)? Yes [checked] No [ ]
6. Sufficient sample volume for indicated test(s)? Yes [checked] No [ ]
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No [ ]
8. Was preservative added to bottles? Yes [ ] No [checked] NA [ ]
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [ ] No [ ] NA [checked]
10. Were any sample containers received broken? Yes [ ] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No [ ]
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No [ ]
13. Is it clear what analyses were requested? Yes [checked] No [ ]
14. Were all holding times able to be met? Yes [checked] No [ ]

# of preserved bottles checked for pH: 2 (or >12 unless noted)
Adjusted? No
Checked by: Tmc 2/19/24

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

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

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 3.4, Good, Yes, Morty, [ ], [ ]



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](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402600

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

**Lab ID:** 2402600-001

**Matrix:** GROUNDWA

**Received Date:** 2/13/2024 8:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>RBC</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	4560	100	*D	mg/L	1	2/15/2024 10:54:00 AM	80421
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402600

Date Reported: 2/29/2024

**CLIENT:** EA Engineering

**Client Sample ID:** 70-01

**Project:** Mountain View Dairy

**Collection Date:** 2/12/2024 12:52:00 PM

**Lab ID:** 2402600-002

**Matrix:** GROUNDWA

**Received Date:** 2/13/2024 8:34:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>RBC</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	3100	100	*D	mg/L	1	2/15/2024 10:54:00 AM	80421
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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



# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402600

Date Reported: 2/29/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>RBC</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	2760	250	*D	mg/L	1	2/15/2024 10:54:00 AM	80421
<b>SM 4500 NORG C: TKN</b>							Analyst: <b>DML</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402600

Date Reported: 2/29/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>RBC</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	3020	250	*D	mg/L	1	2/19/2024 5:00:00 PM	80476
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402600

29-Feb-24

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

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103069</b>	RunNo: <b>103069</b>								
Prep Date:	Analysis Date: <b>2/13/2024</b>	SeqNo: <b>3810301</b>	Units: <b>mg/L</b>							
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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103069</b>	RunNo: <b>103069</b>								
Prep Date:	Analysis Date: <b>2/13/2024</b>	SeqNo: <b>3810302</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	4.8	0.50	5.000	0	95.1	90	110			
Nitrogen, Nitrite (As N)	0.97	0.10	1.000	0	97.1	90	110			
Nitrogen, Nitrate (As N)	2.5	0.10	2.500	0	99.7	90	110			
Sulfate	9.6	0.50	10.00	0	96.4	90	110			

Sample ID: <b>2402600-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>70-03</b>	Batch ID: <b>R103069</b>	RunNo: <b>103069</b>								
Prep Date:	Analysis Date: <b>2/13/2024</b>	SeqNo: <b>3810311</b>	Units: <b>mg/L</b>							
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			

Sample ID: <b>2402600-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>70-03</b>	Batch ID: <b>R103069</b>	RunNo: <b>103069</b>								
Prep Date:	Analysis Date: <b>2/13/2024</b>	SeqNo: <b>3810312</b>	Units: <b>mg/L</b>							
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:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402600

29-Feb-24

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

Sample ID: <b>MB-80421</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80421</b>	RunNo: <b>103103</b>								
Prep Date: <b>2/13/2024</b>	Analysis Date: <b>2/15/2024</b>	SeqNo: <b>3812042</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80421</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80421</b>	RunNo: <b>103103</b>								
Prep Date: <b>2/13/2024</b>	Analysis Date: <b>2/15/2024</b>	SeqNo: <b>3812043</b>	Units: <b>mg/L</b>							
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			

Sample ID: <b>MB-80476</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80476</b>	RunNo: <b>103170</b>								
Prep Date: <b>2/15/2024</b>	Analysis Date: <b>2/19/2024</b>	SeqNo: <b>3815535</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80476</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80476</b>	RunNo: <b>103170</b>								
Prep Date: <b>2/15/2024</b>	Analysis Date: <b>2/19/2024</b>	SeqNo: <b>3815536</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	1020	50.0	1000	0	102	80	120			

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402600

29-Feb-24

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

Sample ID: <b>MB-80448</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80448</b>	RunNo: <b>103139</b>								
Prep Date: <b>2/14/2024</b>	Analysis Date: <b>2/16/2024</b>	SeqNo: <b>3813947</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCSLL-80448</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>80448</b>	RunNo: <b>103139</b>								
Prep Date: <b>2/14/2024</b>	Analysis Date: <b>2/16/2024</b>	SeqNo: <b>3813948</b>	Units: <b>mg/L</b>							
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: <b>LCS-80448</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80448</b>	RunNo: <b>103139</b>								
Prep Date: <b>2/14/2024</b>	Analysis Date: <b>2/16/2024</b>	SeqNo: <b>3813949</b>	Units: <b>mg/L</b>							
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.                                      | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix  | E Above Quantitation Range/Estimated Value        |
| H Holding times for preparation or analysis exceeded                            | J Analyte detected below quantitation limits      |
| ND Not Detected at the Reporting Limit  | P Sample pH Not In Range                          |
| PQL Practical Quantitative Limit  | RL Reporting Limit                                |
| S % Recovery outside of standard limits. If undiluted results may be estimated. |   |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402600

29-Feb-24

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

Sample ID: <b>MB-80529</b>	SampType: <b>MBLK</b>	TestCode: <b>SM 4500 Norg C: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80529</b>	RunNo: <b>103242</b>								
Prep Date: <b>2/20/2024</b>	Analysis Date: <b>2/21/2024</b>	SeqNo: <b>3817768</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	1.0								

Sample ID: <b>LCS-80529</b>	SampType: <b>LCS</b>	TestCode: <b>SM 4500 Norg C: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80529</b>	RunNo: <b>103242</b>								
Prep Date: <b>2/20/2024</b>	Analysis Date: <b>2/21/2024</b>	SeqNo: <b>3817769</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	10	1.0	10.00	0	101	80	120			

**Qualifiers:**

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

Client Name: **EA Engineering**      Work Order Number: **2402600**      RcptNo: **1**

Received By: **Cheyenne Cason**      2/13/2024 8:34:00 AM      *Chad*

Completed By: **Tracy Casarrubias**      2/13/2024 8:47:48 AM

Reviewed By: *SCM 2/13/24*

**Chain of Custody**

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

**Log In**

3. Was an attempt made to cool the samples?      Yes       No       NA
4. Were all samples received at a temperature of >0° C to 6.0°C      Yes       No       NA
5. Sample(s) in proper container(s)?      Yes       No
6. Sufficient sample volume for indicated test(s)?      Yes       No
7. Are samples (except VOA and ONG) properly preserved?      Yes       No
8. Was preservative added to bottles?      Yes       No       NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA?      Yes       No       NA
10. Were any sample containers received broken?      Yes       No
11. Does paperwork match bottle labels?      Yes       No   
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody?      Yes       No
13. Is it clear what analyses were requested?      Yes       No
14. Were all holding times able to be met?      Yes       No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: 4  
(≤2 or >12 unless noted)  
Adjusted? NO  
Checked by: JC 2/13/24

**Special Handling (if applicable)**

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

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

16. Additional remarks:

**17. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.2	Good	Not Present	Morty		





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](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402672

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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	3160	100	*D	mg/L	1	2/19/2024 5:00:00 PM	80476
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402672

Date Reported: 2/29/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	1000	50	*	mg/L	100	2/15/2024 2:28:53 AM	R103098
Nitrogen, Nitrite (As N)	ND	10		mg/L	100	2/15/2024 2:28:53 AM	R103098
Nitrogen, Nitrate (As N)	37	1.0	*	mg/L	10	2/15/2024 2:16:33 AM	R103098
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	3170	50.0	*	mg/L	1	2/19/2024 5:00:00 PM	80476
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/22/2024 2:47:00 PM	80559

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

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402672

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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
Chloride	340	50	*	mg/L	100	2/15/2024 2:53:34 AM	R103098
Nitrogen, Nitrite (As N)	ND	10		mg/L	100	2/15/2024 2:53:34 AM	R103098
Nitrogen, Nitrate (As N)	47	1.0	*	mg/L	10	2/15/2024 2:41:14 AM	R103098
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	2150	50.0	*	mg/L	1	2/19/2024 5:00:00 PM	80476
<b>EPA 351.2: TKN</b>							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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402672

Date Reported: 2/29/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	2180	100	*D	mg/L	1	2/19/2024 5:00:00 PM	80476
<b>EPA 351.2: TKN</b>							Analyst: <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.

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402672

29-Feb-24

**Client:** EA Engineering  
**Project:** Dominguez Dairy 2

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103098</b>	RunNo: <b>103098</b>								
Prep Date:	Analysis Date: <b>2/15/2024</b>	SeqNo: <b>3811733</b>			Units: <b>mg/L</b>					
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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103098</b>	RunNo: <b>103098</b>								
Prep Date:	Analysis Date: <b>2/15/2024</b>	SeqNo: <b>3811734</b>			Units: <b>mg/L</b>					
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>2402672-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>42-03</b>	Batch ID: <b>R103098</b>	RunNo: <b>103098</b>								
Prep Date:	Analysis Date: <b>2/15/2024</b>	SeqNo: <b>3811739</b>			Units: <b>mg/L</b>					
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>2402672-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>42-03</b>	Batch ID: <b>R103098</b>	RunNo: <b>103098</b>								
Prep Date:	Analysis Date: <b>2/15/2024</b>	SeqNo: <b>3811740</b>			Units: <b>mg/L</b>					
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	
Nitrogen, Nitrate (As N)	63	1.0	25.00	36.53	106	80	120	0.147	20	

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402672

29-Feb-24

**Client:** EA Engineering  
**Project:** Dominguez Dairy 2

Sample ID: <b>MB-80476</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80476</b>	RunNo: <b>103170</b>								
Prep Date: <b>2/15/2024</b>	Analysis Date: <b>2/19/2024</b>	SeqNo: <b>3815535</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80476</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80476</b>	RunNo: <b>103170</b>								
Prep Date: <b>2/15/2024</b>	Analysis Date: <b>2/19/2024</b>	SeqNo: <b>3815536</b>	Units: <b>mg/L</b>							
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: <b>2402672-002ADUP</b>	SampType: <b>DUP</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>42-13</b>	Batch ID: <b>80476</b>	RunNo: <b>103170</b>								
Prep Date: <b>2/15/2024</b>	Analysis Date: <b>2/19/2024</b>	SeqNo: <b>3815548</b>	Units: <b>mg/L</b>							
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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402672

29-Feb-24

**Client:** EA Engineering  
**Project:** Dominguez Dairy 2

Sample ID: <b>MB-80559</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80559</b>	RunNo: <b>103277</b>								
Prep Date: <b>2/21/2024</b>	Analysis Date: <b>2/22/2024</b>	SeqNo: <b>3819366</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCSLL-80559</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>80559</b>	RunNo: <b>103277</b>								
Prep Date: <b>2/21/2024</b>	Analysis Date: <b>2/22/2024</b>	SeqNo: <b>3819367</b>	Units: <b>mg/L</b>							
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: <b>LCS-80559</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80559</b>	RunNo: <b>103277</b>								
Prep Date: <b>2/21/2024</b>	Analysis Date: <b>2/22/2024</b>	SeqNo: <b>3819368</b>	Units: <b>mg/L</b>							
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	110			

**Qualifiers:**

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



# Sample Log-In Check List

Client Name: **EA Engineering**      Work Order Number: **2402672**      RcptNo: **1**

Received By: **Tracy Casarrubias**      2/14/2024 8:30:00 AM

Completed By: **Tracy Casarrubias**      2/14/2024 10:13:56 AM

Reviewed By: **SEM 2/14/24**

**Chain of Custody**

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

**Log In**

3. Was an attempt made to cool the samples?      Yes       No       NA
4. Were all samples received at a temperature of >0° C to 6.0°C      Yes       No       NA
5. Sample(s) in proper container(s)?      Yes       No
6. Sufficient sample volume for indicated test(s)?      Yes       No
7. Are samples (except VOA and ONG) properly preserved?      Yes       No
8. Was preservative added to bottles?      Yes       No       NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA?      Yes       No       NA
10. Were any sample containers received broken?      Yes       No
11. Does paperwork match bottle labels?      Yes       No   
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody?      Yes       No
13. Is it clear what analyses were requested?      Yes       No
14. Were all holding times able to be met?      Yes       No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: 4  
(~~0~~ or >12 unless noted)

Adjusted? NO

Checked by: TMC 2/14/24

**Special Handling (if applicable)**

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

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_

By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	-0.5	Good	Not Present	Morty		



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](http://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  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402547

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	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>RBC</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	2160	50.0	*	mg/L	1	2/15/2024 10:54:00 AM	80421
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2402547

Date Reported: 2/26/2024

**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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>SNS</b>
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	5	2/14/2024 8:03:53 PM	R103097
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	6290	50.0	*	mg/L	1	2/15/2024 10:54:00 AM	80421
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
Nitrogen, Kjeldahl, Total	ND	0.50		mg/L	1	2/16/2024 11:24:00 AM	80447

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

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

# Hall Environmental Analysis Laboratory, Inc.

**Analytical Report**

Lab Order **2402547**

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
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>RBC</b>
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
<b>SM2540C MOD: TOTAL DISSOLVED SOLIDS</b>							Analyst: <b>KCB</b>
Total Dissolved Solids	3140	250	*D	mg/L	1	2/15/2024 10:54:00 AM	80421
<b>EPA 351.2: TKN</b>							Analyst: <b>EAH</b>
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.

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402547

26-Feb-24

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

Sample ID: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103097</b>	RunNo: <b>103097</b>								
Prep Date:	Analysis Date: <b>2/14/2024</b>	SeqNo: <b>3811596</b>	Units: <b>mg/L</b>							
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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103097</b>	RunNo: <b>103097</b>								
Prep Date:	Analysis Date: <b>2/14/2024</b>	SeqNo: <b>3811598</b>	Units: <b>mg/L</b>							
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: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103097</b>	RunNo: <b>103097</b>								
Prep Date:	Analysis Date: <b>2/14/2024</b>	SeqNo: <b>3811660</b>	Units: <b>mg/L</b>							
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: <b>LCS</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>R103097</b>	RunNo: <b>103097</b>								
Prep Date:	Analysis Date: <b>2/14/2024</b>	SeqNo: <b>3811661</b>	Units: <b>mg/L</b>							
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: <b>MB</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBW</b>	Batch ID: <b>R103158</b>	RunNo: <b>103158</b>								
Prep Date:	Analysis Date: <b>2/16/2024</b>	SeqNo: <b>3814836</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Chloride	ND	0.50								
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**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402547

26-Feb-24

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

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R103158</b>		RunNo: <b>103158</b>							
Prep Date:	Analysis Date: <b>2/16/2024</b>		SeqNo: <b>3814837</b>		Units: <b>mg/L</b>					
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: <b>MB</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBW</b>	Batch ID: <b>A103158</b>		RunNo: <b>103158</b>							
Prep Date:	Analysis Date: <b>2/16/2024</b>		SeqNo: <b>3814881</b>		Units: <b>mg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrate+Nitrite as N	ND	0.20								

Sample ID: <b>LCS</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>A103158</b>		RunNo: <b>103158</b>							
Prep Date:	Analysis Date: <b>2/16/2024</b>		SeqNo: <b>3814882</b>		Units: <b>mg/L</b>					
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			

**Qualifiers:**

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



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402547

26-Feb-24

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

Sample ID: <b>MB-80421</b>	SampType: <b>MBLK</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80421</b>	RunNo: <b>103103</b>								
Prep Date: <b>2/13/2024</b>	Analysis Date: <b>2/15/2024</b>	SeqNo: <b>3812042</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids	ND	50.0								

Sample ID: <b>LCS-80421</b>	SampType: <b>LCS</b>	TestCode: <b>SM2540C MOD: Total Dissolved Solids</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80421</b>	RunNo: <b>103103</b>								
Prep Date: <b>2/13/2024</b>	Analysis Date: <b>2/15/2024</b>	SeqNo: <b>3812043</b>	Units: <b>mg/L</b>							
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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2402547

26-Feb-24

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

Sample ID: <b>MB-80447</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>PBW</b>	Batch ID: <b>80447</b>	RunNo: <b>103139</b>								
Prep Date: <b>2/14/2024</b>	Analysis Date: <b>2/16/2024</b>	SeqNo: <b>3813909</b>	Units: <b>mg/L</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Nitrogen, Kjeldahl, Total	ND	0.50								

Sample ID: <b>LCSLL-80447</b>	SampType: <b>LCSLL</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>80447</b>	RunNo: <b>103139</b>								
Prep Date: <b>2/14/2024</b>	Analysis Date: <b>2/16/2024</b>	SeqNo: <b>3813910</b>	Units: <b>mg/L</b>							
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: <b>LCS-80447</b>	SampType: <b>LCS</b>	TestCode: <b>EPA 351.2: TKN</b>								
Client ID: <b>LCSW</b>	Batch ID: <b>80447</b>	RunNo: <b>103139</b>								
Prep Date: <b>2/14/2024</b>	Analysis Date: <b>2/16/2024</b>	SeqNo: <b>3813911</b>	Units: <b>mg/L</b>							
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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# Sample Log-In Check List

Client Name: **EA Engineering**      Work Order Number: **2402547**      RcptNo: **1**

Received By: **Cheyenne Cason**      2/10/2024 10:00:00 AM      *CC*

Completed By: **Cheyenne Cason**      2/12/2024 7:23:16 AM      *CC*

Reviewed By: *JH 2-12-24*

**Chain of Custody**

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

**Log In**

3. Was an attempt made to cool the samples?      Yes       No       NA
4. Were all samples received at a temperature of >0° C to 6.0°C      Yes       No       NA
5. Sample(s) in proper container(s)?      Yes       No
6. Sufficient sample volume for indicated test(s)?      Yes       No
7. Are samples (except VOA and ONG) properly preserved?      Yes       No
8. Was preservative added to bottles?      Yes       No       NA
9. Received at least 1 vial with headspace <1/4" for AQ VOA?      Yes       No       NA
10. Were any sample containers received broken?      Yes       No
11. Does paperwork match bottle labels?      Yes       No   
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody?      Yes       No
13. Is it clear what analyses were requested?      Yes       No
14. Were all holding times able to be met?      Yes       No   
(If no, notify customer for authorization.)

# of preserved bottles checked for pH: 3  
(~~2~~ or >12 unless noted)  
Adjusted? NO  
Checked by: JH 2/12/24

**Special Handling (if applicable)**

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

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

16. Additional remarks:

**17. Cooler Information**

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

