

**TABLE 6. SUMMARY OF COMPOUND SPECIFIC ISOTOPE ANALYSIS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date	$\delta^{15}\text{N}^*$ (unitless)	$\delta^{18}\text{O}$ (unitless)
NORTHERN AREA			
Mountain View Dairy			
70-02	14-Oct-2025	25.00	14.26
	15-Sep-2020	19.07	12.41
	16-Dec-2015	17.38	11.56
Dominguez Dairy			
624-11	14-Oct-2025	10.61	-0.49
Former D&J Dairy (Dominguez 2)			
42-03	14-Oct-2025	12.81	4.39
	15-Sep-2020	12.94	3.70
	21-Dec-2015	13.67	4.57
42-06	14-Oct-2025	16.80	4.86
	15-Sep-2020	15.43	-0.34
	15-Mar-2016	17.51	8.15
Gonzalez Dairy			
177-05	15-Sep-2020	12.48	5.55
	16-Dec-2015	8.99	-3.06
177-07R	15-Sep-2020	14.08	7.58
	16-Dec-2015	12.15	-0.47
Abatement Plan			
DAD-14	15-Oct-2025	12.47	4.33
	16-Sep-2020	13.59	8.93
	16-Dec-2015	12.59	-2.41
DAD-23	14-Oct-2025	10.79	-1.97
	16-Sep-2020	10.17	-3.56
	21-Dec-2015	20.45	0.38
CENTRAL AREA			
River Valley Dairy			
167-04	15-Dec-2015	12.83	5.30
167-07	15-Dec-2015	U	U
Big Sky Dairy			
833-02	15-Oct-2025	9.50	-0.78
	16-Sep-2020	10.25	0.07
	16-Dec-2015	9.10	-0.77
833-07	15-Oct-2025	11.79	2.00
	16-Sep-2020	11.23	0.20
833-09	15-Oct-2025	12.72	2.74
	16-Sep-2020	15.88	9.15
	16-Dec-2015	14.41	3.71

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Sunset/Desert Land Dairy			
257-01	15-Oct-2025	19.54	7.59
	16-Sep-2020	17.42	7.96
	15-Dec-2015	13.72	7.82
257-02	15-Oct-2025	13.03	0.68
	16-Sep-2020	17.35	5.18
	15-Dec-2015	10.20	-3.48
Abatement Plan			
DAD-08	16-Oct-2025	9.28	-0.35
	16-Sep-2020	8.61	-0.38
DAD-25	16-Oct-2025	23.21	13.89
	16-Sep-2020	11.39	3.01
	21-Dec-2015	12.34	0.13
SOUTHERN AREA			
Del Oro Dairy			
692-02	16-Oct-2025	8.24	-0.53
	Nitrate Concentrations Too Low - Could Not Analyze		
	17-Dec-2015	16.01	6.05
Abatement Plan			
DAD-09	16-Oct-2025	7.76	0.53
	16-Sep-2020	10.38	3.88
	16-Dec-2015	10.80	3.76
DAD-21	16-Oct-2025	9.95	3.61
	16-Sep-2020	11.28	3.90

NOTES:

$\delta^{18}\text{O}$ = Oxygen-18

$\delta^{15}\text{N}$ = Nitrate-15

* Two $\delta^{15}\text{N}$ results were reported for each 2025 sample. The result from the first analysis is presented in this table.

L = liter

mg = milligrams

NS = Not Sampled

TOC = Total Organic Carbon

U = Reliable isotope ratios not obtainable due to low nitrate concentrations.