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November 25, 2015

Mr. Ray Montes
New Mexico Environment Department
Ground Water Quality Bureau
Remediation Oversight Section
1170 N. Solano, Ste. M
Las Cruces, NM 88001

Dear Mr. Montes:

On behalf of Doña Ana Dairies, Inc., EA Engineering, Science, and Technology, Inc., PBC is submitting this Quarterly Groundwater Monitoring Report for Doña Ana Dairies located in Mesquite, Vado, and Anthony, New Mexico. The report discusses the quarterly groundwater sampling event conducted to fulfill requirements of the Stage 1 Abatement Plan for Doña Ana Dairies.

Please let me know if you have any questions regarding the information provided in this report.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Teri McMillan', is positioned above the printed name.

Teri McMillan
Project Manager

A handwritten signature in blue ink, appearing to read 'Jay Snyder', is positioned above the printed name.

Jay Snyder
Senior Hydrogeologist

Enclosure

Cc: Linda Armstrong, Doña Ana Dairies
File



QUARTERLY GROUNDWATER
MONITORING REPORT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

Prepared for:

Doña Ana Dairies
Mesquite, New Mexico

Prepared by:

EA Engineering, Science,
and Technology, Inc., PBC
320 Gold Avenue SW, Suite 1300
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November 2015

EA Project No. 1464103.0008



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Prepared for:

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Albuquerque, New Mexico

A handwritten signature in blue ink that reads 'Teri McMillan'.

Teri McMillan
Project Manager

11/25/2015

Date

A handwritten signature in blue ink that reads 'Jay Snyder'.

Jay Snyder
Senior Hydrogeologist

11/25/2015

Date

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1.0 INTRODUCTION

On behalf of Doña Ana Dairies (Dairies), EA Engineering, Science, and Technology, Inc., PBC (EA) has prepared this Quarterly Monitoring Report for Doña Ana Dairies located south of Las Cruces, New Mexico (Figure 1). The report was completed in accordance with the *Stage 1 and 2 Abatement Plan Proposal* and the *Sampling and Analysis Plan, Doña Ana Dairies, Doña Ana County, New Mexico* dated December 11, 2006 and August 11, 2008, respectively, and the Conceptual Work Plan (CWP) dated February 1, 2008. All were prepared to satisfy requirements stated in the New Mexico Administrative Code (NMAC), Title 20, 6.2 §4106 through §4110. The Stage 1 and 2 Abatement Plan was approved on June 16, 2008 by the New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB). The Sampling and Analysis Plan was approved by the NMED GWQB on September 25, 2008.

1.1 Objective

The objective of this monitoring program is to satisfy the requirements set forth in NMAC 20.6.2 4106 C, Stage 1 Abatement Plan monitoring program.

The following work was performed to meet the objective of the monitoring program, and included:

- On August 5 through August 6, 2015, representatives from D&H Petroleum and Environmental Services, Inc. (D&H) gauged all discharge plan (DP) and abatement plan (AP) monitoring wells. Several wells were re-gauged on August 13 and August 16, 2015.
- On August 31 through September 2, 2015, D&H representatives collected groundwater samples from 21 of the 22 AP wells and each of the Dairies' DP monitoring wells that contained sufficient water to sample and had operational pumps. DP specified lagoons were also sampled during this event. AP well DAD-06 did not contain enough water to sample. The sampling campaign lasted about three weeks. The samples were delivered to TraceAnalysis, Inc. and analyzed for nitrate using EPA Method 300.0 or SM 4500 NO₃ E, chloride by EPA Method 300.0, total dissolved solids (TDS) by Method SM 2540C, and total Kjeldhal nitrogen (TKN) by Method SM 4500 N org C.
- The most recent groundwater gauging and analytical results were compiled into this Quarterly Groundwater Monitoring Report.

1.2 Background

In correspondence dated April 7, 2006, NMED required a Stage 1 Abatement Plan for 13 dairies in Doña Ana County, based on analytical results from DP monitoring of on-site compliance monitoring wells that showed concentrations of nitrate, chloride and TDS exceeding ground water standards promulgated in New Mexico Water Quality Control Commission (NMWQCC) Regulations (20 NMAC 6.2 §3103). On October 30, 2006, the Dairies notified NMED that they had reached an agreement to work as a group and submit a joint response to NMED's request (Doña Ana Dairies, 2006).

On December 11, 2006, on behalf of the Doña Ana Dairies, Golder Associates (Golder) submitted a Stage 1 and 2 Abatement Plan Proposal to address impacts to groundwater in the area of the Dairies (Golder 2006). The first major deliverable in the Abatement Plan Proposal was an Existing Data Report (EDR) to bring together in one document historical data and practices of the constituent dairies.

The EDR, submitted on February 1, 2008, (Golder 2008a) was intended to satisfy the Dairies commitment for compilation and submission of existing data identified in the Doña Ana Dairies response (2006) to the NMED requirement for Stage I Abatement Plans. Section 9 of the EDR outlined data gaps identified during the preparation of the report, as well as the actions recommended. To facilitate the discussion of the path forward after the submittal of the EDR and concurrent with the EDR submission, a conceptual work plan (CWP) was prepared. (Golder 2008b).

On July 15, 2008, the Dairies, Golder and NMED met (Golder 2008c). During that meeting, plume maps presented in the EDR (Golder 2008a), new monitoring data, and knowledge of well locations and groundwater chemistry results at adjacent DP-regulated facilities were used to identify data gaps with respect to ground water flow direction and plume delineation. The agreed upon data gaps yielded well locations (including contingency locations) recorded in the meeting minutes (Golder 2008c) and depicted in the Sampling and Analysis Plan (SAP) dated August 8, 2008 (Golder 2008d). The SAP outlined the details of the field operations to be implemented for completion of data gaps, such that a Site Investigation Report (§4106.C.6) and Stage 2 Abatement Plan (§4106.D) could be prepared.

Groundwater gauging was conducted concurrent to discussions with NMED at the Dairies for four quarters, February 2008, June 2008, September 2008, and December 2008, to determine the current and historical site groundwater gradient.

In May 2009, field work was conducted as outlined in the SAP and ten (10) AP monitoring wells (DAD-01 through DAD-10) were installed. In July 2009, the Site Investigation Report was submitted to the NMED.

On February 9, 2012 the Final Site Investigation Report was submitted to NMED. The report summarized field activities that occurred from October 10 through October 14, 2011 and November 10 through 18, 2011, during which eleven soil borings were advanced at the site and converted into monitoring wells DAD-12 through DAD-14, DAD-16 through DAD-22, and DP well 177-03A.

On August 16, 2012 soil boring/monitoring well DAD-15 was installed and on August 20, 2012 well DAD-15 sampled. An addendum to the Final Site Investigation Report was submitted to NMED on September 7, 2012, which summarized DAD-15 field activities.

A Stage 2 Abatement Plan was submitted to NMED on March 13, 2013. Based on an NMED response in August 2013, a Revision to the Stage 2 Abatement Plan was submitted in November 2013.

On March 25, 2015, the stipulated agreement to additional requirements to the Dona Ana Dairies Stage 2 Abatement Plan was agreed to by NMED, Dona Ana Dairies, and the Rio Valle Concerned Citizens.

Quarterly groundwater monitoring is ongoing.

2.0 GROUNDWATER MONITORING ACTIVITIES

Groundwater monitoring activities conducted by D&H included gauging and sampling DP and AP monitoring wells. Groundwater samples were analyzed for nitrate, chloride, TDS, and TKN. The resulting data from this groundwater monitoring event are compiled and presented herein.

2.1 Well Gauging

On August 5 through August 6, 2015, representatives from D&H gauged the DP and AP monitoring wells with an electronic water level indicator. Several wells were re-gauged on August 13 and August 16, 2015. Due to a declining water table, several wells were dry or contained insufficient water for sampling. Table 1 provides a summary of the groundwater gauging data collected from the monitoring network. Potentiometric surface maps were constructed based on these data (Figures 2, 3, 4, and 5).

2.2 Groundwater Sampling

From August 31 through September 2, 2015, D&H sampled the AP monitoring wells DAD-01 through DAD-22 with disposable bailers with the exception of well DAD-06, which was dry. Three well volumes were purged unless the well contained insufficient water.

D&H sampled the DP wells from August 7 through August 31, 2015. Prior to sampling, the DP wells were purged three well volumes, if practicable, by (1) hand-bailing with new disposable bailers and twine, (2) pumping with a submersible pump and new polyethylene tubing, or (3) pumping with a dedicated pump and tubing. A bailer was dropped into River Valley well 167-08 and prevented sampling of the well. The bailer will be retrieved and sampling will occur next quarter.

The wells were sampled from clean to dirty to the extent possible to minimize cross-contamination. All non-dedicated or disposable equipment was decontaminated between wells with an Alconox™ solution to further ensure sample quality. Field parameters including, at a minimum, specific conductance, pH, and temperature were monitored and recorded for most of the monitoring wells. The sampling field forms are presented in Appendix A. All meters were calibrated and/or checked with standards in accordance with manufacturer's specifications prior to daily use. Purge water was ground discharged.

All groundwater samples were collected immediately after purging. Sampling was either accomplished by carefully pouring groundwater from the bailer into the sample containers or by pumping groundwater through polyethylene tubing into the sample container. Samples were collected using low-flow methodology at select wells. This sampling method is not included in the sampling and analysis plan and will not be used in future sampling events. Sample containers were provided by TraceAnalysis. Container size, type, sample preservatives, analytical methods, and holding times are specified in Table 2. All samples were preserved in accordance with method requirements, labeled, then immediately cooled to <6°C with ice and delivered under chain-of-custody to TraceAnalysis in El Paso, Texas. All analytical laboratory reports are provided in Appendix B.

3.0 GROUNDWATER MONITORING RESULTS

3.1 Hydraulic Gradient and Direction of Groundwater Flow

This quarter, groundwater was present beneath the site at depths from 11.35 feet below top of casing (ft TOC) in abatement well 257-03 to 134.36 ft TOC in Dominguez #2 well 42-12. Groundwater was encountered at shallower depths near the Mesquite Drain and at greater depths near I-10 where the topographic elevation increases.

Potentiometric surface maps were completed using the monitoring well gauging data for the northern, central, and southern portions of the Dairies and are provided as Figures 2, 3, 4, and 5. Hydrographs were completed for select monitoring wells and are provided in Appendix C. On average, water levels have decreased in the northern area when compared to the monitoring event conducted in May 2015, while water levels in the central and southern areas have slightly increased (See hydrographs presented in Appendix C). Long term decreases in water levels have resulted in many wells becoming dry.

The groundwater flow direction in the northern and southern portion of the regional aquifer is to the southeast, and the groundwater flow in the central portion of the regional aquifer is southerly. The gradient in the southern perched aquifer of the dairy near Anthony, New Mexico, flows southwest. The hydraulic gradient across the Dairies is approximately 0.001 ft/ft.

3.2 Groundwater Analytical Results

3.2.1 Abatement Plan Well Results

Groundwater analyte concentrations were below the NMWQCC standard for nitrate (10 mg/L) in all but 7 of the 21 AP monitoring wells sampled. The AP wells that had nitrate concentrations above standards are DAD-02, DAD-08, DAD-11 (vertical delineation well), DAD-12 (vertical delineation well), DAD-14, DAD-19 (vertical delineation well), and DAD-20. Both chloride and TDS concentrations exceeded their respective NMWQCC standards in all 21 wells sampled.

Nitrate concentrations decreased in all the AP wells except for DAD-07, DAD-08, DAD-09, DAD-12, and DAD-20. The nitrate concentrations in wells DAD-03, DAD-04, and DAD-17 were also below detection limits for this monitoring event. Well DAD-19 saw the largest decrease in nitrate concentrations decreasing from 43.6 mg/L in May 2015 to 36.9 mg/L for this monitoring event. Well DAD-12 increased from 14.6 mg/L in May 2015 to 19.8 mg/L. Nitrate concentrations in the AP wells ranged from below detection limits at <0.194 mg/L in wells DAD-03 and DAD-04 to 65.3 mg/L in well DAD-08 for this event.

Chloride concentrations in the AP wells range from 270 mg/L in well DAD-17 to 2,050 mg/L in well DAD-08 for this event, and TDS ranged from 1,460 mg/L in well DAD-17 to 6,160 mg/L in well DAD-08.

Table 3 summarizes the analytical results for AP monitoring wells and the analytical laboratory results are found in Appendix B. Nitrate and chloride concentration trends for select DAD wells are presented in Appendix D.

3.2.2 Results by Areas at the Dairies

DP groundwater analytical results are summarized in Table 4. These data were combined with the analytical data collected from the 21 AP monitoring wells sampled and are plotted on Figures 6, 7, 8, and 9. Analytical laboratory reports are included in Appendix B. The following discussions summarize the results by area at the Dairies.

Northern Portion

The northern portion nitrate plume downgradient well, DAD-13, was slightly above NMWQCC standard for nitrate (10 mg/L) for the first time during the previous monitoring event (May 2015), but returned to below standards for this event at a concentration of 9.82 mg/L. The upgradient well (Northern Land Application well (70/86/340-01) had a nitrate concentration of 8.66 mg/L, which is below the standard. Eastern cross-gradient wells (Dominguez #2 wells 42-10, 42-11, and 42-12) have nitrate concentrations below the standard, and the eastern cross-gradient AP well DAD-01 was also below standard with a nitrate concentration of 8.52 mg/L. The western delineating cross-gradient well Dominguez 624-05 had a nitrate concentration of 6.72 mg/L in February 2013; however, the well has remained dry since that time. Nitrate concentrations in the well nearest to Dominguez well 624-05, Day Break (Dominguez #2) well 42-02, remained below NMWQCC standards during this monitoring event.

The chloride and TDS concentrations are above standards in all wells sampled within the northern portion. The highest concentrations of chloride and TDS were observed at Northern Land Application area well 70-03 with concentration of 2,510 mg/L and 6,760 mg/L, respectively.

Central Portion

The highest nitrate concentrations were observed in Big Sky Dairy well 833-09 at a concentration of 92.6 mg/L. The upgradient extent of the nitrate plume is defined in the central portion by Buena Vista Dairy II well 74-03 which was below detection limits for nitrate for this event. Sunset Dairy well 257-02 defines the downgradient extent of the plume. The eastern cross-gradient extent of the plume is defined by wells DAD-07 and DAD-15, and the western extent is defined by wells DAD-04, 167-01A, DAD-16, 167-09, 167-05, and 833-10; nitrate concentrations remain below standards in all of these wells. Changes in nitrate concentrations were generally variable and small in the central portion during this sampling event relative to previous sampling events.

Chloride and TDS concentrations are above standards in all wells within the central portion. The highest chloride and TDS concentrations were observed at well DAD-08 at 2,050 mg/L 6,160 mg/L, respectively. Well DAD-08 is located east of Sunset Dairy, adjacent to a new irrigation well.

Southern Portion

Nitrate is present within both the regional and perched aquifers in the southern portion of the Dairies. All of the wells in the regional aquifer are below the NMWQCC standard. For the last five events AP well DAD-10 in the regional aquifer has been above the standard, but nitrate concentrations fell below standards for this event at a concentration of 6.53 mg/L.

The well with the highest nitrate concentration in the shallow perched aquifer is Del Oro Dairy well 692-02 with a concentration of 140 mg/L. The nitrate concentration in AP well DAD-20 was above NMWQCC standard (10 mg/L) at 21.0 mg/L. AP wells DAD-09, DAD-21, and DAD-22 remained below standards for this event at 7.22 mg/L, 4.72 mg/L, and 6.35 mg/L, respectively.

Chloride and TDS concentrations are above NMWQCC standards in all wells sampled within the southern portion. Chloride concentrations in this area ranged from 432 mg/L in Del Oro Dairy well 692-08 to 995 mg/L in well 692-02, while TDS ranged from 1,290 mg/L in Del Oro Dairy well 692-09 to 3,660 mg/L in Del Oro Dairy well 692-02. As discussed previously, upgradient Del Oro well 692-08 had a chloride concentration of 432 mg/L and a TDS concentration of 1,380 mg/L.

4.0 CONCLUSION AND RECOMMENDATIONS

The groundwater monitoring event included the gauging of all accessible DP and DAD wells and sampling of 21 DAD wells and the DP wells that were accessible and contained sufficient water to sample. Based on the data collected, the following conclusions and recommendations are presented:

- The depth to groundwater at the site ranged from 11.35 to 134.36 feet below the top of casing.
- On average, water levels have decreased in the northern area since May 2015, while water levels in the central and southern areas have increased.
- The groundwater flow direction at the Dairies within the regional groundwater aquifer is south-southeast. The hydraulic gradient is 0.001 ft/ft.
- The perched groundwater aquifer at Del Oro Dairy has a groundwater flow direction toward the southwest.
- Nitrate was below the NMWQCC standards in 14 of the 21 groundwater samples collected from the AP wells.
- Chloride was above the NMWQCC standard in all monitoring wells sampled.
- TDS was above the NMWQCC standard in all monitoring wells sampled.
- Chloride and TDS remain above standards in wells upgradient of the northern, central, and southern portions of the plume at the Dairies. Chloride and TDS are regionally elevated above standards and not necessarily attributed to the Dairies.
- The bailer in River Valley well 167-08 will be removed, and the well will be sampled.

EA has recommended that the number of abatement and discharge plan wells be reduced for quarterly sampling in the Stage 2 Abatement Plan.

5.0 REFERENCES

- Doña Ana Dairies. 2006. Letter Regarding Agreement for Joint Stage 1 and Stage 2 Abatement Plan and Storm Water and Wastewater Pond Upgrades. Letter from Mr. Michael Weatherly, Chairman, Doña Ana Dairies, to Mr. William Olson, Chief, Ground Water Quality Bureau. October 30.
- Golder Associates, Inc. (Golder). 2006. Stage 1 and 2 Abatement Plan Proposal, prepared for New Mexico Environment Department, Remediation Oversight Section, on behalf of Doña Ana Dairies. December 11.
- Golder 2008a. Existing Data Report and Conceptual Work Plan, Doña Ana Dairies, Mesquite, New Mexico. February 1.
- Golder 2008b. Conceptual Work Plan. Doña Ana Dairies, Mesquite, New Mexico. February 1.
- Golder 2008c. Notes for the Meeting Regarding New Monitoring Well Installation. Meeting Participants: Doña Ana Dairy representative, DAD technical representatives, and NMED staff. July 28.
- Golder 2008d. Sampling and Analysis Plan. Doña Ana Dairies, Mesquite, New Mexico. August 11.
- New Mexico Environment Department (NMED). 2008. Conditional Approval of Stage 1 Abatement Plan for Doña Ana Dairies. Letter from Mr. Bill Olson, Chief, Ground Water Quality Bureau, to Mr. Weatherly, Doña Ana Dairies. June 16.
- NMED. 2008. Approval of Sampling and Analysis Plan for the Doña Ana Dairies, Stage 1 Abatement Plan, Doña Ana County, New Mexico. September 25.

TABLES

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
NORTHERN AREA						
Northern Land Application Area						
70-03	5-Aug-2015	424580.78	1510233.88	3871.43	58.45	3812.98
	6-May-2015				57.82	3813.61
	5-Feb-2015				56.55	3814.88
	5-Nov-2014				57.25	3814.18
	12-Aug-2014				57.24	3814.19
	12-May-2014				56.58	3814.85
	12-Feb-2014				55.26	3816.17
	6-Nov-2013				55.93	3815.50
	6-Aug-2013				54.52	3816.91
	7-May-2013				53.87	3817.56
	7-Feb-2013				53.46	3817.97
	24-Oct-2012				54.05	3817.38
	30-Jul-2012				53.70	3817.73
	23-Apr-2012				52.84	3818.59
	30-Jan-2012				51.41	3820.02
	8-Dec-2011				51.49	3819.94
	19-Jul-2011				50.77	3820.66
	20-Apr-2011				49.69	3821.74
	17-Jan-2011				48.70	3822.73
	14-Sep-2010				49.02	3822.41
	24-Jun-2010				48.99	3822.44
	22-Mar-2010				48.90	3822.53
	8-Dec-2009				48.72	3822.71
	28-Aug-2009				49.21	3822.22
26-May-2009	48.91	3822.52				
11-Dec-2008	48.02	3823.41				
28-Sep-2008	48.06	3823.37				
11-Jun-2008	49.20	3822.23				
5-Feb-2008	47.95	3823.48				
14-Nov-2007	48.10	3823.33				
12-Sep-2007	48.70	3822.73				
70/86/340-01	5-Aug-2015	427320.92	1508461.05	3866.77	51.22	3815.55
	6-May-2015				50.90	3815.87
	5-Feb-2015				49.68	3817.09
	5-Nov-2014				50.67	3816.10
	12-Aug-2014				50.38	3816.39
	12-May-2014				49.94	3816.83
	12-Feb-2014				48.95	3817.82
	6-Nov-2013				49.21	3817.56
	6-Aug-2013				46.44	3820.33
	7-May-2013				46.79	3819.98
	7-Feb-2013				46.49	3820.28
	24-Oct-2012				47.30	3819.47
	30-Jul-2012				46.84	3819.93
	23-Apr-2012				45.91	3820.86
	8-Dec-2011				45.17	3821.60
	19-Jul-2011				44.49	3822.28
	20-Apr-2011				43.15	3823.62
	17-Jan-2011				42.00	3824.77
	14-Sep-2010				41.79	3824.98
	24-Jun-2010				42.67	3824.10
	22-Mar-2010				42.21	3824.56
	8-Dec-2009				42.02	3824.75
	28-Aug-2009				42.39	3824.38
	26-May-2009				42.33	3824.44
11-Dec-2008	41.15	3825.62				
28-Sep-2008	41.58	3825.19				
11-Jun-2008	42.31	3824.46				
5-Feb-2008	41.07	3825.70				
14-Nov-2007	41.38	3825.39				
12-Sep-2007	41.46	3825.31				

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Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
86/340-01	5-Aug-2015	432021.33	1503216.90	3876.14	57.73	3818.41
	6-May-2015				57.74	3818.40
	5-Feb-2015				56.32	3819.82
	5-Nov-2014				57.31	3818.83
	12-Aug-2014				57.28	3818.86
	12-May-2014				57.04	3819.10
	12-Feb-2014				55.10	3821.04
	6-Nov-2013				55.78	3820.36
	6-Aug-2013				53.29	3822.85
	7-May-2013				52.65	3823.49
	7-Feb-2013				52.31	3823.83
	24-Oct-2012				53.16	3822.98
	30-Jul-2012				52.70	3823.44
	23-Apr-2012				52.20	3823.94
	30-Jan-2012				51.10	3825.04
	8-Dec-2011				51.20	3824.94
	19-Jul-2011				50.36	3825.78
	20-Apr-2011				48.91	3827.23
	17-Jan-2011				47.00	3829.14
	14-Sep-2010				47.63	3828.51
	24-Jun-2010				48.22	3827.92
	22-Mar-2010				47.66	3828.48
	8-Dec-2009				47.39	3828.75
	28-Aug-2009				47.75	3828.39
	26-May-2009				47.86	3828.28
	11-Dec-2008				46.68	3829.46
28-Sep-2008	47.44	3828.70				
11-Jun-2008	48.11	3828.03				
5-Feb-2008	46.68	3829.46				
14-Nov-2007	47.11	3829.03				
12-Sep-2007	47.85	3828.29				
Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)						
126-04	5-Aug-2015	423258.23	1510546.24	3850.31	37.00	3813.31
	6-May-2015				36.30	3814.01
	5-Feb-2015				35.06	3815.25
	5-Nov-2014				35.62	3814.69
	12-Aug-2014				35.61	3814.70
	12-May-2014				34.98	3815.33
	12-Feb-2014				33.79	3816.52
	6-Nov-2013				34.32	3815.99
	6-Aug-2013				32.93	3817.38
	7-May-2013				32.01	3818.30
	7-Feb-2013				32.05	3818.26
	24-Oct-2012				32.58	3817.73
	30-Jul-2012				32.23	3818.08
	23-Apr-2012				31.46	3818.85
	26-Jan-2012				30.89	3819.42
	8-Dec-2011				30.84	3819.47
	19-Jul-2011				30.26	3820.05
	20-Apr-2011				29.09	3821.22
	17-Jan-2011				28.20	3822.11
	14-Sep-2010				28.60	3821.71
	24-Jun-2010				28.21	3822.10
	22-Mar-2010				28.33	3821.98
	8-Dec-2009				28.17	3822.14
	28-Aug-2009				28.50	3821.81
	26-May-2009				28.30	3822.01
	11-Dec-2008				27.56	3822.75
27-Sep-2008	27.96	3822.35				
10-Jun-2008	28.61	3821.70				
6-Feb-2008	27.53	3822.78				
14-Nov-2007	27.61	3822.70				
11-Sep-2007	28.19	3822.12				

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DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
126-05	5-Aug-2015	422293.26	1510649.84	3842.62	29.38	3813.24
	6-May-2015				28.87	3813.75
	5-Feb-2015				27.65	3814.97
	5-Nov-2014				27.95	3814.67
	12-Aug-2014				27.85	3814.77
	12-May-2014				27.63	3814.99
	12-Feb-2014				26.34	3816.28
	6-Nov-2013				26.67	3815.95
	6-Aug-2013				25.20	3817.42
	7-May-2013				24.65	3817.97
	7-Feb-2013				24.71	3817.91
	24-Oct-2012				24.96	3817.66
	30-Jul-2012				24.73	3817.89
	23-Apr-2012				24.21	3818.41
	26-Jan-2012				23.52	3819.10
	8-Dec-2011				23.50	3819.12
	19-Jul-2011				22.72	3819.90
	20-Apr-2011				21.74	3820.88
	21-Jan-2011				21.30	3821.32
	14-Sep-2010				20.91	3821.71
	24-Jun-2010				21.13	3821.49
	22-Mar-2010				21.06	3821.56
	8-Dec-2009				20.88	3821.74
	28-Aug-2009				20.83	3821.79
	26-May-2009				20.91	3821.71
	11-Dec-2008				20.29	3822.33
	27-Sep-2008				20.42	3822.20
10-Jun-2008	21.26	3821.36				
6-Feb-2008	20.34	3822.28				
14-Nov-2007	20.32	3822.30				
11-Sep-2007	20.74	3821.88				
126-07	5-Aug-2015	423613.62	1509986.47	3850.94	37.39	3813.55
	6-May-2015				36.68	3814.26
	5-Feb-2015				35.62	3815.32
	5-Nov-2014				36.34	3814.60
	12-Aug-2014				36.22	3814.72
	12-May-2014				35.52	3815.42
	12-Feb-2014				34.38	3816.56
	6-Nov-2013				34.89	3816.05
	6-Aug-2013				32.46	3818.48
	7-May-2013				32.33	3818.61
	7-Feb-2013				32.58	3818.36
	24-Oct-2012				32.97	3817.97
	30-Jul-2012				32.60	3818.34
	23-Apr-2012				31.84	3819.10
	26-Jan-2012				31.23	3819.71
	8-Dec-2011				31.28	3819.66
	19-Jul-2011				30.30	3820.64
	20-Apr-2011				28.59	3822.35
	27-Jan-2011				28.43	3822.51
	14-Sep-2010				28.45	3822.49
	24-Jun-2010				28.74	3822.20
	22-Mar-2010				28.57	3822.37
	8-Dec-2009				28.37	3822.57
	28-Aug-2009				28.61	3822.33
	26-May-2009				28.47	3822.47
	11-Dec-2008				27.70	3823.24
	27-Sep-2008				27.97	3822.97
10-Jun-2008	28.78	3822.16				
6-Feb-2008	27.71	3823.23				
14-Nov-2007	27.63	3823.31				
11-Sep-2007	28.06	3822.88				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
126-09	5-Aug-2015	425154.15	1510994.31	3893.35	79.72	3813.63
	6-May-2015				79.01	3814.34
	5-Feb-2015				77.53	3815.82
	5-Nov-2014				78.21	3815.14
	12-Aug-2014				78.15	3815.20
	12-May-2014				77.70	3815.65
	12-Feb-2014				76.14	3817.21
	6-Nov-2013				76.91	3816.44
	6-Aug-2013				76.09	3817.26
	7-May-2013				75.40	3817.95
	7-Feb-2013				74.61	3818.74
	24-Oct-2012				75.29	3818.06
	30-Jul-2012				74.98	3818.37
	23-Apr-2012				73.98	3819.37
	26-Jan-2012				72.24	3821.11
	8-Dec-2011				73.34	3820.01
	19-Jul-2011				73.19	3820.16
	20-Apr-2011				72.11	3821.24
	21-Jan-2011				71.00	3822.35
	14-Sep-2010				71.52	3821.83
	29-Jun-2010				72.23	3821.12
	22-Mar-2010				71.03	3822.32
	8-Dec-2009				70.94	3822.41
	28-Aug-2009				71.73	3821.62
	26-May-2009				71.12	3822.23
	11-Dec-2008				70.27	3823.08
	27-Sep-2008				70.79	3822.56
10-Jun-2008	71.47	3821.88				
6-Feb-2008	70.08	3823.27				
14-Nov-2007	70.46	3822.89				
11-Sep-2007	71.39	3821.96				
126-12	5-Aug-2015	421492.11	1510198.45	3838.88	25.02	3813.86
	6-May-2015				24.78	3814.10
	5-Feb-2015				23.86	3815.02
	5-Nov-2014				23.65	3815.23
	14-Aug-2014				23.37	3815.51
	12-May-2014				23.60	3815.28
	12-Feb-2014				22.46	3816.42
	6-Nov-2013				22.39	3816.49
	6-Aug-2013				21.44	3817.44
	7-May-2013				21.05	3817.83
	7-Feb-2013				20.92	3817.96
	24-Oct-2012				20.53	3818.35
	30-Jul-2012				20.48	3818.40
	23-Apr-2012				20.22	3818.66
	30-Jan-2012				19.79	3819.09
	8-Dec-2011				19.55	3819.33
	19-Jul-2011				18.27	3820.61
	20-Apr-2011				17.62	3821.26
	17-Jan-2011				17.00	3821.88
	16-Sep-2010				16.48	3822.40
	24-Jun-2010				17.30	3821.58
	24-Jun-2010				17.30	3821.58
	22-Mar-2010				17.19	3821.69
	8-Dec-2009				16.99	3821.89
	28-Aug-2009				16.49	3822.39
	26-May-2009				16.85	3822.03
	11-Dec-2008				16.37	3822.51
27-Sep-2008	16.29	3822.59				
10-Jun-2008	17.19	3821.69				
6-Feb-2008	16.62	3822.26				
14-Nov-2007	16.33	3822.55				
11-Sep-2007	16.56	3822.32				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
126-13	5-Aug-2015	423431.96	1510657.41	3857.37	44.00	3813.37
	6-May-2015				43.34	3814.03
	5-Feb-2015				42.05	3815.32
	5-Nov-2014				42.63	3814.74
	12-Aug-2014				42.60	3814.77
	12-May-2014				42.04	3815.33
	12-Feb-2014				40.78	3816.59
	6-Nov-2013				41.35	3816.02
	6-Aug-2013				39.96	3817.41
	7-May-2013				39.01	3818.36
	7-Feb-2013				39.07	3818.30
	24-Oct-2012				39.60	3817.77
	30-Jul-2012				39.30	3818.07
	23-Apr-2012				38.52	3818.85
	26-Jan-2012				37.80	3819.57
	8-Dec-2011				37.86	3819.51
	19-Jul-2011				37.29	3820.08
	20-Apr-2011				35.23	3822.14
	13-Jan-2011				35.23	3822.14
	14-Sep-2010				35.66	3821.71
	24-Jun-2010				36.01	3821.36
	22-Mar-2010				35.40	3821.97
	8-Dec-2009				35.24	3822.13
	28-Aug-2009				35.60	3821.77
	26-May-2009				35.37	3822.00
	11-Dec-2008				34.62	3822.75
	27-Sep-2008				34.99	3822.38
10-Jun-2008	35.69	3821.68				
6-Feb-2008	NA	NA				
14-Nov-2007	16.33	3841.04				
11-Sep-2007	NA	NA				
Mountain View Dairy						
70-01	5-Aug-2015	423303.43	1510585.63	3851.84	38.59	3813.25
	6-May-2015				37.85	3813.99
	5-Feb-2015				36.61	3815.23
	5-Nov-2014				37.17	3814.67
	12-Aug-2014				37.18	3814.66
	12-May-2014				36.56	3815.28
	12-Feb-2014				35.33	3816.51
	6-Nov-2013				35.67	3816.17
	6-Aug-2013				34.19	3817.65
	7-May-2013				34.06	3817.78
	7-Feb-2013				33.58	3818.26
	24-Oct-2012				34.08	3817.76
	30-Jul-2012				33.80	3818.04
	23-Apr-2012				33.09	3818.75
	26-Jan-2012				32.29	3819.55
	8-Dec-2011				32.40	3819.44
	9-Jul-2011				31.77	3820.07
	20-Apr-2011				30.69	3821.15
	17-Jan-2011				29.72	3822.12
	14-Sep-2010				30.19	3821.65
	24-Jun-2010				29.30	3822.54
	22-Mar-2010				Unable to open well	
	8-Dec-2009				29.75	3822.09
	28-Aug-2009				30.08	3821.76
	26-May-2009				29.88	3821.96
	11-Dec-2008				29.13	3822.71
	27-Sep-2008				29.79	3822.05
10-Jun-2008	30.20	3821.64				
5-Feb-2008	29.10	3822.74				
13-Nov-2007	29.25	3822.59				
12-Sep-2007	29.77	3822.07				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
70-02	5-Aug-2015	423412.73	1511192.51	3861.25	48.06	3813.19
	6-May-2015				47.40	3813.85
	5-Feb-2015				46.00	3815.25
	5-Nov-2014				46.67	3814.58
	13-Aug-2014				46.73	3814.52
	12-May-2014				46.08	3815.17
	12-Feb-2014				44.75	3816.50
	6-Nov-2013				45.31	3815.94
	6-Aug-2013				43.87	3817.38
	7-May-2013				43.16	3818.09
	7-Feb-2013				43.13	3818.12
	24-Oct-2012				43.66	3817.59
	30-Jul-2012				43.33	3817.92
	23-Apr-2012				42.60	3818.65
	26-Jan-2012				41.81	3819.44
	8-Dec-2011				41.89	3819.36
	19-Jul-2011				41.52	3819.73
	20-Apr-2011				40.46	3820.79
	17-Jan-2011				38.90	3822.35
	14-Sep-2010				39.96	3821.29
	24-Jun-2010				39.01	3822.24
	22-Mar-2010				39.54	3821.71
	8-Dec-2009				39.42	3821.83
	28-Aug-2009				39.81	3821.44
	26-May-2009				39.56	3821.69
	11-Dec-2008				38.84	3822.41
27-Sep-2008	39.20	3822.05				
10-Jun-2008	39.90	3821.35				
6-Feb-2008	39.77	3821.48				
14-Nov-2007	39.01	3822.24				
11-Sep-2007	39.60	3821.65				
70-04	5-Aug-2015	422798.94	1510922.20	3849.81	36.74	3813.07
	6-May-2015				36.13	3813.68
	5-Feb-2015				34.78	3815.03
	5-Nov-2014				35.20	3814.61
	13-Aug-2014				35.31	3814.50
	12-May-2014				34.81	3815.00
	12-Feb-2014				33.52	3816.29
	7-Nov-2013				34.05	3815.76
	6-Aug-2013				32.03	3817.78
	7-May-2013				31.80	3818.01
	7-Feb-2013				31.85	3817.96

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Buena Vista Dairy I						
86-01	5-Aug-2015	421534.62	1511667.76	3864.96	51.83	3813.13
	6-May-2015				51.44	3813.52
	5-Feb-2015				50.13	3814.83
	5-Nov-2014				50.40	3814.56
	13-Aug-2014				50.29	3814.67
	12-May-2014				50.20	3814.76
	17-Feb-2014				48.87	3816.09
	6-Nov-2013				42.33	3822.63
	6-Aug-2013				47.43	3817.53
	7-May-2013				47.21	3817.75
	7-Feb-2013				47.35	3817.61
	24-Oct-2012				47.61	3817.35
	30-Jul-2012				47.26	3817.70
	23-Apr-2012				46.86	3818.10
	30-Jan-2012				46.34	3818.62
	8-Dec-2011				46.22	3818.74
	19-Jul-2011				45.66	3819.30
	20-Apr-2011				44.28	3820.68
	17-Jan-2011				44.30	3820.66
	16-Sep-2010				44.09	3820.87
	24-Jun-2010				44.39	3820.57
	22-Mar-2010				44.19	3820.77
	8-Dec-2009				43.89	3821.07
	28-Aug-2009				43.96	3821.00
	26-May-2009				44.03	3820.93
	11-Dec-2008				43.53	3821.43
	28-Sep-2008				43.60	3821.36
10-Jun-2008	44.44	3820.52				
5-Feb-2008	43.69	3821.27				
13-Nov-2007	43.78	3821.18				
12-Sep-2007	44.21	3820.75				
86-02	5-Aug-2015	421792.08	1510881.53	3848.08	34.35	3813.73
	6-May-2015				33.97	3814.11
	5-Feb-2015				32.88	3815.20
	5-Nov-2014				33.01	3815.07
	12-Aug-2014				32.62	3815.46
	12-May-2014				32.70	3815.38
	12-Feb-2014				31.62	3816.46
	6-Nov-2013				31.68	3816.40
	6-Aug-2013				30.37	3817.71
	7-May-2013				30.13	3817.95
	7-Feb-2013				30.07	3818.01
	24-Oct-2012				29.71	3818.37
	30-Jul-2012				29.71	3818.37
	23-Apr-2012				29.43	3818.65
	30-Jan-2012				28.94	3819.14
	8-Dec-2011				28.77	3819.31
	19-Jul-2011				27.74	3820.34
	20-Apr-2011				27.18	3820.90
	17-Jan-2011				26.34	3821.74
	16-Sep-2010				26.18	3821.90
	24-Jun-2010				26.79	3821.29
	22-Mar-2010				26.54	3821.54
	8-Dec-2009				26.33	3821.75
	28-Aug-2009				26.11	3821.97
	26-May-2009				26.29	3821.79
	11-Dec-2008				25.77	3822.31
	28-Sep-2008				25.78	3822.3
10-Jun-2008	26.65	3821.43				
5-Feb-2008	26.95	3821.13				
13-Nov-2007	25.88	3822.2				
12-Sep-2007	26.19	3821.89				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Bright Star Dairy						
340-01	5-Aug-2015	421410.13	1511423.42	3858.48	45.01	3813.47
	6-May-2015				44.62	3813.86
	5-Feb-2015				43.56	3814.92
	5-Nov-2014				43.66	3814.82
	12-Aug-2014				43.32	3815.16
	12-May-2014				43.49	3814.99
	12-Feb-2014				42.30	3816.18
	6-Nov-2013				42.33	3816.15
	6-Aug-2013				41.21	3817.27
	7-May-2013				40.80	3817.68
	7-Feb-2013				40.75	3817.73
	24-Oct-2012				40.82	3817.66
	30-Jul-2012				40.44	3818.04
	23-Apr-2012				40.16	3818.32
	25-Jan-2012				39.70	3818.78
	8-Dec-2011				39.54	3818.94
	19-Jul-2011				38.74	3819.74
	20-Apr-2011				38.14	3820.34
	17-Jan-2011				37.33	3821.15
	14-Sep-2010				37.20	3821.28
	24-Jun-2010				38.05	3820.43
	22-Mar-2010				37.48	3821.00
	8-Dec-2009				37.26	3821.22
	28-Aug-2009				37.10	3821.38
26-May-2009	37.26	3821.22				
11-Dec-2008	36.79	3821.69				
27-Sep-2008	36.77	3821.71				
10-Jun-2008	37.63	3820.85				
6-Feb-2008	37.03	3821.45				
14-Nov-2007	37.00	3821.48				
11-Sep-2007	37.36	3821.12				
340-02	5-Aug-2015	420641.08	1512051.57	3869.76	56.46	3813.30
	6-May-2015				56.10	3813.66
	5-Feb-2015				55.00	3814.76
	5-Nov-2014				55.05	3814.71
	12-Aug-2014				54.65	3815.11
	12-May-2014				54.80	3814.96
	12-Feb-2014				53.80	3815.96
	6-Nov-2013				53.59	3816.17
	6-Aug-2013				52.92	3816.84
	7-May-2013				52.34	3817.42
	7-Feb-2013				52.29	3817.47
	24-Oct-2012				52.26	3817.50
	30-Jul-2012				51.67	3818.09
	23-Apr-2012				51.61	3818.15
	25-Jan-2012				51.31	3818.45
	8-Dec-2011				51.07	3818.69
	19-Jul-2011				50.24	3819.52
	20-Apr-2011				48.86	3820.90
	17-Jan-2011				49.00	3820.76
	14-Sep-2010				48.80	3820.96
	24-Jun-2010				49.67	3820.09
	22-Mar-2010				49.17	3820.59
	8-Dec-2009				49.03	3820.73
	28-Aug-2009				48.79	3820.97
26-May-2009	48.94	3820.82				
11-Dec-2008	48.62	3821.14				
28-Sep-2008	48.48	3821.28				
10-Jun-2008	49.30	3820.46				
5-Feb-2008	48.90	3820.86				
14-Nov-2007	48.84	3820.92				
12-Sep-2007	49.28	3820.48				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Former D&J Dairy (Dominguez 2)						
42-02	5-Aug-2015	419982.45	1511126.19	3844.68575	29.41	3815.28
	7-May-2015				29.77	3814.92
	5-Feb-2015				29.23	3815.46
	10-Nov-2014				28.96	3815.73
	13-Aug-2014				27.44	3817.25
	13-May-2014				28.53	3816.16
	12-Feb-2014				27.97	3816.72
	6-Nov-2013				26.34	3818.35
	14-Aug-2013				26.66	3818.03
	7-May-2013				26.53	3818.16
	7-Feb-2013				26.48	3818.21
	24-Oct-2012				25.91	3818.78
	31-Jul-2012				25.05	3819.64
	23-Apr-2012				25.46	3819.23
	26-Jan-2012				25.71	3818.98
	8-Dec-2011				25.35	3819.34
	19-Jul-2011				23.15	3821.54
	19-Apr-2011				22.80	3821.89
	18-Jan-2011				23.30	3821.39
	15-Sep-2010				22.34	3822.35
	24-Jun-2010				22.84	3821.85
	22-Mar-2010				23.16	3821.53
	8-Dec-2009				22.87	3821.82
	28-Aug-2009				22.43	3822.26
	26-May-2009				22.73	3821.96
	11-Dec-2008				22.91	3821.78
	27-Sep-2008				22.28	3822.41
	10-Jun-2008				23.12	3821.57
6-Feb-2008	23.43	3821.26				
13-Nov-2007	23.00	3821.69				
12-Sep-2007	23.15	3821.54				
42-03	5-Aug-2015	419710.55	1514064.35	3898.46	87.05	3811.41
	7-May-2015				86.30	3812.16
	5-Feb-2015				84.36	3814.10
	10-Nov-2014				84.63	3813.83
	12-Aug-2014				84.73	3813.73
	13-May-2014				85.05	3813.41
	12-Feb-2014				83.40	3815.06
	6-Nov-2013				83.89	3814.57
	6-Aug-2013				82.46	3816.00
	7-May-2013				81.97	3816.49
	7-Feb-2013				82.01	3816.45
	24-Oct-2012				82.70	3815.76
	31-Jul-2012				82.49	3815.97
	23-Apr-2012				81.57	3816.89
	25-Jan-2012				81.18	3817.28
	8-Dec-2011				81.26	3817.20
	19-Jul-2011				81.33	3817.13
	19-Apr-2011				80.21	3818.25
	18-Jan-2011				79.33	3819.13
	15-Sep-2010				79.91	3818.55
	24-Jun-2010				81.12	3817.34
	22-Mar-2010				79.57	3818.89
	8-Dec-2009				79.12	3819.34
	28-Aug-2009				79.26	3819.20
	26-May-2009				79.42	3819.04
	11-Dec-2008				78.89	3819.57
	27-Sep-2008				78.91	3819.55
	10-Jun-2008				79.91	3818.55
6-Feb-2008	79.76	3818.70				
13-Nov-2007	79.15	3819.31				
12-Sep-2007	79.71	3818.75				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-06	5-Aug-2015	420021.61	1511465.15	3850.15	35.52	3814.63
	7-May-2015				35.70	3814.45
	5-Feb-2015				35.08	3815.07
	10-Nov-2014				34.83	3815.32
	13-Aug-2014				33.65	3816.50
	13-May-2014				34.50	3815.65
	12-Feb-2014				33.85	3816.30
	6-Nov-2013				31.68	3818.47
	6-Aug-2013				31.24	3818.91
	7-May-2013				32.71	3817.44
	7-Feb-2013				32.30	3817.85
	24-Oct-2012				31.80	3818.35
	31-Jul-2012				31.15	3819.00
	23-Apr-2012				31.37	3818.78
	25-Jan-2012				31.51	3818.64
	8-Dec-2011				31.19	3818.96
	19-Jul-2011				29.37	3820.78
	19-Apr-2011				29.66	3820.49
	18-Jan-2011				29.18	3820.97
	15-Sep-2010				28.36	3821.79
	24-Jun-2010				28.96	3821.19
	22-Mar-2010				29.04	3821.11
	8-Dec-2009				28.90	3821.25
	28-Aug-2009				28.44	3821.71
	26-May-2009				28.70	3821.45
	11-Dec-2008				28.75	3821.40
	27-Sep-2008				28.27	3821.88
	10-Jun-2008				29.03	3821.12
	6-Feb-2008				29.24	3820.91
	13-Nov-2007				28.87	3821.28
12-Sep-2007	29.03	3821.12				
42-07	5-Aug-2015	420584.8	1513076.66	3891.52	Dry	
	7-May-2015				Dry	
	5-Feb-2015				Dry	
	10-Nov-2014				Dry	
	13-Aug-2014				Dry	
	13-May-2014				Dry	
	12-Feb-2014				Dry	
	6-Nov-2013				Dry	
	6-Aug-2013				Dry	
	7-May-2013				Dry	
	7-Feb-2013				Dry	
	24-Oct-2012				Dry	
	31-Jul-2012				Dry	
	23-Apr-2012				Dry	
	25-Jan-2012				Dry	
	8-Dec-2011				Dry	
	19-Jul-2011				Dry	
	19-Apr-2011				72.19	3819.33
	18-Jan-2011				71.37	3820.15
	15-Sep-2010				71.64	3819.88
	24-Jun-2010				72.24	3819.28
	22-Mar-2010				71.43	3820.09
	8-Dec-2009				71.26	3820.26
	28-Aug-2009				71.26	3820.26
	26-May-2009				71.31	3820.21
	11-Dec-2008				70.87	3820.65
	27-Sep-2008				70.95	3820.57
	10-Jun-2008				71.71	3819.81
	6-Feb-2008				71.00	3820.52
	13-Nov-2007				71.12	3820.40
12-Sep-2007	71.61	3819.91				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-08	5-Aug-2015	419994.93	1511197.91	3846.53	31.45	3815.08
	7-May-2015				31.77	3814.76
	5-Feb-2015				31.23	3815.30
	10-Nov-2014				30.97	3815.56
	13-Aug-2014				29.54	3816.99
	13-May-2014				30.68	3815.85
	12-Feb-2014				29.98	3816.55
	6-Nov-2013				28.26	3818.27
	6-Aug-2013				27.97	3818.56
	7-May-2013				28.69	3817.84
	7-Feb-2013				28.43	3818.10
	24-Oct-2012				27.92	3818.61
	31-Jul-2012				27.11	3819.42
	23-Apr-2012				27.51	3819.02
	26-Jan-2012				27.68	3818.85
	8-Dec-2011				27.33	3819.20
	19-Jul-2011				25.24	3821.29
	19-Apr-2011				25.72	3820.81
	18-Jan-2011				25.28	3821.25
	15-Sep-2010				24.37	3822.16
	24-Jun-2010				24.91	3821.62
	22-Mar-2010				25.15	3821.38
	8-Dec-2009				24.91	3821.62
	28-Aug-2009				24.46	3822.07
	26-May-2009				24.75	3821.78
	11-Dec-2008				24.88	3821.65
27-Sep-2008	24.30	3822.23				
10-Jun-2008	25.13	3821.40				
6-Feb-2008	25.41	3821.12				
13-Nov-2007	25.00	3821.53				
12-Sep-2007	25.13	3821.40				
42-09	5-Aug-2015	419729.17	1512255.76	3865.25	51.34	3813.91
	7-May-2015				51.23	3814.02
	5-Feb-2015				50.51	3814.74
	10-Nov-2014				50.21	3815.04
	12-Aug-2014				49.45	3815.80
	13-May-2014				49.85	3815.40
	12-Feb-2014				49.36	3815.89
	6-Nov-2013				48.23	3817.02
	6-Aug-2013				47.88	3817.37
	7-May-2013				48.04	3817.21
	7-Feb-2013				47.79	3817.46
	24-Oct-2012				47.29	3817.96
	31-Jul-2012				46.98	3818.27
	23-Apr-2012				46.93	3818.32
	25-Jan-2012				46.95	3818.30
	8-Dec-2011				46.76	3818.49
	19-Jul-2011				45.54	3819.71
	19-Apr-2011				45.38	3819.87
	18-Jan-2011				44.87	3820.38
	15-Sep-2010				44.21	3821.04
	24-Jun-2010				44.99	3820.26
	22-Mar-2010				44.72	3820.53
	8-Dec-2009				44.70	3820.55
	28-Aug-2009				44.32	3820.93
	26-May-2009				44.50	3820.75
	11-Dec-2008				44.39	3820.86
27-Sep-2008	44.12	3821.13				
10-Jun-2008	44.77	3820.48				
6-Feb-2008	44.80	3820.45				
13-Nov-2007	44.47	3820.78				
12-Sep-2007	44.73	3820.52				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-10	5-Aug-2015	421426.39	1514460.4	3929.28	117.00	3812.28
	12-May-2015				116.10	3813.18
	6-Feb-2015				114.95	3814.33
	10-Nov-2014				115.52	3813.76
	14-Aug-2014				115.37	3813.91
	13-May-2014				115.15	3814.13
	12-Feb-2014				113.97	3815.31
	6-Nov-2013				115.21	3814.07
	6-Aug-2013				113.03	3816.25
	7-May-2013				112.81	3816.47
	7-Feb-2013				112.29	3816.99
	24-Oct-2012				112.95	3816.33
	31-Jul-2012				112.87	3816.41
	23-Apr-2012				111.87	3817.41
	25-Jan-2012				110.98	3818.30
	8-Dec-2011				111.16	3818.12
	19-Jul-2011				111.21	3818.07
	19-Apr-2011				110.06	3819.22
	18-Jan-2011				109.19	3820.09
	15-Sep-2010				110.24	3819.04
	27-Jun-2010				110.35	3818.93
	22-Mar-2010				109.47	3819.81
	8-Dec-2009				109.41	3819.87
	28-Aug-2009				109.67	3819.61
	26-May-2009				109.53	3819.75
	11-Dec-2008				109.00	3820.28
	27-Sep-2008				109.49	3819.79
11-Jun-2008	109.88	3819.40				
6-Feb-2008	108.98	3820.30				
14-Nov-2007	109.36	3819.92				
12-Sep-2007	109.92	3819.36				
42-11	5-Aug-2015	420693.98	1515270.32	3939.31	127.08	3812.23
	12-May-2015				126.42	3812.89
	6-Feb-2015				125.43	3813.88
	10-Nov-2014				125.97	3813.34
	14-Aug-2014				125.85	3813.46
	13-May-2014				125.27	3814.04
	12-Feb-2014				123.96	3815.35
	6-Nov-2013				125.37	3813.94
	6-Aug-2013				124.06	3815.25
	7-May-2013				123.24	3816.07
	7-Feb-2013				122.91	3816.40
	24-Oct-2012				123.44	3815.87
	31-Jul-2012				123.11	3816.20
	23-Apr-2012				122.09	3817.22
	25-Jan-2012				121.67	3817.64
	8-Dec-2011				121.83	3817.48
	19-Jul-2011				121.73	3817.58
	19-Apr-2011				120.64	3818.67
	18-Jan-2011				120.01	3819.30
	15-Sep-2010				121.02	3818.29
	27-Jun-2010				121.05	3818.26
	22-Mar-2010				120.18	3819.13
	8-Dec-2009				120.21	3819.10
	28-Aug-2009				120.51	3818.80
	26-May-2009				120.35	3818.96
	11-Dec-2008				119.88	3819.43
	27-Sep-2008				120.29	3819.02
11-Jun-2008	120.57	3818.74				
6-Feb-2008	119.84	3819.47				
14-Nov-2007	120.24	3819.07				
12-Sep-2007	120.74	3818.57				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-12	5-Aug-2015	420972.09	1515423.88	3945.83	134.36	3811.47
	7-May-2015				133.05	3812.78
	6-Feb-2015				131.76	3814.07
	10-Nov-2014				132.31	3813.52
	14-Aug-2014				132.13	3813.70
	13-May-2014				131.63	3814.20
	12-Feb-2014				129.89	3815.94
	6-Nov-2013				131.11	3814.72
	6-Aug-2013				130.08	3815.75
	7-May-2013				129.59	3816.24
	7-Feb-2013				129.18	3816.65
	24-Oct-2012				129.74	3816.09
	31-Jul-2012				129.44	3816.39
	23-Apr-2012				128.71	3817.12
	25-Jan-2012				128.06	3817.77
	8-Dec-2011				128.14	3817.69
	19-Jul-2011				128.01	3817.82
	19-Apr-2011				126.37	3819.46
	18-Jan-2011				126.37	3819.46
	15-Sep-2010				127.38	3818.45
	27-Jun-2010				127.43	3818.40
	22-Mar-2010				126.50	3819.33
	8-Dec-2009				126.60	3819.23
	28-Aug-2009				126.84	3818.99
	26-May-2009				126.68	3819.15
	11-Dec-2008				126.18	3819.65
	27-Sep-2008				126.68	3819.15
11-Jun-2008	126.88	3818.95				
6-Feb-2008	126.16	3819.67				
14-Nov-2007	126.55	3819.28				
12-Sep-2007	127.04	3818.79				
42-13	5-Aug-2015	419734.06	1512534.42	3873.10	59.04	3814.06
	7-May-2015				59.37	3813.73
	5-Feb-2015				58.50	3814.60
	10-Nov-2014				57.27	3815.83
	12-Aug-2014				57.56	3815.54
	13-May-2014				57.95	3815.15
	17-Feb-2014				57.38	3815.72
	6-Nov-2013				56.31	3816.79
	6-Aug-2013				56.01	3817.09
	7-May-2013				56.02	3817.08
	7-Feb-2013				55.86	3817.24
	24-Oct-2012				55.40	3817.70
	31-Jul-2012				55.17	3817.93
	23-Apr-2012				54.96	3818.14
	25-Jan-2012				54.99	3818.11
	8-Dec-2011				54.83	3818.27
	19-Jul-2011				53.77	3819.33
	19-Apr-2011				53.50	3819.60
	18-Jan-2011				52.95	3820.15
	15-Sep-2010				52.44	3820.66
	24-Jun-2010				53.21	3819.89
	22-Mar-2010				52.84	3820.26
	8-Dec-2009				52.79	3820.31
	28-Aug-2009				52.45	3820.65
	26-May-2009				52.64	3820.46
	11-Dec-2008				52.49	3820.61
	27-Sep-2008				52.23	3820.87
10-Jun-2008	52.91	3820.19				
6-Feb-2008	52.84	3820.26				
13-Nov-2007	52.56	3820.54				
12-Sep-2007	52.83	3820.27				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Dominguez Dairy						
624-01	5-Aug-2015	418826.21	1512131.46	3843.72	28.20	3815.52
	6-May-2015				28.06	3815.66
	5-Feb-2015				28.95	3814.77
	10-Nov-2014				28.24	3815.48
	12-Aug-2014				26.64	3817.08
	12-May-2014				27.38	3816.34
	12-Feb-2014				28.10	3815.62
	7-Nov-2013				26.34	3817.38
	6-Aug-2013				25.98	3817.74
	7-May-2013				26.21	3817.51
	7-Feb-2013				26.39	3817.33
	24-Oct-2012				25.89	3817.83
	30-Jul-2012				26.12	3817.60
	24-Apr-2012				26.02	3817.70
	25-Jan-2012				25.51	3818.21
	7-Dec-2011				25.19	3818.53
	19-Jul-2011				23.22	3820.50
	19-Apr-2011				23.75	3819.97
	18-Jan-2011				23.53	3820.19
	15-Sep-2010				21.40	3822.32
	24-Jun-2010				22.48	3821.24
	22-Mar-2010				22.83	3820.89
	8-Dec-2009				23.33	3820.39
	28-Aug-2009				22.72	3821.00
	27-May-2009				22.92	3820.80
	11-Dec-2008				23.11	3820.61
	27-Sep-2008				22.62	3821.10
10-Jun-2008	22.72	3821.00				
5-Feb-2008	23.64	3820.08				
13-Nov-2007	22.87	3820.85				
12-Sep-2007	22.94	3820.78				
624-02	5-Aug-2015	417335.25	1512201.42	3835.45	19.45	3816.00
	6-May-2015				19.81	3815.64
	5-Feb-2015				20.95	3814.50
	6-Nov-2014				19.65	3815.80
	12-Aug-2014				19.12	3816.33
	12-May-2014				19.00	3816.45
	12-Feb-2014				20.00	3815.45
	7-Nov-2013				18.60	3816.85
	6-Aug-2013				18.83	3816.62
	7-May-2013				19.01	3816.44
	7-Feb-2013				19.10	3816.35
	24-Oct-2012				18.85	3816.60
	30-Jul-2012				18.59	3816.86
	23-Apr-2012				17.97	3817.48
	24-Jan-2012				17.16	3818.29
	7-Dec-2011				17.30	3818.15
	19-Jul-2011				15.23	3820.22
	19-Apr-2011				15.94	3819.51
	17-Jan-2011				15.66	3819.79
	20-Sep-2010				14.04	3821.41
	24-Jun-2010				13.93	3821.52
	22-Mar-2010				15.24	3820.21
	8-Dec-2009				15.61	3819.84
	28-Aug-2009				14.85	3820.60
	27-May-2009				15.14	3820.31
	11-Dec-2008				15.47	3819.98
	27-Sep-2008				14.97	3820.48
10-Jun-2008	14.87	3820.58				
5-Feb-2008	16.50	3818.95				
13-Nov-2007	15.40	3820.05				
12-Sep-2007	14.94	3820.51				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
624-04	5-Aug-2015	418542.24	1508104.07	3835.69	Dry	
	6-May-2015				Dry	
	5-Feb-2015				Dry	
	6-Nov-2014				Dry	
	12-Aug-2014				Dry	
	12-May-2014				Dry	
	12-Feb-2014				Dry	
	7-Nov-2013				Dry	
	6-Aug-2013				Dry	
	7-May-2013				Dry	
	7-Feb-2013				Dry	
	24-Oct-2012				Dry	
	30-Jul-2012				Dry	
	23-Apr-2012				Dry	
	25-Jan-2012				Dry	
	8-Dec-2011				Dry	
	19-Jul-2011				15.39	3820.30
	19-Apr-2011				13.66	3822.03
	18-Jan-2011				13.99	3821.70
	15-Sep-2010				11.43	3824.26
	24-Jun-2010				13.49	3822.20
	22-Mar-2010				14.83	3820.86
	8-Dec-2009				13.48	3822.21
	28-Aug-2009				12.49	3823.20
	26-May-2009				12.89	3822.80
	11-Dec-2008				12.99	3822.70
	27-Sep-2008				12.31	3823.38
	10-Jun-2008				14.45	3821.24
5-Feb-2008	14.13	3821.56				
13-Nov-2007	13.60	3822.09				
12-Sep-2007	14.83	3820.86				
624-05	5-Aug-2015	419777.52	1509829.65	3835.27	Dry	
	6-May-2015				Dry	
	5-Feb-2015				Dry	
	6-Nov-2014				Dry	
	12-Aug-2014				Dry	
	12-May-2014				Dry	
	12-Feb-2014				Dry	
	7-Nov-2013				Dry	
	6-Aug-2013				Dry	
	7-May-2013				Dry	
	7-Feb-2013				16.72	3818.55
	24-Oct-2012				16.35	3818.92
	30-Jul-2012				15.89	3819.38
	23-Apr-2012				15.90	3819.37
	25-Jan-2012				15.81	3819.46
	7-Dec-2011				15.25	3820.02
	3-Aug-2011				13.38	3821.89
	19-Apr-2011				13.86	3821.41
	18-Jan-2011				13.11	3822.16
	15-Sep-2010				12.01	3823.26
	24-Jun-2010				12.71	3822.56
	22-Mar-2010				13.21	3822.06
	8-Dec-2009				12.54	3822.73
	28-Aug-2009				12.03	3823.24
	26-May-2009				12.58	3822.69
	11-Dec-2008				12.82	3822.45
	27-Sep-2008				11.97	3823.30
	10-Jun-2008				13.19	3822.08
5-Feb-2008	13.44	3821.83				
13-Nov-2007	13.01	3822.26				
12-Sep-2007	13.31	3821.96				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
624-06	5-Aug-2015	418502.42	1513981.08	3868.18	Dry	
	6-May-2015				Dry	
	5-Feb-2015				Dry	
	6-Nov-2014				Dry	
	12-Aug-2014				Dry	
	12-May-2014				Dry	
	12-Feb-2014				Dry	
	7-Nov-2013				Dry	
	6-Aug-2013				Dry	
	7-May-2013				Dry	
	7-Feb-2013				51.84	3816.34
	24-Oct-2012				51.99	3816.19
	30-Jul-2012				51.30	3816.88
	23-Apr-2012				51.83	3816.35
	25-Jan-2012				51.80	3816.38
	13-Dec-2011				50.89	3817.29
	19-Jul-2011				50.43	3817.75
	19-Apr-2011				49.79	3818.39
	18-Jan-2011				49.31	3818.87
	21-Sep-2010				48.73	3819.45
	24-Jun-2010				50.33	3817.85
	22-Mar-2010				49.62	3818.56
	8-Dec-2009				48.96	3819.22
	28-Aug-2009				48.87	3819.31
	26-May-2009				49.14	3819.04
	11-Dec-2008				48.89	3819.29
	27-Sep-2008				48.71	3819.47
10-Jun-2008	49.67	3818.51				
5-Feb-2008	49.11	3819.07				
13-Nov-2007	48.94	3819.24				
12-Sep-2007	49.17	3819.01				
624-07	5-Aug-2015	418012.23	1514707.77	3872.25	55.56	3816.69
	6-May-2015				55.57	3816.68
	5-Feb-2015				55.53	3816.72
	6-Nov-2014				55.57	3816.68
	12-Aug-2014				55.68	3816.57
	12-May-2014				55.61	3816.64
	12-Feb-2014				55.62	3816.63
	7-Nov-2013				Dry	
	6-Aug-2013				Dry	
	7-May-2013				Dry	
	7-Feb-2013				Dry	
	24-Oct-2012				55.58	3816.67
	30-Jul-2012				55.47	3816.78
	23-Apr-2012				Dry	
	25-Jan-2012				55.50	3816.75
	13-Dec-2011				55.46	3816.79
	19-Jul-2011				54.55	3817.70
	19-Apr-2011				54.64	3817.61
	18-Jan-2011				53.91	3818.34
	15-Sep-2010				52.30	3819.95
	24-Jun-2010				55.27	3816.98
	22-Mar-2010				54.21	3818.04
	8-Dec-2009				53.32	3818.93
	28-Aug-2009				53.22	3819.03
	26-May-2009				53.76	3818.49
	11-Dec-2008				53.59	3818.66
	27-Sep-2008				53.35	3818.90
10-Jun-2008	54.34	3817.91				
5-Feb-2008	53.81	3818.44				
13-Nov-2007	53.26	3818.99				
12-Sep-2007	53.03	3819.22				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b	
624-08	5-Aug-2015	421461.78	1507712.04	3838.70		Dry	
	6-May-2015					Dry	
	5-Feb-2015					Dry	
	6-Nov-2014					Dry	
	12-Aug-2014					Dry	
	12-May-2014					Dry	
	12-Feb-2014					Dry	
	7-Nov-2013					Dry	
	6-Aug-2013					Dry	
	7-May-2013					Dry	
	7-Feb-2013					Dry	
	24-Oct-2012					Dry	
	30-Jul-2012					Dry	
	23-Apr-2012					Dry	
	25-Jan-2012					Dry	
	8-Dec-2011					Dry	
	3-Aug-2011					Dry	
	18-Apr-2011					17.72	3820.98
	18-Jan-2011					16.03	3822.67
	14-Sep-2010					14.83	3823.87
	24-Jun-2010					16.44	3822.26
	22-Mar-2010					16.42	3822.28
	8-Dec-2009					16.02	3822.68
	28-Aug-2009					15.20	3823.50
	26-May-2009					15.54	3823.16
	11-Dec-2008					14.96	3823.74
	27-Sep-2008					14.84	3823.86
10-Jun-2008		16.12	3822.58				
5-Feb-2008		15.37	3823.33				
13-Nov-2007		14.71	3823.99				
12-Sep-2007		15.33	3823.37				
Gonzalez Dairy							
177-01	13-Aug-2015	417300.94	1512942.63	3834.27	19.21	3815.06	
	6-May-2015				19.40	3814.87	
	6-Feb-2015				20.14	3814.13	
	10-Nov-2014				19.12	3815.15	
	13-Aug-2014				17.33	3816.94	
	13-May-2014				18.53	3815.74	
	12-Feb-2014				19.05	3815.22	
	7-Nov-2013				17.97	3816.30	
	6-Aug-2013				17.01	3817.26	
	7-May-2013				17.81	3816.46	
	7-Feb-2013				17.77	3816.50	
	25-Oct-2012				15.91	3818.36	
	30-Jul-2012				14.88	3819.39	
	23-Apr-2012				16.32	3817.95	
	26-Jan-2012				16.71	3817.56	
	7-Dec-2011				16.36	3817.91	
	19-Jul-2011				14.64	3819.63	
	19-Apr-2011				14.84	3819.43	
	17-Jan-2011				14.43	3819.84	
	15-Sep-2010				13.30	3820.97	
	23-Jun-2010				14.11	3820.16	
	22-Mar-2010				14.75	3819.52	
	8-Dec-2009				14.68	3819.59	
	28-Aug-2009				14.16	3820.11	
	26-May-2009				14.35	3819.92	
	10-Dec-2008				14.64	3819.63	
	27-Sep-2008				14.21	3820.06	
10-Jun-2008	14.50	3819.77					
6-Feb-2008	15.06	3819.21					
13-Nov-2007	14.53	3819.74					
13-Sep-2007	14.03	3820.24					

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
177-02	5-Aug-2015	416738.21	1513246.51	3834.66	19.91	3814.75
	6-May-2015				20.13	3814.53
	6-Feb-2015				20.75	3813.91
	10-Nov-2014				19.80	3814.86
	13-Aug-2014				18.21	3816.45
	13-May-2014				19.24	3815.42
	12-Feb-2014				19.72	3814.94
	7-Nov-2013				18.66	3816.00
	6-Aug-2013				18.30	3816.36
	7-May-2013				18.69	3815.97
	7-Feb-2013				18.50	3816.16
	25-Oct-2012				17.35	3817.31
	30-Jul-2012				17.80	3816.86
	24-Jan-2012				17.61	3817.05
	7-Dec-2011				16.92	3817.74
	19-Jul-2011				15.41	3819.25
	19-Apr-2011				15.47	3819.19
	17-Jan-2011				14.94	3819.72
	15-Sep-2010				14.23	3820.43
	23-Jun-2010				14.86	3819.80
	22-Mar-2010				15.59	3819.07
	8-Dec-2009				15.29	3819.37
	28-Aug-2009				14.90	3819.76
	26-May-2009				15.09	3819.57
	10-Dec-2008				15.37	3819.29
	27-Sep-2008				14.95	3819.71
10-Jun-2008	15.41	3819.25				
6-Feb-2008	15.74	3818.92				
13-Nov-2007	15.39	3819.27				
13-Sep-2007	14.72	3819.94				
177-03A	5-Aug-2015	416206.71	1513777.17	3835.75	22.05	3813.70
	6-May-2015				22.26	3813.49
	6-Feb-2015				22.30	3813.45
	10-Nov-2014				21.61	3814.14
	13-Aug-2014				20.51	3815.24
	12-May-2014				21.60	3814.15
	12-Feb-2014				21.41	3814.34
	7-Nov-2013				20.29	3815.46
	6-Aug-2013				19.99	3815.76
	7-May-2013				20.53	3815.22
	7-Feb-2013				20.01	3815.74
	25-Oct-2012				19.18	3816.57
	30-Jul-2012				18.24	3817.51
	24-Apr-2012				18.57	3817.18
	24-Jan-2012				18.63	3817.12
13-Dec-2011	18.51	3817.24				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
177-04	5-Aug-2015	416796.99	1513733.28	3840.33	26.25	3814.08
	6-May-2015				26.49	3813.84
	6-Feb-2015				26.58	3813.75
	10-Nov-2014				25.75	3814.58
	13-Aug-2014				24.52	3815.81
	13-May-2014				25.46	3814.87
	12-Feb-2014				25.62	3814.71
	7-Nov-2013				24.75	3815.58
	6-Aug-2013				24.12	3816.21
	7-May-2013				24.67	3815.66
	7-Feb-2013				24.29	3816.04
	25-Oct-2012				23.49	3816.84
	30-Jul-2012				22.68	3817.65
	24-Apr-2012				23.36	3816.97
	24-Jan-2012				22.47	3817.86
	7-Dec-2011				22.97	3817.36
	19-Jul-2011				21.66	3818.67
	19-Apr-2011				21.41	3818.92
	17-Jan-2011				21.22	3819.11
	15-Sep-2010				20.36	3819.97
	23-Jun-2010				21.05	3819.28
	22-Mar-2010				21.71	3818.62
	8-Dec-2009				21.14	3819.19
	28-Aug-2009				20.86	3819.47
	27-May-2009				21.13	3819.20
	10-Dec-2008				21.37	3818.96
	27-Sep-2008				20.86	3819.47
10-Jun-2008	21.63	3818.70				
6-Feb-2008	21.59	3818.74				
13-Nov-2007	21.30	3819.03				
13-Sep-2007	20.84	3819.49				
177-05	5-Aug-2015	417302.42	1514116.55	3852.16	38.65	3813.51
	6-May-2015				38.97	3813.19
	6-Feb-2015				38.48	3813.68
	10-Nov-2014				37.80	3814.36
	13-Aug-2014				36.70	3815.46
	13-May-2014				37.60	3814.56
	12-Feb-2014				37.51	3814.65
	6-Nov-2013				36.95	3815.21
	6-Aug-2013				36.02	3816.14
	7-May-2013				36.74	3815.42
	7-Feb-2013				36.21	3815.95
	25-Oct-2012				35.72	3816.44
	30-Jul-2012				36.39	3815.77
	24-Apr-2012				36.04	3816.12
	24-Jan-2012				35.02	3817.14
	7-Dec-2011				35.19	3816.97
	19-Jul-2011				34.07	3818.09
	19-Apr-2011				32.91	3819.25
	17-Jan-2011				33.72	3818.44
	15-Sep-2010				32.68	3819.48
	23-Jun-2010				33.59	3818.57
	22-Mar-2010				34.10	3818.06
	8-Dec-2009				33.22	3818.94
	28-Aug-2009				32.95	3819.21
	26-May-2009				33.26	3818.90
	10-Dec-2008				33.60	3818.56
	27-Sep-2008				32.95	3819.21
10-Jun-2008	33.96	3818.20				
6-Feb-2008	33.58	3818.58				
13-Nov-2007	33.27	3818.89				
13-Sep-2007	33.12	3819.04				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
177-06	5-Aug-2015	417301.84	1514765.63	3866.02	Dry	
	6-May-2015				Dry	
	6-Feb-2015				Dry	
	5-Nov-2014				Dry	
	13-Aug-2014				Dry	
	12-May-2014				Dry	
	12-Feb-2014				Dry	
	7-Nov-2013				51.65	3814.37
	6-Aug-2013				51.11	3814.91
	7-May-2013				51.50	3814.52
	7-Feb-2013				50.43	3815.59
	25-Oct-2012				50.81	3815.21
	30-Jul-2012				51.09	3814.93
	24-Apr-2012				Dry	
	24-Jan-2012				49.40	3816.62
	7-Dec-2011				49.85	3816.17
	19-Jul-2011				49.31	3816.71
	19-Apr-2011				48.92	3817.10
	17-Jan-2011				48.18	3817.84
	15-Sep-2010				47.64	3818.38
	23-Jun-2010				48.79	3817.23
	22-Mar-2010				49.12	3816.90
	8-Dec-2009				47.60	3818.42
	28-Aug-2009				47.53	3818.49
	26-May-2009				48.03	3817.99
	10-Dec-2008				48.72	3817.30
	27-Sep-2008				47.52	3818.50
	10-Jun-2008				49.31	3816.71
6-Feb-2008	48.00	3818.02				
13-Nov-2007	48.88	3817.14				
13-Sep-2007	48.84	3817.18				
177-07R	5-Aug-2015	415240.93	1515476.47	3858.91	47.67	3811.24
	6-May-2015				47.35	3811.56
	6-Feb-2015				46.70	3812.21
	10-Nov-2014				46.53	3812.38
	13-Aug-2014				45.50	3813.41
	13-May-2014				46.66	3812.25
	12-Feb-2014				45.90	3813.01
	7-Nov-2013				45.50	3813.41
	6-Aug-2013				45.51	3813.40
	7-May-2013				45.22	3813.69
	7-Feb-2013				44.44	3814.47
	25-Oct-2012				43.98	3814.93
	30-Jul-2012				43.60	3815.31
	24-Apr-2012				43.56	3815.35
	24-Jan-2012				43.08	3815.83
	7-Dec-2011				43.46	3815.45
	19-Jul-2011				42.91	3816.00
19-Apr-2011	41.96	3816.95				
177-07	5-Nov-2014	415258.95	1515471.64	3859.96	Plugged and Abandoned	
	17-Jan-2011				Dry	
	15-Sep-2010				Dry	
	23-Jun-2010				Dry	
	22-Mar-2010				Dry	
	8-Dec-2009				Dry	
	10-Dec-2008				Dry	
	27-Sep-2008				Dry	
	10-Jun-2008				Dry	
	6-Feb-2008				Dry	
	13-Nov-2007				Dry	
	13-Sep-2007				Dry	

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
CENTRAL AREA						
Buena Vista Diary II						
74-01	6-Aug-2015	405434.93	1519310.15	3841.01	37.05	3803.96
	6-May-2015				37.38	3803.63
	5-Feb-2015				35.45	3805.56
	5-Nov-2014				36.66	3804.35
	13-Aug-2014				36.71	3804.30
	18-Jun-2014				37.09	3803.92
	12-Feb-2014				35.17	3805.84
	6-Nov-2013				35.77	3805.24
	6-Aug-2013				36.56	3804.45
	7-May-2013				35.02	3805.99
	7-Feb-2013				33.64	3807.37
	25-Oct-2012				34.94	3806.07
	31-Jul-2012				34.53	3806.48
	24-Apr-2012				34.27	3806.74
	24-Jan-2012				33.36	3807.65
	8-Dec-2011				33.63	3807.38
	19-Jul-2011				33.31	3807.70
	20-Apr-2011				31.97	3809.04
	21-Jan-2011				32.23	3808.78
	16-Sep-2010				31.97	3809.04
	23-Jun-2010				32.08	3808.93
	22-Mar-2010				32.07	3808.94
	8-Dec-2009				31.45	3809.56
	28-Aug-2009				32.20	3808.81
	26-May-2009				32.20	3808.81
	10-Dec-2008				31.31	3809.70
	27-Sep-2008				31.64	3809.37
	10-Jun-2008				32.00	3809.01
5-Feb-2008	31.66	3809.35				
14-Nov-2007	31.21	3809.80				
12-Sep-2007	31.63	3809.38				
Buena Vista Diary II Continued						
74-02	6-Aug-2015	404574.08	1519035.52	3820.58	17.89	3802.69
	6-May-2015				18.11	3802.47
	5-Feb-2015				16.00	3804.58
	5-Nov-2014				17.16	3803.42
	13-Aug-2014				17.50	3803.08
	18-Jun-2014				18.13	3802.45
	12-Feb-2014				15.75	3804.83
	6-Nov-2013				17.07	3803.51
	6-Aug-2013				17.55	3803.03
	7-May-2013				16.22	3804.36
	7-Feb-2013				15.84	3804.74
	25-Oct-2012				16.02	3804.56
	31-Jul-2012				15.09	3805.49
	24-Apr-2012				14.30	3806.28
	24-Jan-2012				13.96	3806.62
	8-Dec-2011				15.49	3805.09
	19-Jul-2011				14.19	3806.39
	20-Apr-2011				12.45	3808.13
	17-Jan-2011				12.53	3808.05
	16-Sep-2010				12.45	3808.13
	23-Jun-2010				12.87	3807.71
	22-Mar-2010				12.72	3807.86
	8-Dec-2009				11.88	3808.70
	28-Aug-2009				12.53	3808.05
	26-May-2009				12.70	3807.88
	10-Dec-2008				11.65	3808.93
	27-Sep-2008				12.03	3808.55
	10-Jun-2008				12.39	3808.19
5-Feb-2008	11.94	3808.64				
14-Nov-2007	11.52	3809.06				
12-Sep-2007	12.33	3808.25				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
74-03	5-Aug-2015	407163.61	1516711.72	3823.36	16.16	3807.20
	6-May-2015				16.29	3807.07
	5-Feb-2015				15.75	3807.61
	5-Nov-2014				15.67	3807.69
	13-Aug-2014				16.07	3807.29
	18-Jun-2014				16.73	3806.63
	12-Feb-2014				15.63	3807.73
	6-Nov-2013				15.53	3807.83
	6-Aug-2013				15.43	3807.93
	7-May-2013				14.85	3808.51
	7-Feb-2013				13.93	3809.43
	25-Oct-2012				14.22	3809.14
	31-Jul-2012				14.17	3809.19
	24-Apr-2012				13.99	3809.37
	24-Jan-2012				13.60	3809.76
	8-Dec-2011				13.70	3809.66
	19-Jul-2011				13.17	3810.19
	20-Apr-2011				12.11	3811.25
	17-Jan-2011				12.63	3810.73
	16-Sep-2010				12.41	3810.95
	23-Jun-2010				12.72	3810.64
	22-Mar-2010				12.94	3810.42
	8-Dec-2009				12.88	3810.48
	28-Aug-2009				12.63	3810.73
	26-May-2009				12.94	3810.42
	10-Dec-2008				13.00	3810.36
	27-Sep-2008				12.94	3810.42
10-Jun-2008	12.66	3810.7				
5-Feb-2008	12.94	3810.42				
14-Nov-2007	12.77	3810.59				
12-Sep-2007	12.53	3810.83				
74-04	6-Aug-2015	405488.65	1519864.48	3853.17	49.21	3803.96
	6-May-2015				49.44	3803.73
	5-Feb-2015				47.86	3805.31
	5-Nov-2014				49.58	3803.59
	13-Aug-2014				49.12	3804.05
	18-Jun-2014				49.35	3803.82
	12-Feb-2014				47.75	3805.42
	6-Nov-2013				48.06	3805.11
	6-Aug-2013				48.55	3804.62
	7-May-2013				47.45	3805.72
	7-Feb-2013				46.31	3806.86
	25-Oct-2012				46.96	3806.21
	31-Jul-2012				47.16	3806.01
	24-Apr-2012				47.05	3806.12
	24-Jan-2012				45.78	3807.39
	8-Dec-2011				45.98	3807.19
	19-Jul-2011				45.61	3807.56
	20-Apr-2011				44.19	3808.98
	17-Jan-2011				44.02	3809.15
	16-Sep-2010				44.19	3808.98
	23-Jun-2010				44.26	3808.91
	22-Mar-2010				44.25	3808.92
	8-Dec-2009				43.86	3809.31
	28-Aug-2009				44.49	3808.68
	26-May-2009				44.56	3808.61
	10-Dec-2008				43.70	3809.47
	27-Sep-2008				43.99	3809.18
10-Jun-2008	44.40	3808.77				
5-Feb-2008	43.41	3809.76				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
74-05	6-Aug-2015	404747.71	1519885.3	3845.35	42.35	3803.00
	6-May-2015				41.63	3803.72
	5-Feb-2015				40.78	3804.57
	5-Nov-2014				41.99	3803.36
	13-Aug-2014				42.28	3803.07
	18-Jun-2014				42.73	3802.62
	12-Feb-2014				40.76	3804.59
	6-Nov-2013				41.17	3804.18
	6-Aug-2013				41.80	3803.55
	7-May-2013				40.98	3804.37
	7-Feb-2013				39.40	3805.95
	25-Oct-2012				40.33	3805.02
	31-Jul-2012				40.19	3805.16
	24-Apr-2012				40.05	3805.30
	24-Jan-2012				38.78	3806.57
	8-Dec-2011				39.18	3806.17
	19-Jul-2011				38.84	3806.51
	20-Apr-2011				37.99	3807.36
	17-Jan-2011				36.96	3808.39
	16-Sep-2010				37.00	3808.35
	23-Jun-2010				37.44	3807.91
	22-Mar-2010				37.23	3808.12
	8-Dec-2009				36.74	3808.61
	28-Aug-2009				37.32	3808.03
26-May-2009	37.47	3807.88				
10-Dec-2008	36.53	3808.82				
27-Sep-2008	36.88	3808.47				
10-Jun-2008	37.39	3807.96				
5-Feb-2008	36.77	3808.58				
River Valley Dairy						
167-01	6-Aug-2015	402518.37	1518459.71	3818.94	17.91	3801.03
	6-May-2015				18.04	3800.90
	5-Feb-2015				16.18	3802.76
	10-Nov-2014				17.86	3801.08
	13-Aug-2014				18.49	3800.45
	18-Jun-2014				19.77	3799.17
	12-Feb-2014				16.81	3802.13
	6-Nov-2013				18.82	3800.12
	6-Aug-2013				19.11	3799.83
	7-May-2013				18.43	3800.51
	7-Feb-2013				17.02	3801.92
	25-Oct-2012				17.23	3801.71
	31-Jul-2012				16.91	3802.03
	24-Apr-2012				16.01	3802.93
	24-Jan-2012				14.60	3804.34
	8-Dec-2011				15.06	3803.88
	19-Jul-2011				16.81	3802.13
	25-Apr-2011				14.51	3804.43
	17-Jan-2011				12.33	3806.61
	15-Sep-2010				12.19	3806.75
	25-Jun-2010				13.31	3805.63
	22-Mar-2010				13.46	3805.48
	8-Dec-2009				12.11	3806.83
	28-Aug-2009				11.99	3806.95
26-May-2009	12.43	3806.51				
10-Dec-2008	12.13	3806.81				
27-Sep-2008	12.09	3806.85				
10-Jun-2008	12.95	3805.99				
5-Feb-2008	12.62	3806.32				
14-Nov-2007	12.68	3806.26				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
167-01A	6-Aug-2015	402518.18	1518936.72	3818.88	18.10	3800.78
	6-May-2015				18.84	3800.04
	5-Feb-2015				16.32	3802.56
	5-Nov-2014				17.35	3801.53
	13-Aug-2014				18.34	3800.54
	18-Jun-2014				19.65	3799.23
	12-Feb-2014				16.79	3802.09
	6-Nov-2013				18.19	3800.69
	6-Aug-2013				18.54	3800.34
	7-May-2013				18.22	3800.66
	7-Feb-2013				17.45	3801.43
	25-Oct-2012				17.38	3801.50
	31-Jul-2012				17.08	3801.80
	24-Apr-2012				16.29	3802.59
	24-Jan-2012				14.59	3804.29
	13-Dec-2011				15.13	3803.75
	19-Jul-2011				16.04	3802.84
	25-Apr-2011				14.13	3804.75
	17-Jan-2011				12.38	3806.50
	15-Sep-2010				12.21	3806.67
	22-Jun-2010				13.74	3805.14
	22-Mar-2010				13.22	3805.66
	8-Dec-2009				12.17	3806.71
	28-Aug-2009				12.23	3806.65
26-May-2009	12.62	3806.26				
10-Dec-2008	12.03	3806.85				
27-Sep-2008	12.18	3806.70				
10-Jun-2008	13.16	3805.72				
167-02	6-Aug-2015	402498.3	1519354.81	3819.64	18.98	3800.66
	12-May-2015				20.88	3798.76
	6-May-2015				21.50	3798.14
	5-Feb-2015				17.25	3802.39
	10-Nov-2014				Dry	
	13-Aug-2014				19.35	3800.29
	18-Jun-2014				Dry	
	12-Feb-2014				17.94	3801.70
	6-Nov-2013				Dry	
	6-Aug-2013				Dry	
	7-May-2013				Dry	
	7-Feb-2013				Dry	
	25-Oct-2012				Dry	
	31-Jul-2012				Dry	
	24-Apr-2012				Dry	
	24-Jan-2012				15.84	3803.80
	8-Dec-2011				15.92	3803.72
	19-Jul-2011				Dry	
	25-Apr-2011				13.48	3806.16
	17-Jan-2011				13.49	3806.15
	15-Sep-2010				13.68	3805.96
	22-Jun-2010				15.23	3804.41
	22-Mar-2010				14.69	3804.95
	8-Dec-2009				13.32	3806.32
	28-Aug-2009				13.65	3805.99
	26-May-2009				13.86	3805.78
	10-Dec-2008				13.43	3806.21
	27-Sep-2008				13.71	3805.93
10-Jun-2008	14.70	3804.94				
5-Feb-2008	13.54	3806.10				
14-Nov-2007	13.65	3805.99				
11-Sep-2007	13.98	3805.66				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
167-03	6-Aug-2015	402981.73	1519415.73	3825.66	24.52	3801.14
	6-May-2015				24.58	3801.08
	5-Feb-2015				22.70	3802.96
	10-Nov-2014				24.45	3801.21
	13-Aug-2014				24.81	3800.85
	18-Jun-2014				25.84	3799.82
	12-Feb-2014				23.04	3802.62
	6-Nov-2013				24.79	3800.87
	6-Aug-2013				25.27	3800.39
	7-May-2013				22.99	3802.67
	7-Feb-2013				22.06	3803.60
	25-Oct-2012				23.49	3802.17
	31-Jul-2012				22.63	3803.03
	24-Apr-2012				21.97	3803.69
	24-Jan-2012				20.94	3804.72
	8-Dec-2011				21.73	3803.93
	19-Jul-2011				23.22	3802.44
	25-Apr-2011				18.78	3806.88
	17-Jan-2011				18.86	3806.80
	15-Sep-2010				18.81	3806.85
	22-Jun-2010				19.90	3805.76
	22-Mar-2010				19.71	3805.95
	8-Dec-2009				18.62	3807.04
	28-Aug-2009				18.90	3806.76
	27-May-2009				19.26	3806.40
	10-Dec-2008				18.41	3807.25
	27-Sep-2008				18.72	3806.94
10-Jun-2008	19.82	3805.84				
5-Feb-2008	18.64	3807.02				
14-Nov-2007	18.55	3807.11				
11-Sep-2007	19.02	3806.64				
167-04	6-Aug-2015	402032.19	1519884.6	3827.60	26.73	3800.87
	6-May-2015				27.07	3800.53
	5-Feb-2015				25.22	3802.38
	10-Nov-2014				26.18	3801.42
	13-Aug-2014				26.91	3800.69
	18-Jun-2014				27.94	3799.66
	12-Feb-2014				25.42	3802.18
	6-Nov-2013				26.38	3801.22
	6-Aug-2013				26.70	3800.90
	7-May-2013				25.59	3802.01
	7-Feb-2013				24.84	3802.76
	25-Oct-2012				25.60	3802.00
	31-Jul-2012				25.19	3802.41
	24-Apr-2012				25.05	3802.55
	24-Jan-2012				23.36	3804.24
	8-Dec-2011				24.01	3803.59
	19-Jul-2011				24.36	3803.24
	25-Apr-2011				21.23	3806.37
	17-Jan-2011				21.18	3806.42
	15-Sep-2010				Well Damaged	
	22-Jun-2010					
	22-Mar-2010				Well Damaged	
	8-Dec-2009					
	28-Aug-2009				21.57	3806.03
	26-May-2009				21.60	3806.00
	10-Dec-2008				21.01	3806.59
	27-Sep-2008				21.01	3806.59
10-Jun-2008	22.20	3805.40				
5-Feb-2008	21.51	3806.09				
14-Nov-2007	21.44	3806.16				
11-Sep-2007	21.68	3805.92				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
167-05	6-Aug-2015	397947.44	1520446.03	3815.44	16.12	3799.32
	6-May-2015				17.98	3797.46
	5-Feb-2015				16.13	3799.31
	10-Nov-2014				16.84	3798.60
	13-Aug-2014				15.94	3799.50
	18-Jun-2014				17.19	3798.25
	12-Feb-2014				15.73	3799.71
	6-Nov-2013				15.75	3799.69
	6-Aug-2013				16.03	3799.41
	7-May-2013				15.42	3800.02
	7-Feb-2013				14.96	3800.48
	25-Oct-2012				15.74	3799.70
	31-Jul-2012				15.60	3799.84
	24-Apr-2012				14.99	3800.45
	30-Jan-2012				13.86	3801.58
	13-Dec-2011				14.10	3801.34
	19-Jul-2011				13.69	3801.75
	19-Apr-2011				12.97	3802.47
	17-Jan-2011				11.90	3803.54
	15-Sep-2010				11.52	3803.92
	25-Jun-2010				12.43	3803.01
	22-Mar-2010				12.22	3803.22
	8-Dec-2009				11.96	3803.48
	28-Aug-2009				11.63	3803.81
	26-May-2009				11.45	3803.99
	10-Dec-2008				11.54	3803.90
	27-Sep-2008				11.20	3804.24
10-Jun-2008	12.65	3802.79				
5-Feb-2008	12.36	3803.08				
14-Nov-2007	12.77	3802.67				
11-Sep-2007	12.91	3802.53				
167-06	6-Aug-2015	404479.35	1519603.88	3834.84	32.13	3802.71
	6-May-2015				32.36	3802.48
	5-Feb-2015				30.44	3804.40
	10-Nov-2014				31.33	3803.51
	13-Aug-2014				32.08	3802.76
	18-Jun-2014				32.63	3802.21
	12-Feb-2014				30.42	3804.42
	6-Nov-2013				30.95	3803.89
	6-Aug-2013				31.73	3803.11
	7-May-2013				30.83	3804.01
	7-Feb-2013				30.00	3804.84
	25-Oct-2012				30.12	3804.72
	31-Jul-2012				30.29	3804.55
	24-Apr-2012				29.84	3805.00
	24-Jan-2012				28.48	3806.36
	8-Dec-2011				29.10	3805.74
	19-Jul-2011				28.75	3806.09
	25-Apr-2011				26.71	3808.13
	17-Jan-2011				26.73	3808.11
	15-Sep-2010				26.70	3808.14
	22-Jun-2010				27.17	3807.67
	22-Mar-2010				27.02	3807.82
	8-Dec-2009				26.40	3808.44
	28-Aug-2009				26.96	3807.88
	26-May-2009				27.15	3807.69
	10-Dec-2008				26.18	3808.66
	27-Sep-2008				26.54	3808.30
10-Jun-2008	27.10	3807.74				
5-Feb-2008	26.46	3808.38				
14-Nov-2007	26.60	3808.24				
11-Sep-2007	26.74	3808.10				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
167-07	6-Aug-2015	402562.23	1518480.34	3819.08	18.28	3800.80
	6-May-2015				18.80	3800.28
	5-Feb-2015				16.26	3802.82
	10-Nov-2014				17.11	3801.97
	13-Aug-2014				18.47	3800.61
	18-Jun-2014				19.76	3799.32
	12-Feb-2014				16.88	3802.20
	6-Nov-2013				17.82	3801.26
	6-Aug-2013				18.25	3800.83
	7-May-2013				16.14	3802.94
	7-Feb-2013				15.84	3803.24
	25-Oct-2012				16.30	3802.78
	31-Jul-2012				16.09	3802.99
	24-Apr-2012				15.84	3803.24
	24-Jan-2012				14.54	3804.54
	8-Dec-2011				15.45	3803.63
	25-Jul-2011				15.39	3803.69
	25-Apr-2011				14.95	3804.13
	17-Jan-2011				12.39	3806.69
	15-Sep-2010				11.98	3807.10
	22-Jun-2010				12.94	3806.14
	22-Mar-2010				13.03	3806.05
	8-Dec-2009				12.18	3806.90
	28-Aug-2009				12.06	3807.02
26-May-2009	12.56	3806.52				
10-Dec-2008	12.24	3806.84				
27-Sep-2008	12.20	3806.88				
10-Jun-2008	13.00	3806.08				
167-08	6-Aug-2015	399352.96	1519889.65	3817.96	18.40	3799.56
	6-May-2015				19.56	3798.40
	5-Feb-2015				17.78	3800.18
	5-Nov-2014				18.31	3799.65
	13-Aug-2014				18.46	3799.50
	18-Jun-2014				19.71	3798.25
	12-Feb-2014				17.65	3800.31
	6-Nov-2013				17.68	3800.28
	6-Aug-2013				18.07	3799.89
	7-May-2013				16.99	3800.97
	7-Feb-2013				16.73	3801.23
	25-Oct-2012				17.72	3800.24
	31-Jul-2012				17.60	3800.36
	24-Apr-2012				16.71	3801.25
	24-Jan-2012				15.25	3802.71
	8-Dec-2011				15.52	3802.44
	19-Jul-2011				15.59	3802.37
	19-Apr-2011				13.95	3804.01
	17-Jan-2011				13.42	3804.54
	15-Sep-2010				12.92	3805.04
	25-Jun-2010				14.69	3803.27
	22-Mar-2010				13.73	3804.23
	8-Dec-2009				13.46	3804.50
	28-Aug-2009				13.23	3804.73
26-May-2009	12.87	3805.09				
10-Dec-2008	13.42	3804.54				
27-Sep-2008	NM	NM				
10-Jun-2008	14.02	3803.94				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
167-09	6-Aug-2015	398473.95	1519259.34	3817.00	16.30	3800.70
	6-May-2015				17.96	3799.04
	5-Feb-2015				16.81	3800.19
	5-Nov-2014				16.78	3800.22
	13-Aug-2014				16.92	3800.08
	18-Jun-2014				17.69	3799.31
	12-Feb-2014				16.38	3800.62
	6-Nov-2013				15.91	3801.09
	6-Aug-2013				16.22	3800.78
	7-May-2013				16.09	3800.91
	7-Feb-2013				15.36	3801.64
	25-Oct-2012				15.31	3801.69
	31-Jul-2012				15.04	3801.96
	24-Apr-2012				15.12	3801.88
	24-Jan-2012				14.60	3802.40
	8-Dec-2011				14.42	3802.58
	19-Jul-2011				13.17	3803.83
	19-Apr-2011				12.78	3804.22
	17-Jan-2011				12.70	3804.30
	15-Sep-2010				11.95	3805.05
	25-Jun-2010				13.01	3803.99
	22-Mar-2010				12.88	3804.12
	8-Dec-2009				12.82	3804.18
	28-Aug-2009				12.43	3804.57
26-May-2009	12.44	3804.56				
10-Dec-2008	12.78	3804.22				
27-Sep-2008	12.07	3804.93				
10-Jun-2008	12.94	3804.06				
Big Sky Dairy						
833-01	17-Aug-2015	399617.23	1521136.33	3839.55	Dry	
	6-May-2015				Dry	
	6-Feb-2015				Dry	
	5-Nov-2014				Dry	
	12-Aug-2014				Dry	
	18-Jun-2014				Dry	
	12-Feb-2014				Dry	
	6-Nov-2013				Dry	
	6-Aug-2013				Dry	
	8-May-2013				Dry	
	7-Feb-2013				Dry	
	25-Oct-2012				Dry	
	1-Aug-2012				Dry	
	24-Apr-2012				Dry	
	24-Jan-2012				Dry	
	8-Dec-2011				Dry	
	18-Jul-2011				Dry	
	19-Apr-2001				35.44	3804.11
	17-Jan-2011				35.20	3804.35
	14-Sep-2010				34.76	3804.79
	22-Jun-2010				36.08	3803.47
	22-Mar-2010				35.49	3804.06
	8-Dec-2009				35.25	3804.30
	28-Aug-2009				35.25	3804.30
	26-May-2009				34.69	3804.86
	10-Dec-2008				34.99	3804.56
	28-Sep-2008				34.58	3804.97
	10-Jun-2008				36.13	3803.42
5-Feb-2008	35.51	3804.04				
14-Nov-2007	35.70	3803.85				
12-Sep-2007	35.79	3803.76				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-02	6-Aug-2015	401200.32	1520639.92	3836.04	35.90	3800.14
	6-May-2015				37.04	3799.00
	6-Feb-2015				35.20	3800.84
	5-Nov-2014				35.48	3800.56
	12-Aug-2014				36.02	3800.02
	18-Jun-2014				36.72	3799.32
	12-Feb-2014				34.61	3801.43
	6-Nov-2013				34.80	3801.24
	6-Aug-2013				35.44	3800.60
	8-May-2013				35.13	3800.91
	7-Feb-2013				33.42	3802.62
	25-Oct-2012				34.61	3801.43
	1-Aug-2012				34.90	3801.14
	24-Apr-2012				33.49	3802.55
	24-Jan-2012				34.01	3802.03
	8-Dec-2011				33.08	3802.96
	18-Jul-2011				32.92	3803.12
	19-Apr-2011				31.92	3804.12
	17-Jan-2011				30.43	3805.61
	14-Sep-2010				30.34	3805.70
	22-Jun-2010				31.37	3804.67
	22-Mar-2010				30.87	3805.17
	8-Dec-2009				30.40	3805.64
	28-Aug-2009				30.58	3805.46
	26-May-2009				30.24	3805.80
	10-Dec-2008				30.13	3805.91
	28-Sep-2008				29.80	3806.24
	10-Jun-2008				31.21	3804.83
5-Feb-2008	30.63	3805.41				
14-Nov-2007	30.60	3805.44				
12-Sep-2007	30.63	3805.41				
833-03	17-Aug-2015	401392.09	1521955.23	3867.06	Dry	
	6-May-2015				Dry	
	6-Feb-2015				Dry	
	5-Nov-2014				Dry	
	12-Aug-2014				Dry	
	18-Jun-2014				Dry	
	12-Feb-2014				Dry	
	6-Nov-2013				Dry	
	6-Aug-2013				Dry	
	8-May-2013				Dry	
	7-Feb-2013				Dry	
	25-Oct-2012				Dry	
	1-Aug-2012				Dry	
	24-Apr-2012				Dry	
	24-Jan-2012				Dry	
	8-Dec-2011				Dry	
	18-Jul-2011				Dry	
	19-Apr-2011				61.92	3805.14
	17-Jan-2011				61.02	3806.04
	14-Sep-2010				60.91	3806.15
	22-Jun-2010				61.90	3805.16
	22-Mar-2010				61.41	3805.65
	8-Dec-2009				61.16	3805.90
	28-Aug-2009				61.50	3805.56
	26-May-2009				61.26	3805.80
	10-Dec-2008				60.76	3806.30
	28-Sep-2008				61.59	3805.47
	10-Jun-2008				61.83	3805.23
5-Feb-2008	61.11	3805.95				
14-Nov-2007	61.08	3805.98				
12-Sep-2007	61.11	3805.95				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-04	6-Aug-2015	402898.52	1520659.33	3845.79	44.49	3801.30
	6-May-2015				44.98	3800.81
	6-Feb-2015				43.67	3802.12
	5-Nov-2014				43.98	3801.81
	12-Aug-2014				44.62	3801.17
	18-Jun-2014				45.07	3800.72
	12-Feb-2014				43.19	3802.60
	6-Nov-2013				43.59	3802.20
	6-Aug-2013				44.00	3801.79
	8-May-2013				43.63	3802.16
	7-Feb-2013				41.70	3804.09
	25-Oct-2012				41.83	3803.96
	1-Aug-2012				42.70	3803.09
	24-Apr-2012				42.32	3803.47
	24-Jan-2012				40.87	3804.92
	8-Dec-2011				41.55	3804.24
	18-Jul-2011				41.05	3804.74
	19-Apr-2011				39.24	3806.55
	17-Jan-2011				38.80	3806.99
	14-Sep-2010				38.84	3806.95
	22-Jun-2010				39.19	3806.60
	22-Mar-2010				39.13	3806.66
	8-Dec-2009				38.85	3806.94
	28-Aug-2009				39.24	3806.55
	26-May-2009				39.31	3806.48
	10-Dec-2008				38.41	3807.38
	28-Sep-2008				38.42	3807.37
10-Jun-2008	39.46	3806.33				
5-Feb-2008	38.61	3807.18				
14-Nov-2007	38.54	3807.25				
12-Sep-2007	38.96	3806.83				
833-05	6-Aug-2015	399712.39	1522374.73	3865.51	66.74	3798.77
	6-May-2015				67.03	3798.48
	6-Feb-2015				65.76	3799.75
	10-Nov-2014				66.10	3799.41
	12-Aug-2014				66.71	3798.80
	18-Jun-2014				66.83	3798.68
	12-Feb-2014				65.32	3800.19
	6-Nov-2013				65.29	3800.22
	6-Aug-2013				65.80	3799.71
	8-May-2013				65.19	3800.32
	7-Feb-2013				64.21	3801.30
	25-Oct-2012				64.60	3800.91
	1-Aug-2012				65.01	3800.50
	24-Apr-2012				64.40	3801.11
	24-Jan-2012				63.60	3801.91
	8-Dec-2011				63.63	3801.88
	18-Jul-2011				63.23	3802.28
	19-Apr-2011				62.33	3803.18
	24-Jan-2011				61.90	3803.61
	14-Sep-2010				61.05	3804.46
	22-Jun-2010				61.97	3803.54
	22-Mar-2010				61.52	3803.99
	8-Dec-2009				61.39	3804.12
	28-Aug-2009				61.52	3803.99
	26-May-2009				61.14	3804.37
	10-Dec-2008				61.07	3804.44
	28-Sep-2008				60.99	3804.52
10-Jun-2008	62.28	3803.23				
5-Feb-2008	61.52	3803.99				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-06	6-Aug-2015	402219.48	1522652.04	3878.20	76.49	3801.71
	6-May-2015				76.57	3801.63
	6-Feb-2015				75.79	3802.41
	5-Nov-2014				75.96	3802.24
	12-Aug-2014				76.20	3802.00
	18-Jun-2014				76.18	3802.02
	12-Feb-2014				75.43	3802.77
	6-Nov-2013				75.12	3803.08
	6-Aug-2013				75.47	3802.73
	8-May-2013				74.67	3803.53
	7-Feb-2013				73.80	3804.40
	25-Oct-2012				73.93	3804.27
	1-Aug-2012				74.06	3804.14
	24-Apr-2012				73.97	3804.23
	24-Jan-2012				73.50	3804.70
	8-Dec-2011				73.41	3804.79
	18-Jul-2011				72.93	3805.27
	25-Apr-2001				72.16	3806.04
	17-Jan-2011				71.43	3806.77
	14-Sep-2010				72.05	3806.15
	22-Jun-2010				72.08	3806.12
	22-Mar-2010				72.00	3806.20
	8-Dec-2009				71.92	3806.28
	28-Aug-2009				72.22	3805.98
	26-May-2009				72.02	3806.18
10-Dec-2008	70.95	3807.25				
28-Sep-2008	70.87	3807.33				
10-Jun-2008	71.78	3806.42				
5-Feb-2008	71.47	3806.73				
833-07	6-Aug-2015	399298.8	1522082.75	3860.70	62.28	3798.42
	6-May-2015				62.87	3797.83
	6-Feb-2015				61.34	3799.36
	10-Nov-2014				61.75	3798.95
	12-Aug-2014				62.28	3798.42
	18-Jun-2014				62.58	3798.12
	12-Feb-2014				60.88	3799.82
	6-Nov-2013				61.12	3799.58
	6-Aug-2013				61.45	3799.25
	8-May-2013				60.76	3799.94
	7-Feb-2013				59.82	3800.88
	25-Oct-2012				60.22	3800.48
	1-Aug-2012				60.63	3800.07
	24-Apr-2012				60.25	3800.45
	24-Jan-2012				59.71	3800.99
	8-Dec-2011				59.26	3801.44
	18-Jul-2011				58.99	3801.71
	19-Apr-2011				57.95	3802.75
	17-Jan-2011				56.87	3803.83
	14-Sep-2010				56.61	3804.09
	22-Jun-2010				57.55	3803.15
	22-Mar-2010				57.05	3803.65
	8-Dec-2009				56.94	3803.76
	28-Aug-2009				57.02	3803.68
	26-May-2009				56.64	3804.06
10-Dec-2008	56.58	3804.12				
28-Sep-2008	58.53	3802.17				
10-Jun-2008	57.88	3802.82				
5-Feb-2008	57.11	3803.59				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-08	6-Aug-2015	400535.64	1521938.23	3861.76	61.98	3799.78
	6-May-2015				62.22	3799.54
	6-Feb-2015				61.04	3800.72
	10-Nov-2014				61.22	3800.54
	12-Aug-2014				61.97	3799.79
	18-Jun-2014				62.07	3799.69
	12-Feb-2014				60.68	3801.08
	6-Nov-2013				60.79	3800.97
	6-Aug-2013				61.07	3800.69
	8-May-2013				60.60	3801.16
	7-Feb-2013				59.43	3802.33
	25-Oct-2012				59.75	3802.01
	1-Aug-2012				60.24	3801.52
	24-Apr-2012				59.81	3801.95
	24-Jan-2012				58.86	3802.90
	8-Dec-2011				58.96	3802.80
	18-Jul-2011				58.36	3803.40
	25-Apr-2011				56.54	3805.22
	17-Jan-2011				56.55	3805.21
	14-Sep-2010				56.34	3805.42
	22-Jun-2010				57.32	3804.44
	22-Mar-2010				56.83	3804.93
	8-Dec-2009				56.63	3805.13
	28-Aug-2009				56.83	3804.93
	26-May-2009				56.41	3805.35
10-Dec-2008	56.34	3805.42				
28-Sep-2008	56.07	3805.69				
10-Jun-2008	57.46	3804.30				
5-Feb-2008	56.78	3804.98				
833-09	6-Aug-2015	398280.67	1520918.52	3826.27	27.74	3798.53
	6-May-2015				28.86	3797.41
	6-Feb-2015				27.20	3799.07
	5-Nov-2014				27.74	3798.53
	12-Aug-2014				27.71	3798.56
	18-Jun-2014				28.71	3797.56
	12-Feb-2014				26.82	3799.45
	6-Nov-2013				27.49	3798.78
	6-Aug-2013				27.76	3798.51
	8-May-2013				27.31	3798.96
	7-Feb-2013				26.26	3800.01
	25-Oct-2012				26.30	3799.97
	1-Aug-2012				27.21	3799.06
	24-Apr-2012				26.44	3799.83
	24-Jan-2012				25.42	3800.85
	8-Dec-2011				25.08	3801.19
	18-Jul-2011				25.41	3800.86
	25-Apr-2011				22.86	3803.41
	17-Jan-2011				22.87	3803.40
	15-Sep-2010				22.56	3803.71
	22-Jun-2010				23.99	3802.28
	22-Mar-2010				23.20	3803.07
	8-Dec-2009				22.87	3803.40
	28-Aug-2009				22.67	3803.60
	26-May-2009				22.40	3803.87
10-Dec-2008	22.65	3803.62				
28-Sep-2008	22.18	3804.09				
10-Jun-2008	23.71	3802.56				
5-Feb-2008	23.23	3803.04				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-10	6-Aug-2015	396715.89	1520283.6	3820.76	20.95	3799.81
	6-May-2015				23.58	3797.18
	6-Feb-2015				22.24	3798.52
	10-Nov-2014				22.95	3797.81
	12-Aug-2014				21.05	3799.71
	18-Jun-2014				22.37	3798.39
	12-Feb-2014				21.61	3799.15
	6-Nov-2013				21.76	3799.00
	6-Aug-2013				21.95	3798.81
	8-May-2013				22.26	3798.50
	7-Feb-2013				21.12	3799.64
	25-Oct-2012				20.93	3799.83
	1-Aug-2012				21.01	3799.75
	24-Apr-2012				21.11	3799.65
	24-Jan-2012				20.14	3800.62
	8-Dec-2011				19.95	3800.81
	18-Jul-2011				19.23	3801.53
	19-Apr-2011				18.67	3802.09
	17-Jan-2011				17.80	3802.96
	15-Sep-2010				17.29	3803.47
	22-Jun-2010				18.80	3801.96
	22-Mar-2010				18.38	3802.38
	8-Dec-2009				17.72	3803.04
	28-Aug-2009				17.22	3803.54
26-May-2009	17.40	3803.36				
10-Dec-2008	17.71	3803.05				
28-Sep-2008	16.98	3803.78				
10-Jun-2008	18.17	3802.59				
5-Feb-2008	18.11	3802.65				
Sunset/Desert Land Dairy						
257-01	6-Aug-2015	395856.31	1520572.16	3820.33	21.13	3799.20
	6-May-2015				24.16	3796.17
	6-Feb-2015				22.36	3797.97
	10-Nov-2014				23.20	3797.13
	12-Aug-2014				22.50	3797.83
	18-Jun-2014				22.67	3797.66
	12-Feb-2014				21.67	3798.66
	6-Nov-2013				22.29	3798.04
	6-Aug-2013				22.52	3797.81
	7-May-2013				21.15	3799.18
	7-Feb-2013				20.38	3799.95
	26-Oct-2012				21.04	3799.29
	1-Aug-2012				20.82	3799.51
	24-Apr-2012				21.01	3799.32
	24-Jan-2012				20.09	3800.24
	8-Dec-2011				20.18	3800.15
	18-Jul-2011				19.75	3800.58
	19-Apr-2011				18.52	3801.81
	18-Jan-2011				17.83	3802.50
	15-Sep-2010				17.15	3803.18
	22-Jun-2010				18.15	3802.18
	22-Mar-2010				18.40	3801.93
	8-Dec-2009				17.66	3802.67
	28-Aug-2009				16.99	3803.34
26-May-2009	17.41	3802.92				
10-Dec-2008	17.87	3802.46				
27-Sep-2008	16.75	3803.58				
10-Jun-2008	17.88	3802.45				
5-Feb-2008	17.59	3802.74				
14-Nov-2007	18.53	3801.80				
12-Sep-2007	18.10	3802.23				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
257-02	17-Aug-2015	394728.34	1521030.29	3813.67	16.41	3797.26
	6-May-2015				18.20	3795.47
	6-Feb-2015				16.75	3796.92
	10-Nov-2014				17.45	3796.22
	13-Aug-2014				16.50	3797.17
	18-Jun-2014				17.87	3795.80
	12-Feb-2014				15.78	3797.89
	6-Nov-2013				16.06	3797.61
	6-Aug-2013				15.95	3797.72
	7-May-2013				15.04	3798.63
	7-Feb-2013				14.79	3798.88
	26-Oct-2012				15.06	3798.61
	1-Aug-2012				14.91	3798.76
	24-Apr-2012				15.27	3798.40
	24-Jan-2012				13.90	3799.77
	8-Dec-2011				14.38	3799.29
	19-Jul-2011				13.50	3800.17
	19-Apr-2011				12.59	3801.08
	18-Jan-2011				11.84	3801.83
	15-Sep-2010				10.86	3802.81
	22-Jun-2010				11.08	3802.59
	22-Mar-2010				12.22	3801.45
	8-Dec-2009				11.52	3802.15
	28-Aug-2009				10.86	3802.81
	26-May-2009				11.38	3802.29
	10-Dec-2008				11.67	3802.00
	27-Sep-2008				9.75	3803.92
10-Jun-2008	11.82	3801.85				
5-Feb-2008	11.67	3802.00				
14-Nov-2007	12.22	3801.45				
12-Sep-2007	11.55	3802.12				
257-03	6-Aug-2015	397935.69	1518746.14	3814.74	11.35	3803.39
	6-May-2015				Dry	
	6-Feb-2015				Dry	
	10-Nov-2014				Dry	
	13-Aug-2014				12.34	3802.40
	18-Jun-2014				12.21	3802.53
	12-Feb-2014				13.49	3801.25
	6-Nov-2013				11.04	3803.70
	6-Aug-2013				11.29	3803.45
	7-May-2013				12.98	3801.76
	7-Feb-2013				12.31	3802.43
	26-Oct-2012				11.61	3803.13
	1-Aug-2012				10.06	3804.68
	24-Apr-2012				11.56	3803.18
	24-Jan-2012				10.89	3803.85
	1-Nov-2011				11.29	3803.45
	18-Jul-2011				8.77	3805.97
	19-Apr-2011				9.31	3805.43
	17-Jan-2011				10.04	3804.70
	21-Sep-2010				9.26	3805.48
	22-Jun-2010				9.11	3805.63
	22-Mar-2010				10.45	3804.29
	8-Dec-2009				9.78	3804.96
	28-Aug-2009				9.43	3805.31
	26-May-2009				9.55	3805.19
	10-Dec-2008				10.26	3804.48
	27-Sep-2008				9.73	3805.01
10-Jun-2008	9.70	3805.04				
5-Feb-2008	11.04	3803.70				
14-Nov-2007	9.03	3805.71				
12-Sep-2007	9.61	3805.13				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
257/260-01	13-Aug-2015	397678.36	1519948.22	3814.04	Inaccessible - Crops too high	
	6-May-2015				17.12	3796.92
	6-Feb-2015				14.71	3799.33
	5-Nov-2014				14.93	3799.11
	13-Aug-2014				13.28	3800.76
	18-Jun-2014				14.53	3799.51
	12-Feb-2014				14.06	3799.98
	6-Nov-2013				14.01	3800.03
	14-Aug-2013				14.20	3799.84
	7-May-2013				13.83	3800.21
	7-Feb-2013				13.11	3800.93
	26-Oct-2012				13.36	3800.68
	1-Aug-2012				13.05	3800.99
	24-Apr-2012				12.98	3801.06
	30-Jan-2012				12.26	3801.78
	1-Nov-2011				12.79	3801.25
	18-Jul-2011				10.65	3803.39
	26-Apr-2011				11.66	3802.38
	17-Jan-2011				10.44	3803.60
	15-Sep-2010				9.94	3804.10
	22-Jun-2010				10.90	3803.14
	22-Mar-2010				10.71	3803.33
	8-Dec-2009				10.42	3803.62
	28-Aug-2009				10.11	3803.93
	26-May-2009				10.00	3804.04
	10-Dec-2008				10.48	3803.56
27-Sep-2008	9.80	3804.24				
10-Jun-2008	11.00	3803.04				
5-Feb-2008	10.99	3803.05				
14-Nov-2007	11.21	3802.83				
12-Sep-2007	NM	NM				
Additional Wells						
Bruce1	18-Jul-2011	388741.02	1523777.06	3808.92	Destroyed	
	19-Apr-2011				11.17	3797.75
	17-Jan-2011				11.13	3797.79
	15-Sep-2010				10.38	3798.54
	23-Jun-2010				10.99	3797.93
	21-Mar-2010				11.50	3797.42
	8-Dec-2009				11.05	3797.87
	27-Aug-2009				10.41	3798.51
	27-May-2009				10.77	3798.15
	10-Dec-2008				11.28	3797.64
	27-Sep-2008				10.93	3797.99
	10-Jun-2008				11.28	3797.64
	5-Feb-2008				11.47	3797.45
Bruce2	5-Feb-2008	NM	NM	NM	Destroyed	
	10-Jun-2008				8.33	--

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
SOUTHERN AREA						
Del Oro Dairy						
692-01	6-Aug-2015	373615.88	1531529.38	3844.13	61.75	3782.38
	6-May-2015				63.02	3781.11
	6-Feb-2015				61.28	3782.85
	5-Nov-2014				61.43	3782.70
	12-Aug-2014				61.27	3782.86
	13-May-2014				60.79	3783.34
	14-Feb-2014				60.38	3783.75
	6-Nov-2013				60.72	3783.41
	6-Aug-2013				60.30	3783.83
	7-May-2013				60.58	3783.55
	7-Feb-2013				59.93	3784.20
	26-Oct-2012				60.10	3784.03
	1-Aug-2012				58.79	3785.34
	24-Apr-2012				58.43	3785.70
	25-Jan-2012				78.58	Pumping
	9-Dec-2011				58.19	3785.94
	18-Jul-2011				57.79	3786.34
	19-Apr-2011				57.39	3786.74
	18-Jan-2011				57.17	3786.96
	15-Sep-2010				57.57	3786.56
	30-Jun-2010				61.15	Pumping
	22-Mar-2010				58.01	3786.12
	9-Dec-2009				58.25	3785.88
	29-Aug-2009				58.19	3785.94
	26-May-2009				57.80	3786.33
	11-Dec-2008				Pumping	NM
	28-Sep-2008				Pumping	NM
	11-Jun-2008				57.75	3786.38
6-Feb-2008	57.42	3786.71				
14-Nov-2007	57.38	3786.75				
13-Sep-2007	57.46	3786.67				
692-02	6-Aug-2015	372984.72	1531192.1	3840.84	59.66	3781.18
	6-May-2015				59.50	3781.34
	6-Feb-2015				59.02	3781.82
	5-Nov-2014				59.27	3781.57
	12-Aug-2014				59.01	3781.83
	13-May-2014				58.51	3782.33
	14-Feb-2014				58.12	3782.72
	6-Nov-2013				57.91	3782.93
	6-Aug-2013				57.60	3783.24
	7-May-2013				57.39	3783.45
	7-Feb-2013				56.86	3783.98
	25-Oct-2012				56.48	3784.36
	1-Aug-2012				56.03	3784.81
	24-Apr-2012				55.71	3785.13
	25-Jan-2012				54.70	3786.14
	13-Dec-2011				54.94	3785.90
	18-Jul-2011				55.10	3785.74
	19-Apr-2011				54.68	3786.16
	18-Jan-2011				54.32	3786.52
	15-Sep-2010				54.39	3786.45
	30-Jun-2010				54.50	3786.34
	22-Mar-2010				54.90	3785.94
	9-Dec-2009				55.11	3785.73
	28-Aug-2009				55.03	3785.81
	26-May-2009				55.38	3785.46
	11-Dec-2008				54.93	3785.91
	28-Sep-2008				54.69	3786.15
	11-Jun-2008				54.93	3785.91
6-Feb-2008	54.74	3786.10				
14-Nov-2007	54.42	3786.42				
13-Sep-2007	54.61	3786.23				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
692-04	6-Aug-2015	372982.53	1531555.21	3842.66	60.53	3782.13
	6-May-2015				61.99	3780.67
	6-Feb-2015				60.20	3782.46
	5-Nov-2014				60.44	3782.22
	12-Aug-2014				60.13	3782.53
	13-May-2014				59.66	3783.00
	14-Feb-2014				59.18	3783.48
	6-Nov-2013				59.03	3783.63
	6-Aug-2013				58.79	3783.87
	7-May-2013				58.68	3783.98
	7-Feb-2013				58.05	3784.61
	25-Oct-2012				57.62	3785.04
	1-Aug-2012				57.34	3785.32
	24-Apr-2012				57.13	3785.53
	25-Jan-2012				56.34	3786.32
	9-Dec-2011				56.91	3785.75
	18-Jul-2011				56.92	3785.74
	19-Apr-2011				56.47	3786.19
	18-Jan-2011				56.15	3786.51
	15-Sep-2010				55.90	3786.76
	30-Jun-2010				56.81	3785.85
	22-Mar-2010				56.81	3785.85
	8-Dec-2009				56.86	3785.80
	28-Aug-2009				56.82	3785.84
	26-May-2009				57.09	3785.57
	11-Dec-2008				56.71	3785.95
	28-Sep-2008				56.41	3786.25
11-Jun-2008	56.54	3786.12				
6-Feb-2008	56.40	3786.26				
14-Nov-2007	55.95	3786.71				
13-Sep-2007	56.19	3786.47				
692-05	6-Aug-2015	374807.26	1532403	3854.26	80.85	3773.41
	6-May-2015				81.97	3772.29
	6-Feb-2015				80.08	3774.18
	5-Nov-2014				81.06	3773.20
	12-Aug-2014				81.02	3773.24
	13-May-2014				80.82	3773.44
	13-Feb-2014				79.21	3775.05
	6-Nov-2013				NM	NM
	14-Aug-2013				78.12	3776.14
	7-May-2013				79.43	3774.83
	7-Feb-2013				78.86	3775.40
	26-Oct-2012				79.11	3775.15
	1-Aug-2012				78.80	3775.46
	24-Apr-2012				77.96	3776.30
	24-Jan-2012				76.80	3777.46
	9-Dec-2011				77.39	3776.87
	18-Jul-2011				77.59	3776.67
	19-Apr-2011				76.46	3777.80
	18-Jan-2011				75.55	3778.71
	15-Sep-2010				76.14	3778.12
	30-Jun-2010				76.20	3778.06
	22-Mar-2010				75.01	3779.25
	9-Dec-2009				75.52	3778.74
	28-Aug-2009				76.15	3778.11
	26-May-2009				75.65	3778.61
	11-Dec-2008				74.95	3779.31
	28-Sep-2008				75.36	3778.90
11-Jun-2008	75.72	3778.54				
6-Feb-2008	74.84	3779.42				
14-Nov-2007	75.90	3778.36				
13-Sep-2007	75.84	3778.42				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
692-06	6-Aug-2015	375054.77	1532411.83	3856.48	82.68	3773.80
	6-May-2015				83.11	3773.37
	6-Feb-2015				81.65	3774.83
	5-Nov-2014				82.91	3773.57
	12-Aug-2014				82.88	3773.60
	13-May-2014				81.84	3774.64
	14-Feb-2014				81.31	3775.17
	6-Nov-2013				82.18	3774.30
	6-Aug-2013				81.86	3774.62
	7-May-2013				81.22	3775.26
	7-Feb-2013				80.88	3775.60
	26-Oct-2012				81.03	3775.45
	1-Aug-2012				80.69	3775.79
	24-Apr-2012				79.84	3776.64
	30-Jan-2012				78.99	3777.49
	9-Dec-2011				79.32	3777.16
	18-Jul-2011				79.43	3777.05
	19-Apr-2011				78.32	3778.16
	18-Jan-2011				77.44	3779.04
	15-Sep-2010				78.02	3778.46
	30-Jun-2010				78.12	3778.36
	22-Mar-2010				76.91	3779.57
	9-Dec-2009				77.44	3779.04
	28-Aug-2009				78.04	3778.44
	26-May-2009				77.53	3778.95
	11-Dec-2008				76.79	3779.69
	28-Sep-2008				77.25	3779.23
	11-Jun-2008				77.60	3778.88
6-Feb-2008	76.76	3779.72				
14-Nov-2007	77.80	3778.68				
13-Sep-2007	77.75	3778.73				
692-07	6-Aug-2015	374944.88	1532019.81	3848.20	74.52	3773.68
	6-May-2015				75.04	3773.16
	6-Feb-2015				73.40	3774.80
	5-Nov-2014				74.65	3773.55
	12-Aug-2014				74.94	3773.26
	13-May-2014				73.69	3774.51
	14-Feb-2014				73.14	3775.06
	6-Nov-2013				74.26	3773.94
	6-Aug-2013				73.92	3774.28
	7-May-2013				73.21	3774.99
	7-Feb-2013				72.55	3775.65
	26-Oct-2012				72.78	3775.42
	1-Aug-2012				72.60	3775.60
	24-Apr-2012				71.84	3776.36
	24-Jan-2012				70.30	3777.90
	13-Dec-2011				70.54	3777.66
	18-Jul-2011				71.32	3776.88
	19-Apr-2011				70.22	3777.98
	18-Jan-2011				69.01	3779.19
	15-Sep-2010				69.72	3778.48
	30-Jun-2010				69.87	3778.33
	22-Mar-2010				68.59	3779.61
	9-Dec-2009				68.97	3779.23
	28-Aug-2009				69.71	3778.49
	26-May-2009				69.35	3778.85
	11-Dec-2008				68.38	3779.82
	28-Sep-2008				68.99	3779.21
	11-Jun-2008				69.35	3778.85
6-Feb-2008	68.44	3779.76				
14-Nov-2007	69.46	3778.74				
13-Sep-2007	69.46	3778.74				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
692-08	6-Aug-2015	375535.69	1531378.09	3843.09	68.45	3774.64
	6-May-2015				69.22	3773.87
	6-Feb-2015				67.12	3775.97
	5-Nov-2014				68.47	3774.62
	12-Aug-2014				68.72	3774.37
	13-May-2014				68.35	3774.74
	14-Feb-2014				67.81	3775.28
	6-Nov-2013				68.06	3775.03
	6-Aug-2013				68.52	3774.57
	14-May-2013				67.09	3776.00
	7-Feb-2013				66.64	3776.45
	26-Oct-2012				67.17	3775.92
	1-Aug-2012				66.47	3776.62
	24-Apr-2012				65.84	3777.25
	30-Jan-2012				64.58	3778.51
	9-Dec-2011				64.65	3778.44
	18-Jul-2011				65.79	3777.30
	19-Apr-2011				64.32	3778.77
	18-Jan-2011				62.49	3780.60
	1-Oct-2010				63.83	3779.26
	30-Jun-2010				63.71	3779.38
	22-Mar-2010				62.45	3780.64
	9-Dec-2009				62.57	3780.52
	28-Aug-2009				63.42	3779.67
	26-May-2009				64.03	3779.06
	11-Dec-2008				61.83	3781.26
	28-Sep-2008				63.42	3779.67
	11-Jun-2008				63.40	3779.69
6-Feb-2008	62.02	3781.07				
14-Nov-2007	63.25	3779.84				
13-Sep-2007	64.02	3779.07				
692-09	13-Aug-2015	373575.83	1532395.09	3856.32	84.35	3771.97
	6-May-2015				85.04	3771.28
	6-Feb-2015				83.34	3772.98
	10-Nov-2014				83.56	3772.76
	14-Aug-2014				84.03	3772.29
	13-May-2014				83.59	3772.73
	17-Feb-2014				82.51	3773.81
	6-Nov-2013				83.73	3772.59
	6-Aug-2013				83.40	3772.92
	7-May-2013				82.64	3773.68
	7-Feb-2013				82.02	3774.30
	26-Oct-2012				82.18	3774.14
	1-Aug-2012				82.11	3774.21
	24-Apr-2012				81.17	3775.15
	25-Jan-2012				79.80	3776.52
	8-Dec-2011				80.44	3775.88
	18-Jul-2011				80.78	3775.54
	19-Apr-2011				79.65	3776.67
	17-Jan-2011				78.52	3777.80
	15-Sep-2010				79.33	3776.99
	30-Jun-2010				79.52	3776.80
	22-Mar-2010				78.13	3778.19
	9-Dec-2009				78.79	3777.53
	28-Aug-2009				79.48	3776.84
	26-May-2009				78.89	3777.43
	11-Dec-2008				78.11	3778.21
	28-Sep-2008				78.55	3777.77
	11-Jun-2008				79.03	3777.29
6-Feb-2008	78.16	3778.16				
14-Nov-2007	79.15	3777.17				
13-Sep-2007	79.93	3776.39				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Anthony Waste Water Treatment Plant						
MW-1	7-Aug-2015	372097.86	1532364.36	3843.03	60.85	3782.18
	7-May-2015				61.27	3781.76
	6-Feb-2015				60.96	3782.07
	6-Nov-2014				60.79	3782.24
	12-Aug-2014				60.73	3782.30
	13-May-2014				60.65	3782.38
	14-Feb-2014				60.49	3782.54
	7-Nov-2013				60.28	3782.75
	7-Aug-2013				60.13	3782.90
	8-May-2013				59.72	3783.31
	7-Feb-2013				59.23	3783.80
	26-Oct-2012				58.85	3784.18
	2-Aug-2012				58.79	3784.24
	25-Apr-2012				58.28	3784.75
	9-Dec-2011				58.01	3785.02
	18-Jul-2011				58.44	3784.59
	20-Apr-2011				58.35	3784.68
	18-Jan-2011				58.20	3784.83
	15-Sep-2010				58.28	3784.75
	24-Jun-2010				58.50	3784.53
	22-Mar-2010				58.43	3784.60
9-Dec-2009	58.15	3784.88				
28-Aug-2009	58.07	3784.96				
27-May-2009	58.41	3784.62				
MW-2	7-Aug-2015	NM	NM	3843.25	62.05	3781.20
	7-May-2015				62.66	3780.59
	6-Feb-2015				62.48	3780.77
	6-Nov-2014				62.22	3781.03
	12-Aug-2014				62.09	3781.16
	13-May-2014				62.06	3781.19
	14-Feb-2014				62.04	3781.21
	7-Nov-2013				61.81	3781.44
	7-Aug-2013				62.07	3781.18
	8-May-2013				61.21	3782.04
	7-Feb-2013				60.85	3782.40
	26-Oct-2012				60.42	3782.83
	2-Aug-2012				60.30	3782.95
	25-Apr-2012				59.94	3783.31
	30-Jan-2012				59.30	3783.95
	9-Dec-2011				59.33	3783.92
	18-Jul-2011				59.41	3783.84
	20-Apr-2011				59.42	3783.83
	18-Jan-2011				59.31	3783.94
	15-Sep-2010				59.08	3784.17
	24-Jun-2010				59.37	3783.88
22-Mar-2010	59.44	3783.81				
9-Dec-2009	59.19	3784.06				
28-Aug-2009	58.98	3784.27				
27-May-2009	59.45	3783.80				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
MW-3	7-Aug-2015	NM	NM	3841.24	Dry	
	7-May-2015				Dry	
	6-Feb-2015				Dry	
	6-Nov-2014				Dry	
	12-Aug-2014				Dry	
	13-May-2014				Dry	
	14-Feb-2014				Dry	
	7-Nov-2013				Dry	
	7-Aug-2013				59.29	3781.95
	8-May-2013				58.80	3782.44
	7-Feb-2013				58.36	3782.88
	26-Oct-2012				57.98	3783.26
	2-Aug-2012				57.81	3783.43
	25-Apr-2012				57.32	3783.92
	30-Jan-2012				56.80	3784.44
	8-Dec-2011				56.87	3784.37
	18-Jul-2011				56.98	3784.26
	19-Apr-2011				56.93	3784.31
	18-Jan-2011				56.73	3784.51
	15-Sep-2010				Could not access	
	24-Jun-2010				56.91	3784.33
	22-Mar-2010				56.93	3784.31
	9-Dec-2009				56.69	3784.55
	28-Aug-2009				56.54	3784.70
	27-May-2009				56.96	3784.28
	ABATEMENT PLAN MONITOR WELLS					
DAD-01	6-Aug-2015	422970.59	1512825.76	3886.16	73.54	3812.62
	7-May-2015				72.98	3813.18
	6-Feb-2015				71.45	3814.71
	6-Nov-2014				72.07	3814.09
	12-Aug-2014				71.93	3814.23
	13-May-2014				71.48	3814.68
	12-Feb-2014				70.14	3816.02
	6-Nov-2013				70.64	3815.52
	7-Aug-2013				68.63	3817.53
	7-May-2013				68.48	3817.68
	8-Feb-2013				68.59	3817.57
	29-Oct-2012				68.12	3818.04
	30-Jul-2012				68.97	3817.19
	23-Apr-2012				68.19	3817.97
	25-Jan-2012				67.15	3819.01
	8-Dec-2011				67.41	3818.75
	19-Jul-2011				67.41	3818.75
	25-Apr-2011				65.86	3820.30
	18-Jan-2011				65.37	3820.79
	16-Sep-2010				65.86	3820.30
24-Jun-2010	66.58	3819.58				
21-Mar-2010	65.46	3820.70				
9-Dec-2009	65.32	3820.84				
29-Aug-2009	65.68	3820.48				
26-May-2009	65.43	3820.73				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-02	6-Aug-2015	413002.98	1517319.93	3875.82	67.25	3808.57
	7-May-2015				67.10	3808.72
	6-Feb-2015				66.30	3809.52
	6-Nov-2014				66.60	3809.22
	12-Aug-2014				66.55	3809.27
	13-May-2014				66.01	3809.81
	12-Feb-2014				65.42	3810.40
	7-Nov-2013				65.55	3810.27
	7-Aug-2013				65.01	3810.81
	8-May-2013				64.56	3811.26
	8-Feb-2013				64.04	3811.78
	29-Oct-2012				64.11	3811.71
	31-Jul-2012				64.03	3811.79
	24-Apr-2012				63.45	3812.37
	25-Jan-2012				62.91	3812.91
	8-Dec-2011				63.07	3812.75
	19-Jul-2011				62.63	3813.19
	18-Apr-2011				62.11	3813.71
	17-Jan-2011				61.37	3814.45
	16-Sep-2010				61.79	3814.03
	25-Jun-2010				62.95	3812.87
	21-Mar-2010				61.43	3814.39
	9-Dec-2009				61.46	3814.36
29-Aug-2009	61.65	3814.17				
26-May-2009	61.59	3814.23				
DAD-03	6-Aug-2015	407721.31	1516497.85	3820.58	13.41	3807.17
	7-May-2015				13.52	3807.06
	6-Feb-2015				12.87	3807.71
	6-Nov-2014				12.94	3807.64
	12-Aug-2014				13.20	3807.38
	13-May-2014				13.39	3807.19
	17-Feb-2014				12.66	3807.92
	11-Dec-2013				12.67	3807.91
	14-Aug-2013				12.36	3808.22
	8-May-2013				11.87	3808.71
	8-Feb-2013				11.07	3809.51
	29-Oct-2012				10.93	3809.65
	31-Jul-2012				10.90	3809.68
	24-Apr-2012				10.97	3809.61
	25-Jan-2012				10.60	3809.98
	8-Dec-2011				10.70	3809.88
	19-Jul-2011				10.29	3810.29
	18-Apr-2011				10.12	3810.46
	24-Jan-2011				9.36	3811.22
	16-Sep-2010				9.40	3811.18
	24-Jun-2010				9.97	3810.61
	21-Mar-2010				9.90	3810.68
	9-Dec-2009				9.79	3810.79
29-Aug-2009	9.72	3810.86				
26-May-2009	9.89	3810.69				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-04	6-Aug-2015	404576.66	1517413.28	3821.47	16.77	3804.70
	7-May-2015				17.57	3803.90
	6-Feb-2015				15.55	3805.92
	6-Nov-2014				15.29	3806.18
	13-Aug-2014				15.81	3805.66
	13-May-2014				17.36	3804.11
	13-Feb-2014				15.45	3806.02
	7-Nov-2013				16.91	3804.56
	7-Aug-2013				17.11	3804.36
	8-May-2013				15.02	3806.45
	8-Feb-2013				14.48	3806.99
	29-Oct-2012				15.10	3806.37
	31-Jul-2012				14.37	3807.10
	24-Apr-2012				14.27	3807.20
	25-Jan-2012				13.40	3808.07
	8-Dec-2011				13.84	3807.63
	19-Jul-2011				13.63	3807.84
	18-Apr-2011				13.21	3808.26
	17-Jan-2011				12.71	3808.76
	16-Sep-2010				12.14	3809.33
	23-Jun-2010				12.59	3808.88
	21-Mar-2010				12.88	3808.59
	9-Dec-2009				12.10	3809.37
29-Aug-2009	12.13	3809.34				
26-May-2009	12.31	3809.16				
DAD-05	13-Aug-2015	396712.87	1519102.06	3816.01	14.38	3801.63
	7-May-2015				18.16	3797.85
	6-Feb-2015				16.60	3799.41
	10-Nov-2014				17.25	3798.76
	13-Aug-2014				14.33	3801.68
	13-May-2014				17.24	3798.77
	13-Feb-2014				15.82	3800.19
	7-Nov-2013				15.39	3800.62
	7-Aug-2013				15.32	3800.69
	8-May-2013				15.78	3800.23
	8-Feb-2013				15.08	3800.93
	29-Oct-2012				14.85	3801.16
	2-Aug-2012				14.17	3801.84
	24-Apr-2012				14.14	3801.87
	25-Jan-2012				14.11	3801.90
	8-Dec-2011				14.05	3801.96
	18-Jul-2011				12.31	3803.70
	18-Apr-2011				12.58	3803.43
	17-Jan-2011				12.50	3803.51
	16-Sep-2010				11.87	3804.14
	23-Jun-2010				12.95	3803.06
	21-Mar-2010				12.92	3803.09
	9-Dec-2009				12.13	3803.88
29-Aug-2009	11.85	3804.16				
26-May-2009	12.07	3803.94				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b	
DAD-06	6-Aug-2015	404273.19	1522081.00	3887.71		Dry	
	7-May-2015					Dry	
	6-Feb-2015					Dry	
	6-Nov-2014					Dry	
	12-Aug-2014					Dry	
	13-May-2014					Dry	
	13-Feb-2014					Dry	
	7-Nov-2013					Dry	
	7-Aug-2013					Dry	
	8-May-2013					82.79	3804.92
	8-Feb-2013					82.38	3805.33
	29-Oct-2012					82.47	3805.24
	1-Aug-2012					82.20	3805.51
	24-Apr-2012					82.13	3805.58
	25-Jan-2012					81.32	3806.39
	8-Dec-2011					81.55	3806.16
	18-Jul-2011					80.94	3806.77
	20-Apr-2011					80.16	3807.55
	17-Jan-2011					79.43	3808.28
	16-Sep-2010					79.68	3808.03
	25-Jun-2010					80.33	3807.38
	21-Mar-2010					79.85	3807.86
	9-Dec-2009					79.95	3807.76
29-Aug-2009		80.46	3807.25				
26-May-2009		80.32	3807.39				
DAD-07	6-Aug-2015	399270.18	1524320.88	3891.38	92.43	3798.95	
	7-May-2015				92.46	3798.92	
	6-Feb-2015				92.28	3799.10	
	6-Nov-2014				92.34	3799.04	
	12-Aug-2014				92.12	3799.26	
	13-May-2014				91.88	3799.50	
	13-Feb-2014				91.37	3800.01	
	7-Nov-2013				91.60	3799.78	
	7-Aug-2013				91.19	3800.19	
	8-May-2013				90.89	3800.49	
	8-Feb-2013				90.13	3801.25	
	29-Oct-2012				90.34	3801.04	
	2-Aug-2012				90.38	3801.00	
	24-Apr-2012				90.25	3801.13	
	25-Jan-2012				89.75	3801.63	
	8-Dec-2011				89.35	3802.03	
	18-Jul-2011				88.98	3802.40	
	20-Apr-2011				88.34	3803.04	
	17-Jan-2011				87.94	3803.44	
	16-Sep-2010				88.29	3803.09	
	25-Jun-2010				88.49	3802.89	
	21-Mar-2010				88.00	3803.38	
	9-Dec-2009				88.19	3803.19	
29-Aug-2009	88.45	3802.93					
26-May-2009	88.14	3803.24					

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-08	6-Aug-2015	395287.38	1522575.07	3849.15	52.90	3796.25
	7-May-2015				53.22	3795.93
	6-Feb-2015				51.97	3797.18
	6-Nov-2014				52.61	3796.54
	13-Aug-2014				53.09	3796.06
	13-May-2014				53.98	3795.17
	13-Feb-2014				51.31	3797.84
	7-Nov-2013				51.50	3797.65
	7-Aug-2013				53.18	3795.97
	8-May-2013				52.43	3796.72
	8-Feb-2013				50.37	3798.78
	29-Oct-2012				49.86	3799.29
	1-Aug-2012				50.34	3798.81
	24-Apr-2012				50.34	3798.81
	25-Jan-2012				49.62	3799.53
	13-Dec-2011				50.12	3799.03
	18-Jul-2011				49.97	3799.18
	20-Apr-2011				48.87	3800.28
	18-Jan-2011				47.80	3801.35
	17-Sep-2010				47.05	3802.10
	25-Jun-2010				48.06	3801.09
	21-Mar-2010				47.76	3801.39
	9-Dec-2009				47.42	3801.73
29-Aug-2009	47.18	3801.97				
26-May-2009	47.38	3801.77				
DAD-09	6-Aug-2015	373259.30	1530905.70	3838.03	57.36	3780.67
	7-May-2015				57.19	3780.84
	6-Feb-2015				56.90	3781.13
	6-Nov-2014				56.69	3781.34
	12-Aug-2014				56.57	3781.46
	13-May-2014				56.14	3781.89
	13-Feb-2014				55.65	3782.38
	7-Nov-2013				55.17	3782.86
	7-Aug-2013				55.35	3782.68
	7-May-2013				54.94	3783.09
	8-Feb-2013				54.67	3783.36
	29-Oct-2012				54.13	3783.90
	2-Aug-2012				53.86	3784.17
	24-Apr-2012				53.40	3784.63
	25-Jan-2012				52.67	3785.36
	13-Dec-2011				52.62	3785.41
	18-Jul-2011				52.28	3785.75
	18-Apr-2011				51.89	3786.14
	17-Jan-2011				51.09	3786.94
	17-Sep-2010				51.55	3786.48
	29-Jun-2010				52.20	3785.83
	21-Mar-2010				51.84	3786.19
	9-Dec-2009				52.12	3785.91
29-Aug-2009	52.23	3785.80				
26-May-2009	52.49	3785.54				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-10	6-Aug-2015	372980.55	1532375.33	3854.93	83.56	3771.37
	7-May-2015				83.93	3771.00
	6-Feb-2015				82.18	3772.75
	6-Nov-2014				83.31	3771.62
	12-Aug-2014				83.25	3771.68
	13-May-2014				83.61	3771.32
	17-Feb-2014				81.59	3773.34
	7-Nov-2013				82.75	3772.18
	7-Aug-2013				82.78	3772.15
	7-May-2013				81.77	3773.16
	8-Feb-2013				80.87	3774.06
	29-Oct-2012				81.02	3773.91
	2-Aug-2012				81.47	3773.46
	24-Apr-2012				80.36	3774.57
	25-Jan-2012				78.76	3776.17
	13-Dec-2011				79.07	3775.86
	18-Jul-2011				80.29	3774.64
	20-Apr-2011				79.13	3775.80
	17-Jan-2011				77.82	3777.11
	17-Sep-2010				78.66	3776.27
	29-Jun-2010				78.59	3776.34
	21-Mar-2010				77.19	3777.74
	9-Dec-2009				77.92	3777.01
29-Aug-2009	78.72	3776.21				
26-May-2009	77.90	3777.03				
DAD-11	6-Aug-2015	416211.35	1513814.71	3835.90	22.38	3813.52
	7-May-2015				22.64	3813.26
	6-Feb-2015				22.50	3813.40
	10-Nov-2014				21.80	3814.10
	13-Aug-2014				20.77	3815.13
	12-May-2014				21.34	3814.56
	12-Feb-2014				21.64	3814.26
	7-Nov-2013				20.76	3815.14
	7-Aug-2013				20.17	3815.73
	8-May-2013				20.70	3815.20
	8-Feb-2013				19.25	3816.65
	29-Oct-2012				19.07	3816.83
	30-Jul-2012				18.57	3817.33
	24-Apr-2012				19.12	3816.78
	25-Jan-2012				18.40	3817.50
	13-Dec-2011				18.75	3817.15
	19-Jul-2011				17.54	3818.36
	19-Apr-2011				17.31	3818.59
	17-Jan-2011				16.99	3818.91
	15-Sep-2010				16.24	3819.66
	23-Jun-2010				16.53	3819.37
	22-Mar-2010				17.29	3818.61
	8-Dec-2009				16.82	3819.08
28-Aug-2009	16.63	3819.27				
26-May-2009	16.92	3818.98				
10-Dec-2008	17.05	3818.85				
27-Sep-2008	16.65	3819.25				
10-Jun-2008	17.53	3818.37				
6-Feb-2008	17.33	3818.57				
13-Nov-2007	17.19	3818.71				
13-Sep-2007	16.61	3819.29				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-12	6-Aug-2015	419731.54	1512274.77	3866.72	52.87	3813.85
	7-May-2015				52.75	3813.97
	6-Feb-2015				52.18	3814.54
	10-Nov-2014				51.93	3814.79
	13-Aug-2014				51.10	3815.62
	12-May-2014				51.43	3815.29
	12-Feb-2014				50.92	3815.80
	7-Nov-2013				50.49	3816.23
	7-Aug-2013				49.24	3817.48
	7-May-2013				49.66	3817.06
	8-Feb-2013				49.36	3817.36
	29-Oct-2012				48.96	3817.76
	31-Jul-2012				48.59	3818.13
	23-Apr-2011				48.44	3818.28
	25-Jan-2012				48.01	3818.71
6-Dec-2011	48.15	3818.57				
DAD-13	6-Aug-2015	417879.08	1515673.13	3898.44	88.65	3809.79
	7-May-2015				88.05	3810.39
	6-Feb-2015				85.50	3812.94
	10-Nov-2014				85.74	3812.70
	13-Aug-2014				86.67	3811.77
	13-May-2014				87.24	3811.20
	12-Feb-2014				84.45	3813.99
	7-Nov-2013				85.43	3813.01
	14-Aug-2013				86.46	3811.98
	8-May-2013				84.96	3813.48
	8-Feb-2013				84.81	3813.63
	29-Oct-2012				85.39	3813.05
	30-Jul-2012				85.51	3812.93
	23-Apr-2012				83.56	3814.88
	25-Jan-2012				82.72	3815.72
8-Dec-2011	82.88	3815.56				
DAD-14	6-Aug-2015	414923.33	1514695.26	3841.90	30.47	3811.43
	7-May-2015				30.29	3811.61
	6-Feb-2015				29.83	3812.07
	10-Nov-2014				29.50	3812.40
	13-Aug-2014				28.63	3813.27
	13-May-2014				29.68	3812.22
	12-Feb-2014				29.02	3812.88
	7-Nov-2013				28.44	3813.46
	7-Aug-2013				28.25	3813.65
	8-May-2013				28.15	3813.75
	8-Feb-2013				27.31	3814.59
	25-Oct-2012				26.62	3815.28
	30-Jul-2012				25.85	3816.05
	24-Apr-2012				26.07	3815.83
	25-Jan-2012				26.10	3815.80
8-Dec-2011	26.30	3815.60				

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-15	6-Aug-2015	402001.22	1523552.04	3897.61	96.05	3801.56
	7-May-2015				96.05	3801.56
	6-Feb-2015				95.65	3801.96
	6-Nov-2014				95.11	3802.50
	14-Aug-2014				95.50	3802.11
	13-May-2014				95.47	3802.14
	12-Feb-2014				94.81	3802.80
	7-Nov-2013				95.08	3802.53
	7-Aug-2013				95.31	3802.30
	8-May-2013				94.35	3803.26
	8-Feb-2013				94.01	3803.60
	29-Oct-2012				93.78	3803.83
DAD-16	6-Aug-2015	400628.77	1519350.74	3819.28	19.46	3799.82
	7-May-2015				20.45	3798.83
	6-Feb-2015				18.45	3800.83
	10-Nov-2014				18.94	3800.34
	13-Aug-2014				19.45	3799.83
	13-May-2014				20.31	3798.97
	13-Feb-2014				18.45	3800.83
	7-Nov-2013				18.94	3800.34
	7-Aug-2013				19.06	3800.22
	8-May-2013				18.49	3800.79
	8-Feb-2013				17.20	3802.08
	29-Oct-2012				17.23	3802.05
	31-Jul-2012				18.58	3800.70
	24-Apr-2012				17.64	3801.64
	25-Jan-2012				16.50	3802.78
	8-Dec-2011				16.58	3802.70
DAD-17	13-Aug-2015	393991.97	1520267.94	3817.75	21.95	3795.80
	7-May-2015				22.59	3795.16
	6-Feb-2015				21.00	3796.75
	10-Nov-2014				21.76	3795.99
	13-Aug-2014				20.32	3797.43
	13-May-2014				23.32	3794.43
	12-Feb-2014				20.05	3797.70
	7-Nov-2013				20.21	3797.54
	7-Aug-2013				19.75	3798.00
	13-May-2013				19.37	3798.38
	8-Feb-2013				18.55	3799.20
	29-Oct-2012				19.18	3798.57
	2-Aug-2012				19.07	3798.68
	24-Apr-2012				21.01	3796.74
	25-Jan-2012				17.74	3800.01
	9-Dec-2011				19.21	3798.54

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-18	13-Aug-2015	395714.14	1520588.96	3821.59	23.37	3798.22
	7-May-2015				25.84	3795.75
	6-Feb-2015				23.73	3797.86
	10-Nov-2014				24.90	3796.69
	12-Aug-2014				22.93	3798.66
	13-May-2014				25.33	3796.26
	17-Feb-2014				23.03	3798.56
	7-Nov-2013				23.25	3798.34
	7-Aug-2013				24.23	3797.36
	13-May-2013				22.97	3798.62
	8-Feb-2013				22.04	3799.55
	29-Oct-2012				22.40	3799.19
	1-Aug-2012				22.43	3799.16
	24-Apr-2012				22.20	3799.39
	25-Jan-2012				21.33	3800.26
6-Dec-2011	21.43	3800.16				
DAD-19	6-Aug-2015	400164.47	1522027.92	3864.50	65.35	3799.15
	7-May-2015				65.56	3798.94
	6-Feb-2015				64.38	3800.12
	10-Nov-2014				64.50	3800.00
	12-Aug-2014				65.29	3799.21
	13-May-2014				65.26	3799.24
	12-Feb-2014				63.99	3800.51
	7-Nov-2013				64.11	3800.39
	7-Aug-2013				64.46	3800.04
	14-May-2013				63.75	3800.75
	8-Feb-2013				62.95	3801.55
	29-Oct-2012				62.30	3802.20
	1-Aug-2012				63.70	3800.80
	24-Apr-2012				63.31	3801.19
	25-Jan-2012				62.25	3802.25
6-Dec-2011	62.29	3802.21				
DAD-20	6-Aug-2015	371751.45	1531188.19	3833.27	54.32	3778.95
	7-May-2015				54.40	3778.87
	6-Feb-2015				54.26	3779.01
	6-Nov-2014				54.44	3778.83
	12-Aug-2014				54.26	3779.01
	13-May-2014				54.20	3779.07
	13-Feb-2014				53.54	3779.73
	7-Nov-2013				53.70	3779.57
	7-Aug-2013				53.43	3779.84
	8-May-2013				52.88	3780.39
	8-Feb-2013				52.29	3780.98
	7-Nov-2012				52.18	3781.09
	29-Oct-2012				Obstruction in Well	
	2-Aug-2012				Obstruction in Well	
	25-Apr-2012				Obstruction in Well	
	25-Jan-2012				50.65	3782.62
	6-Dec-2011				50.66	3782.61

**TABLE 1. SUMMARY OF MONITOR WELL FLUID GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-21	6-Aug-2015	374013.39	1530983.98	3839.62	57.83	3781.79
	7-May-2015				57.56	3782.06
	6-Feb-2015				57.16	3782.46
	6-Nov-2014				56.97	3782.65
	12-Aug-2014				56.82	3782.80
	13-May-2014				56.42	3783.20
	17-Feb-2014				55.97	3783.65
	7-Nov-2013				55.89	3783.73
	7-Aug-2013				55.81	3783.81
	7-May-2013				55.43	3784.19
	8-Feb-2013				55.10	3784.52
	29-Oct-2012				54.60	3785.02
	2-Aug-2012				54.31	3785.31
	24-Apr-2012				53.61	3786.01
	30-Jan-2012				53.44	3786.18
6-Dec-2011	53.24	3786.38				
DAD-22	6-Aug-2015	373029.62	1530352.69	3827.14	47.65	3779.49
	7-May-2015				47.54	3779.60
	6-Feb-2015				47.30	3779.84
	6-Nov-2014				47.14	3780.00
	12-Aug-2014				46.98	3780.16
	13-May-2014				46.56	3780.58
	17-Feb-2014				46.18	3780.96
	7-Nov-2013				45.73	3781.41
	7-Aug-2013				45.77	3781.37
	14-May-2013				44.09	3783.05
	8-Feb-2013				44.08	3783.06
	29-Oct-2012				44.51	3782.63
	2-Aug-2012				44.23	3782.91
	25-Apr-2012				43.86	3783.28
	25-Jan-2012				43.22	3783.92
13-Dec-2011	43.27	3783.87				

Notes:

^a Horizontal control to NM State Plane Coordinates Central NAD83 Grid Coordinates (in feet)

^b Vertical Control to NAVD88 Datum in feet above mean sea level

^c Measured in feet below the top of casing at survey point on north side of well

^d Measured in feet

Wells were gauged on a different date by Magee and Associates Inc.

Wells were gauged on a different date by EnviroCompliance Inc.

Measured data were suspect and corrected to reflect appropriate trends in accordance with surrounding wells

**TABLE 2. SUMMARY OF SAMPLE ANALYTICAL METHODS AND COLLECTION REQUIREMENTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Target Analytes	Analytical Method	Sample Container	Preservative	Holding Time
Groundwater Samples				
Nitrate/Nitrite	EPA 300.0/ SM 4500 NO3 E	250 mL HDPE Bottle	H ₂ SO ₄ to pH2, Cool to <6°C	28 Days
Total Kjeldhal Nitrogen	SM 4500 NORG C	250 mL HDPE Bottle	H ₂ SO ₄ to pH2, Cool to <6°C	28 Days
Chloride	EPA 300.0	250 mL HDPE Bottle	Cool to <6°C	28 Days
Total Dissolved Solids	SM 2540 C MOD	250 mL HDPE Bottle	Cool to <6°C	28 Days
NOTES: °C = Degree Celsius ASTM = American Society for Testing and Materials EPA = U.S. Environmental Protection Agency H ₂ SO ₄ = Sulfuric Acid HDPE = High-density polyethylene mL = milliliters				

**TABLE 3. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
Abatement Plan Monitoring Wells						
DAD-01	1-Sep-15	8.52	2.10	420	1,600	NA
	27-May-15	10.9	<1.18	418	1,640	NA
	4-Mar-15	4.70	<1.80	459	1,910	NA
	3-Dec-14	6.53	<1.80	468	1,780	NA
	29-Aug-14	8.28	<1.80	425	1,830	NA
	3-Jun-14	6.13	<1.80	491	2,020	NA
	10-Mar-14	5.76	<1.66	496	1,780	NA
	11-Dec-13	7.61	3.50	471	1,760	NA
	10-Sep-13	4.43	2.80	472	1,920	NA
	16-May-13	10.4	<1.66	408	1,930	NA
	28-Feb-13	10.0	<1.72	469	1,740	NA
	3-Dec-12	10.7	<1.72	348	1,800	NA
	21-Aug-12	9.98	<1.72	373	1,640	NA
	9-May-12	6.88	2.80	401	1,660	NA
	31-Jan-12	9.90	2.52	439	1,520	NA
	27-Oct-11	9.56	3.50	436	1,840	256
	20-Jul-11	12.0	2.38	426	1,650	NA
	20-Apr-11	10.3	<2.17	460	1,710	NA
	24-Jan-11	19.8	3.50	408	1,820	NA
	16-Sep-10	7.56	<10.0	439	1,800	NA
	29-Jun-10	8.55	<1.0	491	2,120	NA
	21-Mar-10	6.3	<5.0	500	1,780	NA
	NMED Split	9-Dec-09	7.5	1.5	550	2,010
9-Dec-09		7.3	2.8	468	356	264
29-Aug-09		7.3	<5.0	540	1,970	NA
12-May-09		5.6	<1.0	540	1,800	NA
DAD-02	31-Aug-15	10.3	3.50	511	1,760	NA
	27-May-15	10.6	<1.18	465	1,540	NA
	4-Mar-15	9.15	<1.80	440	1,560	NA
	3-Dec-14	8.47	<1.80	542	1,710	NA
	29-Aug-14	7.05	<1.80	451	1,690	NA
	3-Jun-14	5.18	<1.80	506	1,640	NA
	10-Mar-14	7.75	<1.66	463	1,620	NA
	11-Dec-13	7.91	2.80	443	1,540	NA
	9-Sep-13	7.14	<1.66	337	1,900	NA
	16-May-13	9.19	<1.66	393	1,750	NA
	1-Mar-13	8.52	<1.72	357	1,520	NA
	3-Dec-12	8.51	<1.72	345	1,800	NA
	21-Aug-12	4.39	2.10	301	1,570	NA
	9-May-12	7.71	<1.72	373	1,830	NA
	31-Jan-12	7.66	<2.17	335	1,720	NA
	27-Oct-11	8.30	2.52	380	1,360	475
	20-Jul-11	7.66	<2.17	374	1,750	NA
	21-Apr-11	7.97	<2.17	434	1,760	NA
	24-Jan-11	6.38	2.80	443	2,240	NA
	16-Sep-10	3.44	<10.0	385	1,790	NA
	29-Jun-10	8.11	<0.5	364	1,870	NA
	21-Mar-10	8.1	<1.0	420	1,970	NA
	NMED Split	9-Dec-09	9.0	<1.0	440	1,920
9-Dec-09		9	0.39	388	1,970	586
29-Aug-09		9.9	<2.0	490	1,890	NA
14-May-09		7.4	<5.0	350	1,700	NA

**TABLE 3. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-03	1-Sep-15	<0.194	1.40	702	2,720	NA
	27-May-15	<0.0470	<1.18	738	2,620	NA
	4-Mar-15	<0.0470	<1.80	609	2,630	NA
	3-Dec-14	<0.126	<1.80	569	2,560	NA
	29-Aug-14	<0.126	<1.80	686	2,890	NA
	9-Jun-14	<0.187	<1.80	838	3,410	NA
	10-Mar-14	0.906	<1.66	917	3,480	NA
	11-Dec-13	<0.213	<1.66	932	3,180	NA
	10-Sep-13	Not Sampled - insufficient water to sample				
	16-May-13	1.07	<1.66	1,400	4,420	NA
	1-Mar-13	0.721	<1.72	1,220	3,720	NA
	3-Dec-12	1.1	<1.72	1,150	4,760	NA
	21-Aug-12	<0.0290	2.80	1,090	3,920	NA
	9-May-12	<0.114	2.66	1,200	4,160	NA
	31-Jan-12	<0.500	4.34	1,340	4,350	NA
	26-Oct-11	<0.500	3.22	1,790	5,420	1,100
	20-Jul-11	<1.00	3.22	1,630	4,720	NA
	21-Apr-11	<0.500	<2.17	1,870	5,600	NA
	24-Jan-11	<0.00955	4.20	1,590	4,660	NA
	16-Sep-10	0.217	<10.0	1,370	4,320	NA
	29-Jun-10	<0.5	6.18	1,570	5,150	NA
	21-Mar-10	<10	<1.0	2,200	5,620	NA
	9-Dec-09	<10	<5.0	2,100	5,590	NA
NMED Split	9-Dec-09	<0.1	0.88	1,570	5,300	1,160
	29-Aug-09	<0.10	<5.0	1,400	4,420	NA
	12-May-09	<10	<5.0	1,200	5,000	NA
DAD-04	1-Sep-15	<0.194	2.10	561	2,320	NA
	27-May-15	0.176	<1.18	475	1,820	NA
	4-Mar-15	0.819	<1.80	195	1,280	NA
	3-Dec-14	1.65	<1.80	185	1,260	NA
	29-Aug-14	<0.126	<1.80	483	2,060	NA
	3-Jun-14	0.988	3.50	740	2,810	NA
	10-Mar-14	1.01	<1.66	694	2,600	NA
	11-Dec-13	1.69	<1.66	604	2,400	NA
	5-Sep-13	0.827	9.10	544	2,710	NA
	16-May-13	<0.0420	<1.66	613	2,320	NA
	1-Mar-13	2.12	<1.72	510	2,090	NA
	5-Dec-12	2.740	<1.72	545	2,430	NA
	21-Aug-12	<0.0290	<1.72	496	2,620	NA
	9-May-12	0.305	<1.72	502	1,970	NA
	31-Jan-12	2.05	<2.17	493	2,320	NA
	26-Oct-11	<0.500	2.80	590	2,950	380
	20-Jul-11	<0.500	<2.17	670	2,540	NA
	20-Apr-11	<0.500	<2.17	584	2,570	NA
	24-Jan-11	<0.00955	2.66	608	2,400	NA
	16-Sep-10	<0.100	<10.0	683	2,560	NA
	29-Jun-10	<0.5	1.4	570	2,330	NA
	21-Mar-10	<2.0	<2.0	620	2,460	NA
	9-Dec-09	<2.0	1.7	810	2,720	NA
NMED Split	9-Dec-09	<0.1	1.2	659	2,630	373
	29-Aug-09	<2.0	<5.0	690	2,690	NA
	13-May-09	<2.0	<5.0	690	2,700	NA

**TABLE 3. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-05	1-Sep-15	2.15	1.40	388	2,100	NA
	27-May-15	4.48	<1.18	436	2,180	NA
	4-Mar-15	10.5	<1.80	564	2,400	NA
	3-Dec-14	2.55	<1.80	273	1,300	NA
	29-Aug-14	1.87	<1.80	230	1,200	NA
	3-Jun-14	2.20	<1.80	497	2,000	NA
	10-Mar-14	4.81	<1.66	312	1,510	NA
	12-Dec-13	0.898	2.80	72.9	695	NA
	5-Sep-13	2.16	4.90	120	870	NA
	29-May-13	2.44	<1.66	582	2,580	NA
	5-Mar-13	<0.246	<1.72	519	2,100	NA
	5-Dec-12	3.350	<1.72	690	2,930	NA
	22-Aug-12	<0.0290	<1.72	544	2,260	NA
	9-May-12	0.908	2.10	566	2,380	NA
	1-Feb-12	<0.500	<2.17	558	2,020	NA
	26-Oct-11	<0.500	2.66	647	900	377
	20-Jul-11	<0.500	5.04	599	2,460	NA
	20-Apr-11	<0.500	<2.17	430	1,810	NA
	20-Jan-11	0.128	2.10	477	1,870	NA
	16-Sep-10	<2.50	<10.0	536	2,220	NA
	29-Jun-10	<0.5	1.1	627	2,550	NA
	21-Mar-10	<2.0	<1.0	630	2,340	NA
	9-Dec-09	<2.0	1.3	710	2,420	NA
NMED Split	9-Dec-09	<0.1	0.95	563	2,290	362
	29-Aug-09	<2.0	<2.0	630	2,310	NA
	13-May-09	<2.0	<5.0	640	2,700	NA
Duplicate	13-May-09	<10	1.6	618	2,260	NA
DAD-06	1-Sep-15	Dry				
	28-May-15	Dry				
	4-Mar-15	Dry				
	4-Dec-14	Dry				
	12-Aug-14	Dry				
	13-May-14	Dry				
	10-Mar-14	Dry				
	11-Dec-13	Dry				
	5-Sep-13	Dry				
	30-May-13	6.07	<1.66	508	1,690	NA
	4-Mar-13	7.66	<1.72	496	1,510	NA
	5-Dec-12	8.25	<1.72	439	1,610	NA
	21-Aug-12	9.11	2.10	347	1,530	NA
	9-May-12	11.0	<1.72	375	1,570	NA
	31-Jan-12	13.6	<2.17	382	1,510	NA
	27-Oct-11	9.20	<2.17	322	1,060	228
	20-Jul-11	18.0	3.64	358	1,370	NA
	21-Apr-11	18.0	<2.17	349	1,330	NA
	24-Jan-11	12.2	2.10	360	1,270	NA
	16-Sep-10	9.20	<10.0	359	1,370	NA
	29-Jun-10	11.6	<2.0	365	1,460	NA
	21-Mar-10	10	<2.0	390	1,390	NA
	9-Dec-09	10	<1.0	380	1,380	NA
NMED Split	9-Dec-09	8.6	0.36	354	1,440	262
	29-Aug-09	8.2	<5.0	390	1,260	NA
	14-May-09	11	<5.0	350	1,300	NA
Duplicate	14-May-09	8.17	0.4	338	1,250	NA

**TABLE 3. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-07	1-Sep-15	7.45	<1.18	649	2,060	NA
	28-May-15	5.83	<1.18	619	1,960	NA
	5-Mar-15	5.34	<1.80	554	2,060	NA
	3-Dec-14	6.85	<1.80	607	2,180	NA
	2-Sep-14	7.48	<1.80	589	2,150	NA
	12-Jun-14	5.44	<1.80	540	2,020	NA
	11-Mar-14	4.84	2.10	512	1,980	NA
	11-Dec-13	7.94	<1.66	700	2,270	NA
	5-Sep-13	7.01	3.50	650	2,380	NA
	24-May-13	8.42	<1.66	720	2,570	NA
	5-Mar-13	8.15	<1.72	724	2,740	NA
	5-Dec-12	8.03	<1.72	718	2,610	NA
	22-Aug-12	6.88	<1.72	671	2,540	NA
	9-May-12	3.81	<1.72	588	2,150	NA
	31-Jan-12	5.40	<2.17	610	1,640	NA
	26-Oct-11	5.22	2.24	591	750	426
	20-Jul-11	4.67	2.80	554	1,880	NA
	20-Apr-11	4.14	<2.17	525	1,780	NA
	19-Jan-11	0.410	<2.05	518	1,740	NA
	16-Sep-10	<2.50	<10.0	637	1,990	NA
	29-Jun-10	5.17	<0.5	569	2,060	NA
	21-Mar-10	5.1	<1.0	640	1,970	NA
	9-Dec-09	5.4	<1.0	620	1,900	NA
NMED Split	9-Dec-09	5.2	<0.1	536	1,870	403
	29-Aug-09	4.4	<5.0	610	1,780	NA
	14-May-09	4.6	<1.0	530	1,800	NA
DAD-08	1-Sep-15	65.3	<1.18	2,050	6,160	NA
	28-May-15	63.0	<1.18	2,050	5,840	NA
	5-Mar-15	48.6	<1.80	1,670	5,740	NA
	3-Dec-14	48.1	<1.80	1,700	5,930	NA
	2-Sep-14	39.5	<1.80	1,700	5,220	NA
	4-Jun-14	55.8	2.10	2,210	5,840	NA
	11-Mar-14	71.7	<1.66	2,450	6,400	NA
	12-Dec-13	70.7	2.80	2,500	6,780	NA
	5-Sep-13	74.9	2.80	2,440	7,440	NA
	24-May-13	71.5	<1.66	2,140	6,740	NA
	4-Mar-13	90.0	<1.72	2,280	7,060	NA
	5-Dec-12	40.2	<1.72	2,270	5,980	NA
	22-Aug-12	32.2	<1.72	2,430	7,220	NA
	9-May-12	2.39	<1.72	1,150	3,260	NA
	31-Jan-12	2.69	<2.17	1,250	2,990	NA
	26-Oct-11	2.80	<2.17	1,260	2,500	471
	20-Jul-11	3.36	3.78	1,320	3,060	NA
	20-Apr-11	4.33	<2.17	1,300	3,280	NA
	19-Jan-11	<0.239	2.10	1,240	2,600	NA
	17-Sep-10	<2.50	<10.0	1,370	3,230	NA
	29-Jun-10	2.53	<1.0	1,290	5,950	NA
	21-Mar-10	<4.0	<1.0	1,300	3,270	NA
	9-Dec-09	<4.0	<1.0	1,400	3,290	NA
NMED Split	9-Dec-09	3.1	0.26	1,400	3,070	509
	29-Aug-09	<4.0	<2.0	1,500	3,180	NA
	14-May-09	3.0	<5.0	1,300	3,600	NA

**TABLE 3. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-09	2-Sep-15	7.22	<1.18	536	1,920	NA
	27-May-15	5.25	<1.18	508	1,920	NA
	4-Mar-15	4.01	<1.80	474	1,800	NA
	5-Dec-14	4.27	<1.80	495	1,800	NA
	28-Aug-14	5.25	<1.80	466	1,720	NA
	4-Jun-14	3.14	<1.80	440	1,580	NA
	18-Mar-14	3.44	<1.66	418	1,480	NA
	16-Dec-13	17.4	<1.66	294	1,200	NA
	30-Aug-13	12.3	2.10	454	1,800	NA
	30-May-13	9.69	<1.66	435	1,740	NA
	6-Mar-13	17.1	<1.72	494	1,840	NA
	4-Dec-12	33.1	<1.72	588	2,200	NA
	20-Aug-12	48.4	<1.72	656	2,540	NA
	10-May-12	50.9	<1.72	561	2,270	NA
	31-Jan-12	59.8	<2.17	622	2,220	NA
	26-Oct-11	77.7	<2.17	728	1,600	433
	20-Jul-11	70.2	<2.17	727	2,500	NA
	20-Apr-11	47.5	<2.17	483	1,910	NA
	19-Jan-11	42.8	2.38	745	2,600	NA
	17-Sep-10	22.6	<10.0	204	47	NA
	29-Jun-10	59.2	<5.0	667	2,240	NA
	21-Mar-10	29	<5.0	290	1,190	NA
	NMED Split	9-Dec-09	26	<5.0	300	1,190
9-Dec-09		22	1.6	228	1,170	152
29-Aug-09		46	<5.0	640	2,320	NA
13-May-09		44	<5.0	740	2,400	NA
DAD-10	3-Sep-15	6.53	<1.18	455	1,680	NA
	27-May-15	13.1	<1.18	490	1,550	NA
	4-Mar-15	13.9	<1.80	453	1,720	NA
	5-Dec-14	12.8	<1.80	461	1,720	NA
	3-Oct-14	12.5	<1.80	419	1,720	NA
	28-Aug-14	17.0	<1.80	445	1,740	NA
	9-Jun-14	6.86	<1.80	454	1,560	NA
	18-Mar-14	7.79	<1.66	475	1,620	NA
	16-Dec-13	8.34	4.90	475	1,600	NA
	5-Sep-13	6.01	3.50	451	1,480	NA
	23-May-13	5.42	<1.66	453	1,450	NA
	6-Mar-13	4.83	<1.72	468	1,620	NA
	4-Dec-12	4.33	<1.72	434	1,510	NA
	20-Aug-12	2.86	<1.72	389	2,520	NA
	10-May-12	1.52	<1.72	361	1,400	NA
	31-Jan-12	<0.500	<2.17	433	800	NA
	26-Oct-11	3.33	2.80	384	1,150	206
	20-Jul-11	2.29	<2.17	383	1,290	NA
	20-Apr-11	1.30	<2.17	411	1,340	NA
	19-Jan-11	12.7	2.10	429	1,140	NA
	17-Sep-10	2.73	<10.0	404	1,320	NA
	29-Jun-10	1.28	<1.0	390	1,360	NA
	21-Mar-10	<2.0	<1.0	420	1,380	NA
NMED Split	9-Dec-09	1.4	<1.0	460	1,360	NA
	9-Dec-09	1.5	<0.1	378	1,340	196
	29-Aug-09	1.2	<1.0	420	1,340	NA
	14-May-09	<2.0	<1.0	410	1,300	NA

**TABLE 3. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-11 Vertical Delineation (formerly 177-03)	1-Sep-15	12.4	<1.18	981	3,120	NA
	29-May-15	13.9	<1.18	990	3,070	NA
	5-Mar-15	19.7	<1.80	1,220	3,960	NA
	5-Dec-14	19.9	<1.80	1,230	3,870	NA
	3-Sep-14	11.1	<1.80	717	2,950	NA
	6-Jun-14	1.31	4.90	477	1,860	NA
	17-Mar-14	12.0	<1.66	890	3,230	NA
	16-Dec-13	15.0	2.10	1,170	3,790	NA
	9-Sep-13	13.6	2.80	1,080	3,560	NA
	29-May-13	15.7	<1.66	1,110	3,600	NA
	1-Mar-13	14.6	<1.72	1,190	3,600	NA
	3-Dec-12	13.4	<1.72	1,210	3,870	NA
	21-Aug-12	8.71	<1.72	818	3,020	NA
	14-May-12	0.791	<1.72	359	1,550	NA
	1-Feb-12	2.38	<2.17	456	1,700	NA
	27-Oct-11	<0.500	<2.17	434	1,290	215
	2-Aug-11	<0.500	<2.17	427	1,490	NA
	5-May-11	<0.500	<2.17	398	1,360	NA
	25-Jan-11	4.60	<2.05	386	1,500	NA
	21-Sep-10	3.21	<10.0	369	1,520	NA
	29-Jun-10	1.6	<1.0	430	1,610	NA
28-Apr-10	1.5	<1.0	450	1,600	NA	
20-Jan-10	1.4	<1.0	460	1,600	NA	
21-Oct-09	1.0	<1.0	430	1,600	NA	
7-Jul-09	0.80	<1.0	470	1,500	NA	
6-May-09	0.97	3.5	450	1,600	NA	
22-Jan-09	1.00	<1.0	370	1,600	NA	
DAD-12 Vertical Delineation	1-Sep-15	19.8	<1.18	759	2,950	NA
	29-May-15	14.6	<1.18	705	2,860	NA
	6-Mar-15	19.0	<1.80	625	2,860	NA
	4-Dec-14	19.0	<1.80	620	2,760	NA
	3-Sep-14	18.6	<1.80	588	2,700	NA
	9-Jun-14	19.3	<1.80	603	2,750	NA
	17-Mar-14	20.5	<1.66	621	2,890	NA
	13-Dec-13	18.5	2.10	638	2,840	NA
	10-Sep-13	18.1	2.80	557	2,950	NA
	29-May-13	18.2	<1.66	686	3,130	NA
	28-Feb-13	22.8	<1.72	688	2,820	NA
	3-Dec-12	16.4	<1.72	689	3,070	NA
	21-Aug-12	17.8	2.10	620	2,990	NA
	14-May-12	23.1	<1.72	561	2,870	NA
1-Feb-12	20.8	<2.17	614	2,670	NA	
7-Dec-11	18.8	<2.17	597	2,620	616	

**TABLE 3. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-13	1-Sep-15	9.82	<1.18	611	2,300	NA
	29-May-15	11.8	<1.18	666	2,280	NA
	6-Mar-15	6.72	<1.80	553	2,120	NA
	4-Dec-14	9.14	<1.80	581	2,160	NA
	2-Sep-14	6.51	<1.80	386	1,960	NA
	9-Jun-14	5.82	<1.80	507	2,000	NA
	17-Mar-14	6.59	<3.32	528	1,960	NA
	13-Dec-13	5.83	<1.66	546	1,940	NA
	9-Sep-13	3.42	2.80	524	1,800	NA
	29-May-13	5.00	<1.66	550	2,020	NA
	28-Feb-13	5.63	<1.72	582	1,970	NA
	3-Dec-12	5.04	<1.72	504	1,810	NA
	21-Aug-12	3.51	<1.72	420	1,900	NA
	10-May-12	8.66	<1.72	514	2,010	NA
	1-Feb-12	7.59	<2.17	537	1,960	NA
27-Oct-11	7.51	2.52	536	3,700	321	
DAD-14	1-Sep-15	32.1	<1.18	1,110	3,260	NA
	29-May-15	32.7	<1.18	1,030	3,320	NA
	5-Mar-15	30.2	<1.80	949	3,280	NA
	4-Dec-14	30.3	<1.80	933	3,200	NA
	2-Sep-14	26.7	2.10	878	3,240	NA
	6-Jun-14	29.6	<1.80	943	3,340	NA
	17-Mar-14	41.3	<1.66	1,040	3,620	NA
	13-Dec-13	31.9	<1.66	929	3,160	NA
	9-Sep-13	29.2	3.50	1,010	3,590	NA
	29-May-13	34.6	<1.66	1,030	3,520	NA
	1-Mar-13	42.0	16.8	1,130	3,730	NA
	3-Dec-12	40.3	<1.72	1,150	4,010	NA
	21-Aug-12	33.2	<1.72	919	3,340	NA
	14-May-12	28.8	<1.72	881	3,280	NA
	1-Feb-12	20.3	<2.17	861	2,880	NA
27-Oct-11	17.2	2.80	835	1,780	447	
DAD-15	1-Sep-15	4.20	<1.18	501	1,760	NA
	29-May-15	5.43	<1.18	536	1,940	NA
	6-Mar-15	5.08	<1.80	491	1,780	NA
	4-Dec-14	5.79	<1.80	508	1,730	NA
	2-Sep-14	5.97	<1.80	489	1,620	NA
	6-Jun-14	6.09	<1.80	510	1,750	NA
	2-Jan-14	4.72	2.10	497	1,780	NA
	10-Sep-13	7.56	3.50	356	1,740	NA
	29-May-13	5.29	<1.66	504	1,970	NA
	4-Mar-13	5.10	<1.72	515	1,800	NA
	4-Dec-12	4.710	<1.72	484	1,810	256
	20-Aug-12	2.370	35.00	351	1,330	256

**TABLE 3. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-16	2-Sep-15	2.72	1.40	424	1,970	NA
	29-May-15	3.30	1.40	431	2,060	NA
	5-Mar-15	1.04	<1.80	683	2,650	NA
	4-Dec-14	2.79	<1.80	679	2,220	NA
	2-Sep-14	2.44	<1.80	579	2,300	NA
	3-Jun-14	1.49	2.10	569	2,260	NA
	10-Mar-14	1.65	<1.66	573	2,100	NA
	12-Dec-13	1.28	2.10	561	2,210	NA
	9-Sep-13	0.832	4.20	538	2,260	NA
	29-May-13	1.68	<1.66	501	2,200	NA
	5-Mar-13	2.55	<1.72	674	2,670	NA
	5-Dec-12	2.420	<1.72	529	2,280	NA
	22-Aug-12	<0.0290	<1.72	472	2,000	NA
	14-May-12	0.147	<1.72	378	2,080	NA
	1-Feb-12	<0.500	<2.17	438	1,960	NA
27-Oct-11	<0.500	3.36	410	1,520	408	
DAD-17	2-Sep-15	<0.0387	<1.18	270	1,460	NA
	28-May-15	0.486	<1.18	199	1,560	NA
	5-Mar-15	0.797	<1.80	348	1,660	NA
	5-Dec-14	6.87	<1.80	451	1,820	NA
	3-Sep-14	2.48	<1.80	442	1,920	NA
	3-Jun-14	1.03	<1.80	525	2,600	NA
	11-Mar-14	3.27	<3.32	440	1,820	NA
	12-Dec-13	2.45	2.80	412	1,640	NA
	9-Sep-13	0.370	2.10	451	2,340	NA
	24-May-13	0.827	<1.66	317	1,400	NA
	5-Mar-13	2.06	<1.72	351	1,550	NA
	5-Dec-12	2.28	<1.72	230	1,260	NA
	22-Aug-12	<0.0290	<1.72	189	930	NA
	10-May-12	<0.114	<1.72	353	1,580	NA
	1-Feb-12	<0.500	3.36	113	714	NA
26-Oct-11	<0.500	3.50	175	724	186	
DAD-18 Vertical Delineation	2-Sep-15	8.47	3.50	741	2,960	NA
	28-May-15	9.86	1.40	825	2,940	NA
	5-Mar-15	10.0	<1.80	736	2,930	NA
	5-Dec-14	19.3	<1.80	623	2,780	NA
	3-Sep-14	12.1	<1.80	713	2,960	NA
	3-Jun-14	13.2	<1.80	749	2,760	NA
	11-Mar-14	12.8	<1.66	739	2,880	NA
	12-Dec-13	11.8	2.10	719	2,840	NA
	9-Sep-13	10.9	2.80	697	3,040	NA
	29-May-13	11.9	<1.66	734	3,020	NA
	5-Mar-13	11.2	<1.72	712	2,700	NA
	5-Dec-12	10.10	<1.72	643	2,690	NA
	22-Aug-12	9.03	4.62	642	2,790	NA
	10-May-12	9.11	<1.72	558	2,700	NA
	1-Feb-12	9.62	<2.17	629	2,470	NA
7-Dec-11	9.21	<2.17	639	2,670	495	

**TABLE 3. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)	
DAD-19 Vertical Delineation	2-Sep-15	36.9	<1.18	1,000	3,260	NA	
	28-May-15	43.6	<1.18	994	3,240	NA	
	6-Mar-15	46.2	<1.80	966	3,160	NA	
	5-Dec-14	10.7	<1.80	782	2,670	NA	
	3-Sep-14	41.0	<1.80	899	3,240	NA	
	4-Jun-14	54.3	<1.80	914	3,220	NA	
	18-Mar-14	50.3	<1.66	861	3,130	NA	
	12-Dec-13	48.9	2.10	930	3,240	NA	
	9-Sep-13	54.6	<1.66	1,260	3,270	NA	
	30-May-13	71.3	<1.66	951	3,560	NA	
	4-Mar-13	69.1	<1.72	986	3,430	NA	
	5-Dec-12	54.2	<1.72	851	3,230	NA	
	21-Aug-12	59.2	<1.72	843	3,470	NA	
	10-May-12	54.8	<1.72	835	3,460	NA	
	1-Feb-12	59.8	<2.17	913	2,950	NA	
7-Dec-11	47.4	<2.17	789	3,070	544		
DAD-20	2-Sep-15	21.0	<1.18	817	2,400	NA	
	27-May-15	20.2	<1.18	905	2,460	NA	
	4-Mar-15	20.4	<1.80	784	2,340	NA	
	4-Dec-14	20.8	<1.80	806	2,240	NA	
	28-Aug-14	19.3	<1.80	603	2,400	NA	
	9-Jun-14	20.4	<1.80	773	2,470	NA	
	18-Mar-14	20.6	<1.66	665	2,120	NA	
	16-Dec-13	20.2	2.10	732	2,140	NA	
	5-Sep-13	19.2	5.60	808	2,870	NA	
	23-May-13	25.2	<1.66	707	2,320	NA	
	6-Mar-13	29.5	<1.72	710	2,280	NA	
	4-Dec-12	17.0	<1.72	704	2,350	NA	
	10-May-12	Obstruction in Well					
	31-Jan-12	21.2	<2.17	568	1,000	NA	
7-Dec-11	16.1	<2.17	611	2,020	383		
DAD-21	2-Sep-15	4.27	1.40	720	2,100	NA	
	27-May-15	6.44	<1.18	609	1,910	NA	
	4-Mar-15	5.95	<1.80	487	1,850	NA	
	4-Dec-14	5.03	<1.80	465	1,760	NA	
	28-Aug-14	13.0	<1.80	520	2,080	NA	
	4-Jun-14	15.0	<1.80	532	2,180	NA	
	18-Mar-14	18.1	<1.66	592	2,140	NA	
	16-Dec-13	16.9	<1.66	568	1,890	NA	
	5-Sep-13	12.0	4.20	583	1,990	NA	
	24-May-13	6.73	<1.66	509	1,960	NA	
	6-Mar-13	5.76	<1.72	516	1,910	NA	
	4-Dec-12	3.47	<1.72	445	1,720	NA	
	20-Aug-12	3.45	<1.72	409	1,660	NA	
	10-May-12	1.16	<1.72	364	2,840	NA	
	31-Jan-12	6.79	2.94	475	1,620	NA	
7-Dec-11	2.14	<2.17	396	1,600	219		

**TABLE 3. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-22	2-Sep-15	6.35	<1.18	948	2,500	NA
	27-May-15	6.56	<1.18	920	2,520	NA
	3-Mar-15	6.22	<1.80	884	2,400	NA
	3-Dec-14	6.52	<1.80	915	2,480	NA
	28-Aug-14	6.60	<1.80	810	2,420	NA
	6-Jun-14	6.80	<1.80	906	2,480	NA
	18-Mar-14	6.38	<1.66	846	2,420	NA
	13-Dec-13	6.35	<1.66	909	2,440	NA
	5-Sep-13	Did Not Contain Enough Water to Sample				
	24-May-13	9.29	<1.66	920	2,580	NA
	6-Mar-13	8.25	<1.72	909	2,610	NA
	4-Dec-12	12.0	<1.72	886	2,740	NA
	20-Aug-12	15.3	2.10	878	2,280	NA
	10-May-12	18.3	<1.72	818	1,580	NA
	1-Feb-12	23.6	<2.17	908	3,000	NA
26-Oct-11	29.5	2.52	781	3,860	494	
NMWQCC Standard		10	NA	250	1,000	600
<p>NOTES: Shading indicates exceedence of NMWQCC standard NA = Not analyzed ND = Non detect NMWQCC = New Mexico Water Quality Control Commission TDS = Total dissolved solids TKN = Total Kjeldahl Nitrogen DAD-03 (6-29-10) Roots in sample may have resulted in a measured TKN result.</p>						

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
Northern Area					
Northern Land Application Area					
70-03	19-Aug-15	47.4	<1.18	2,510	6,760
	12-May-15	47.0	1.40	3,060	7,900
	10-Feb-15	34.8	<1.80	744	6,140
	14-Nov-14	49.1	<1.80	2,530	6,360
	20-Aug-14	49.8	<1.80	2,590	7,000
	15-May-14	48.6	<1.80	2,580	6,880
	19-Feb-14	57.1	<1.66	3,400	8,380
	14-Nov-13	45.4	3.50	2,680	6,800
	9-Aug-13	48.7	3.50	2,740	6,890
	9-May-13	58.4	<1.66	3,290	9,200
	13-Feb-13	59.1	<1.72	3,400	8,440
	7-Nov-12	49.5	<1.72	2,850	7,950
	7-Aug-12	45.3	2.94	2,440	6,700
	25-Apr-12	53.1	5.60	2,540	6,550
	2-Feb-12	67.6	<2.17	2,840	7,480
	7-Nov-11	61.6	<2.17	3,270	7,910
	3-Aug-11	63.1	2.80	3,140	8,040
	21-Apr-11	58.9	<2.17	3,130	8,040
	27-Jan-11	71.2	3.36	3,140	7,580
	22-Sep-10	62.8	<10.0	2,940	7,840
	30-Jun-10	57	<1.0	2,200	5,720
	26-Mar-10	29.6	ND	2,160	5,180
	15-Dec-09	27.1	ND	2,199	5,462
2-Sep-09	25.4	ND	2,149	5,570	
4-Jun-09	18.6	ND	1,999	5,518	
4-Mar-09	35.5	ND	2,074	5,418	
70/86/340-01	20-Aug-15	8.66	2.80	1,790	4,860
	11-May-15	8.19	<1.18	1,780	4,780
	9-Feb-15	8.79	<1.80	1,620	4,840
	12-Nov-14	15.6	<1.80	2,090	6,320
	15-Aug-14	15.3	<1.80	1,730	5,780
	11-Nov-13	6.65	4.90	1,760	4,780
	8-Aug-13	15.1	3.50	2,190	6,920
	9-May-13	15.1	<1.66	1,930	6,650
	13-Feb-13	16.6	<1.72	2,170	6,660
	5-Nov-12	12.7	<1.72	2,120	4,940
	6-Aug-12	17.1	<1.72	1,870	6,400
	25-Apr-12	11.8	<1.72	1,620	4,280
	2-Feb-12	20.0	8.12	1,750	5,440
	7-Nov-11	25.5	4.76	1,970	5,920
	25-Jul-11	31.0	2.24	1,800	5,500
	21-Apr-11	35.0	<2.17	1,780	5,420
	27-Jan-11	53.5	<2.17	1,370	4,420
	22-Sep-10	39.8	<10.0	1,130	4,000
	30-Jun-10	52	<1.0	1,300	4,090
	26-Mar-10	53	ND	1,200	3,616
	15-Dec-09	64	ND	1,080	3,408
	2-Sep-09	50	ND	1,100	3,610
	4-Jun-09	28	ND	1,410	4,340
4-Mar-09	39.3	ND	1,150	3,820	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
86/340-01	20-Aug-15	11.7	<1.18	416	2,150
	11-May-15	12.4	<1.18	450	2,240
	9-Feb-15	10.8	<1.80	410	2,120
	11-Nov-14	11.3	<1.80	398	2,180
	15-Aug-14	11.6	<1.80	400	2,300
	14-May-14	15.4	<1.80	500	2,380
	18-Feb-14	12.4	<1.66	460	2,370
	11-Nov-13	12.2	7.00	641	2,940
	8-Aug-13	12.1	2.10	720	3,230
	9-May-13	12.3	<1.66	603	3,020
	13-Feb-13	12.2	<1.72	571	2,780
	5-Nov-12	12.1	<1.72	638	2,860
	6-Aug-12	11.6	<1.72	708	3,410
	25-Apr-12	12.1	<1.72	641	2,480
	2-Feb-12	12.3	<2.17	655	2,960
	7-Nov-11	11.6	3.08	593	2,910
	25-Jul-11	10.2	<2.17	582	2,500
	21-Apr-11	10.4	<2.17	512	2,660
	27-Jan-11	7.99	<2.17	419	2,040
	22-Sep-10	11.8	<10.0	331	2,060
	30-Jun-10	13	<1.0	410	2,190
	26-Mar-10	9.2	0.7	690	2,656
	29-Jan-10	8.6	ND	530	2,258
2-Sep-09	8.8	ND	510	2,232	
4-Jun-09	5.2	1.12	640	2,582	
4-Mar-09	11.9	ND	675	2,674	
Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)					
126-04	17-Aug-15	18.4	<1.18	573	2,490
	13-May-15	17.9	4.20	575	2,560
	11-Feb-15	17.1	<1.80	572	2,450
	12-Nov-14	16.4	7.70	556	2,400
	18-Aug-14	15.1	<1.80	536	2,590
	15-May-14	17.4	16.1	514	2,200
	20-Feb-14	17.1	<1.66	564	2,410
	13-Nov-13	16.7	9.10	567	2,240
	12-Aug-13	15.3	18.2	511	2,170
	10-May-13	15.1	<1.66	499	2,310
	12-Feb-13	18.5	<1.72	614	2,640
	7-Nov-12	16.0	3.50	572	2,500
	7-Aug-12	15.9	2.10	568	2,370
	30-Apr-12	15.7	<1.72	539	2,310
	26-Jan-12	17.4	<2.17	560	1,700
	7-Nov-11	18.2	3.92	581	2,470
	3-Aug-11	18.2	6.44	559	2,460
	22-Apr-11	18.0	5.74	594	2,500
	26-Jan-11	11.1	<2.17	570	2,380
	21-Sep-10	20.5	<10.0	542	2,460
	30-Jun-10	21	<5.0	490	2,160
	25-Mar-10	14.9	0.56	530	1,964
	15-Dec-09	11.5	ND	550	1,974
2-Sep-09	9	ND	530	2,028	
4-Jun-09	5.81	ND	550	2,084	
5-Mar-09	14.1	ND	525	2,122	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
126-05	17-Aug-15	18.8	<1.18	627	2,860
	12-May-15	17.6	2.10	670	3,000
	11-Feb-15	28.8	<1.80	713	3,470
	12-Nov-14	19.2	5.60	746	3,500
	18-Aug-14	16.4	<1.80	575	3,080
	15-May-14	23.0	4.90	637	2,960
	20-Feb-14	27.1	<1.66	643	3,140
	13-Nov-13	30.3	4.20	648	3,100
	12-Aug-13	33.9	4.20	594	2,920
	10-May-13	39.0	<1.66	635	3,060
	12-Feb-13	34.2	<1.72	618	3,180
	7-Nov-12	29.2	<1.72	548	2,890
	7-Aug-12	30.8	2.10	548	2,860
	30-Apr-12	28.6	2.38	530	2,840
	26-Jan-12	30.1	<2.17	546	2,520
	4-Nov-11	31.2	<2.17	543	3,510
	4-Aug-11	29.5	4.20	525	2,540
	22-Apr-11	28.0	2.80	615	2,800
	26-Jan-11	25.2	3.64	553	2,870
	21-Sep-10	22.3	<10.0	504	2,240
	30-Jun-10	24	<5.0	540	2,750
	25-Mar-10	13.5	ND	640	2,736
	15-Dec-09	16.6	ND	630	2,554
2-Sep-09	12.8	1.4	580	2,566	
4-Jun-09	10.1	ND	600	2,640	
5-Mar-09	19.9	1.03	610	2,828	
126-07	17-Aug-15	23.0	<1.18	559	2,610
	13-May-15	17.9	4.20	575	2,560
	11-Feb-15	24.0	<1.80	546	2,590
	12-Nov-14	23.4	<1.80	586	2,710
	18-Aug-14	21.8	<1.80	565	2,510
	16-May-14	24.8	4.90	583	2,170
	20-Feb-14	25.6	<1.66	615	2,490
	13-Nov-13	24.1	4.20	615	2,330
	12-Aug-13	23.5	5.60	586	2,410
	10-May-13	20.2	<1.66	573	2,620
	12-Feb-13	21.2	<1.72	648	2,740
	7-Nov-12	19.8	<1.72	629	2,870
	7-Aug-12	19.5	2.10	650	2,610
	30-Apr-12	18.8	<1.72	605	2,710
	26-Jan-12	18.8	2.24	666	2,790
	4-Nov-11	19.8	<2.17	668	2,270
	4-Aug-11	19.1	2.24	666	1,410
	22-Apr-11	21.2	<2.17	704	3,110
	27-Jan-11	22.4	<2.17	662	2,670
	21-Sep-10	24.9	<10.0	700	2,800
	30-Jun-10	26	<5.0	760	2,780
	25-Mar-10	12.1	ND	610	2,238
	15-Dec-09	13.8	ND	720	2,412
2-Sep-09	10.9	ND	820	2,716	
4-Jun-09	19.0	ND	810	2,468	
5-Mar-09	16.8	ND	605	2,230	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
126-09	17-Aug-15	1.40	<1.18	880	2,850
	13-May-15	2.34	<1.18	873	2,500
	11-Feb-15	2.18	<1.80	798	2,740
	13-Nov-14	2.42	<1.80	842	2,500
	18-Aug-14	2.25	<1.80	832	2,840
	15-May-14	2.52	<1.80	893	2,690
	20-Feb-14	2.12	<1.66	911	2,720
	13-Nov-13	2.25	4.20	919	2,710
	12-Aug-13	2.13	5.60	937	2,710
	10-May-13	2.25	<1.66	898	3,300
	12-Feb-13	2.50	<1.72	991	3,090
	7-Nov-12	2.53	<1.72	984	2,980
	7-Aug-12	2.69	2.10	962	3,050
	30-Apr-12	2.28	5.04	978	2,900
	26-Jan-12	3.93	7.00	1,100	3,180
	7-Nov-11	3.30	5.6	1,130	3,470
	4-Aug-11	3.19	<2.17	1,100	3,180
	22-Apr-11	3.31	<2.17	1,120	2,730
	22-Sep-10	2.50	<10.0	1110	3,320
	30-Jun-10	Not Sampled			
25-Mar-10					
15-Dec-09					
2-Sep-09					
4-Jun-09					
5-Mar-09					
126-12	17-Aug-15	3.49	10.5	407	2,240
	12-May-15	2.43	11.2	393	2,120
	10-Feb-15	<0.0137	29.4	632	2,190
	13-Nov-14	2.57	2.80	409	2,160
	18-Aug-14	16.5	<1.80	384	2,220
	15-May-14	15.4	2.10	404	2,250
	20-Feb-14	13.6	2.10	404	2,370
	13-Nov-13	15.7	3.50	401	2,360
	12-Aug-13	17.0	4.20	434	2,400
	10-May-13	16.2	2.10	398	2,380
	12-Feb-13	18.8	<1.72	421	2,480
	7-Nov-12	19.2	<1.72	407	2,490
	7-Aug-12	17.5	<1.72	410	2,460
	30-Apr-12	12.9	1.96	401	2,270
	14-Feb-12	12.5	4.20	418	2,340
	4-Nov-11	13.3	<2.17	430	2,600
	4-Aug-11	13.6	<2.17	449	2,580
	22-Apr-11	13.2	<2.17	461	2,530
	27-Jan-11	12.2	<2.17	453	2,280
	22-Sep-10	12.6	<10.0	446	2,430
30-Jun-10	15	<2.0	500	2,610	
25-Mar-10	8.9	ND	550	2,260	
15-Dec-09	8.7	ND	540	2,296	
2-Sep-09	12.8	0.56	530	2,336	
4-Jun-09	4.08	0.84	530	2,322	
5-Mar-09	11	ND	475	2,320	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
126-13	17-Aug-15	33.3	<1.18	876	3,100
	12-May-15	40.8	1.40	877	3,210
	10-Feb-15	34.7	2.80	776	2,770
	12-Nov-14	33.9	<1.80	801	2,940
	18-Aug-14	38.2	<1.80	809	3,160
	15-May-14	49.5	<1.80	841	3,010
	20-Feb-14	29.9	<1.66	769	2,780
	13-Nov-13	28.0	2.80	655	2,980
	12-Aug-13	26.8	3.50	780	2,800
	10-May-13	34.1	<1.66	385	3,160
	12-Feb-13	33.7	<1.72	735	2,840
	7-Nov-12	23.8	2.10	751	3,090
	7-Aug-12	26.1	2.10	779	2,860
	30-Apr-12	43.8	<1.72	784	3,120
	26-Jan-12	27.5	<2.17	735	2,800
	7-Nov-11	21.9	<2.17	735	3,060
	4-Aug-11	21.4	<2.17	735	2,840
	22-Apr-11	21.7	<2.17	754	2,640
	26-Jan-11	22.8	<2.17	768	3,130
	22-Sep-10	23.1	<10.0	750	2,850
	30-Jun-10	26	<5.0	810	3,000
	25-Mar-10	10.3	ND	940	2,740
	15-Dec-09	14.3	ND	910	2,832
2-Sep-09	12.8	ND	840	2,746	
4-Jun-09	16.3	ND	970	2,768	
5-Mar-09	19.4	ND	845	2,800	
Mountain View Dairy					
70-01	19-Aug-15	34.5	5.60	812	2,660
	12-May-15	23.2	9.10	597	2,520
	10-Feb-15	22.5	10.5	594	2,560
	17-Nov-14	22.0	<1.80	621	2,620
	20-Aug-14	22.5	<1.80	596	2,610
	15-May-14	23.3	2.10	632	2,540
	19-Feb-14	22.6	<1.66	616	2,620
	14-Nov-13	22.3	3.50	510	2,620
	8-Aug-13	22.8	2.80	638	2,670
	9-May-13	22.4	<1.66	616	2,740
	13-Feb-13	24.7	<1.72	655	2,680
	7-Nov-12	21.2	<1.72	636	2,700
	7-Aug-12	21.4	2.10	637	2,700
	25-Apr-12	21.7	<1.72	659	2,490
	2-Feb-12	21.5	2.94	633	2,530
	7-Nov-11	21.1	5.18	622	1,860
	3-Aug-11	20.7	2.8	641	2,630
	22-Apr-11	22.7	22.4	646	2,760
	27-Jan-11	22.5	2.94	650	2,500
	22-Sep-10	19.3	12.3	617	2,610
	30-Jun-10	27	<1.0	600	2,400
	25-Mar-10	14.5	ND	670	2,096
	15-Dec-09	17.1	ND	640	2,218
1-Sep-09	8.4	ND	630	2,244	
2-Jun-09	9.35	ND	640	2,112	
4-Mar-09	20.8	ND	610	2,254	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
70-02	19-Aug-15	35.7	<1.18	761	3,320
	12-May-15	36.3	3.50	791	3,810
	10-Feb-15	37.6	<1.80	770	3,200
	17-Nov-14	37.4	<1.80	793	3,180
	20-Aug-14	35.8	<1.80	766	3,160
	14-May-14	37.0	<1.80	781	3,220
	19-Feb-14	36.9	<1.66	793	3,160
	14-Nov-13	36.1	4.90	837	3,200
	9-Aug-13	20.9	29.4	815	2,890
	9-May-13	37.4	<1.66	790	3,260
	13-Feb-13	38.1	<1.72	841	3,160
	7-Nov-12	36.2	<1.72	820	3,300
	7-Aug-12	36.3	3.78	826	3,260
	25-Apr-12	37.9	<1.72	749	2,260
	2-Feb-12	37.5	<2.17	829	3,160
	7-Nov-11	37.7	<2.17	828	2,790
	4-Aug-11	36.8	5.04	798	3,160
	22-Apr-11	38.1	8.40	836	3,220
	27-Jan-11	44.2	6.02	863	3,390
	22-Sep-10	32.2	<10.0	829	3,070
	30-Jun-10	46	< 1.0	860	3,170
	25-Mar-10	19.6	ND	930	3,076
	15-Dec-09	18.3	ND	960	3,012
	9-Jan-09	21.4	ND	970	3,148
2-Jun-09	17.8	ND	920	3,084	
4-Mar-09	35.8	ND	940	3,104	
70-04	19-Aug-15	29.4	<1.18	561	2,820
	12-May-15	27.5	1.40	579	2,860
	10-Feb-15	27.0	<1.80	561	2,580
	17-Nov-14	20.2	<1.80	375	2,720
	20-Aug-14	24.4	<1.80	577	2,950
	15-May-14	24.6	<1.80	610	2,630
	19-Feb-14	22.3	<1.66	607	2,580
	14-Nov-13	21.0	2.80	649	2,630
	9-Aug-13	21.7	4.20	636	2,780
	9-May-13	23.0	<1.66	630	3,510
	11-Jan-13	19.5	<1.72	613	6,200
Buena Vista Dairy I					
86-01	26-Jan-11	95.4	16.0	2,300	6,240
	20-Sep-10	86.9	<10.0	2,330	6,500
	29-Jun-10	67	<1.0	1,800	5,010
	25-Mar-10	27.0	0.28	1,770	4,814
	15-Dec-09	29.8	ND	1,750	4,670
	1-Sep-09	26.1	ND	1,510	4,474
	2-Jun-09	46.5	4.76	1,590	4,464
	4-Mar-09	42	ND	1,659	4,850
86-02	26-Jan-11	23.4	2.24	641	3,110
	20-Sep-10	24.1	<10.0	613	2,980
	29-Jun-10	21	1.1	660	3,020
	25-Mar-10	16.2	0.7	740	2,740
	15-Dec-09	10.7	0.28	730	2,818
	1-Sep-09	7.2	ND	710	2,824
	2-Jun-09	2.95	ND	700	2,802
	4-Mar-09	16.4	ND	625	2,666

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
Bright Star Dairy					
340-01	20-Aug-15	34.9	<1.18	486	3,080
	11-May-15	41.8	<1.18	437	3,680
	19-Feb-15	50.0	<1.80	339	2,780
	12-Nov-14	49.9	<1.80	337	2,630
	15-Aug-14	37.9	<1.80	383	2,800
	14-May-14	27.4	<1.80	608	2,770
	20-Feb-14	29.1	2.80	564	2,800
	11-Nov-13	29.2	3.50	600	2,800
	8-Aug-13	28.6	4.90	694	2,000
	9-May-13	31.1	<1.66	577	3,700
	13-Feb-13	27.0	<1.72	711	3,340
	5-Nov-12	23.8	<1.72	855	3,180
	6-Aug-12	22.7	<1.72	694	3,380
	25-Apr-12	26.3	61.0	681	2,540
	2-Feb-12	27.4	<2.17	661	2,780
	4-Nov-11	26.6	4.34	691	2,910
	25-Jul-11	28.3	4.20	747	2,830
	27-Jan-11	31.1	3.50	578	2,840
	21-Sep-10	24.8	<10.0	513	3,070
	29-Jun-10	29	<0.10	610	2,810
	24-Mar-10	18.8	ND	580	2,508
	15-Dec-09	13.1	ND	650	2,608
	1-Sep-09	12.20	ND	530	2,522
2-Jun-09	8.67	ND	590	2,434	
4-Mar-09	28.3	ND	530	2,516	
340-02	20-Aug-15	83.0	<1.18	782	3,210
	11-May-15	83.6	<1.18	802	3,100
	9-Feb-15	91.2	<1.80	809	3,340
	12-Nov-14	90.1	<1.80	807	3,320
	15-Aug-14	84.4	<1.80	772	3,420
	14-May-14	84.6	<1.80	793	3,130
	20-Feb-14	86.8	<1.66	806	3,080
	11-Nov-13	87.0	3.50	807	3,160
	8-Aug-13	80.2	4.90	794	3,180
	9-May-13	74.6	<1.66	744	3,180
	13-Feb-13	81.6	<1.72	805	3,550
	5-Nov-12	73.8	4.90	923	3,220
	6-Aug-12	74.0	<1.72	749	3,380
	25-Apr-12	69.8	6.16	727	2,890
	4-Nov-11	75.0	5.74	755	3,620
	22-Jul-11	84.8	7.98	777	2,970
	27-Jan-11	94.1	2.24	760	3,500
	21-Sep-10	92.2	<10.0	778	3,260
	29-Jun-10	87	<0.10	850	3,180
	24-Mar-10	95	ND	930	3,070
	15-Dec-09	82	ND	910	3,072
	1-Sep-09	94	ND	890	3,072
	2-Jun-09	43.2	ND	880	2,954
4-Mar-09	41.5	ND	885	3,098	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
Former D&J Dairy (Dominguez 2)					
42-02	26-Aug-15	6.38	5.60	492	2,540
	18-May-15	6.92	5.60	482	2,360
	26-Feb-15	7.61	6.30	483	2,580
	18-Nov-14	8.21	<1.80	461	2,400
	26-Aug-14	7.62	<1.80	477	2,350
	21-May-14	10.2	2.10	498	2,460
	26-Feb-14	9.28	<1.66	469	2,180
	26-Nov-13	9.62	2.10	490	2,260
	20-Aug-13	14.5	4.90	459	2,360
	14-May-13	12.0	<1.66	432	2,220
	15-Feb-13	17.6	<1.72	457	2,360
	09-Nov-12	8.99	<1.72	412	2,180
	08-Aug-12	7.73	<1.72	400	1,830
	01-May-12	22.5	<1.72	431	2,210
	16-Feb-12	24.5	<2.17	465	2,770
	09-Nov-11	21.2	3.08	449	2,170
	02-Aug-11	20.5	2.38	424	2,360
	25-Apr-11	29.1	<2.17	365	2,140
	28-Jan-11	22.7	6.72	408	2,150
	1-Oct-10	21.0	<10.0	355	2,010
27-Jun-10	27	<5.0	360	2,220	
6-Mar-10	31.3	<0.3	380	2,145	
16-Jan-10	25.7	0.3	350	2,090	
15-Sep-09	24.6	0.9	350	2,075	
3-Jun-09	30.6	0.6	320	2,045	
14-Mar-09	29.6	0.7	370	2,115	
42-03	26-Aug-15	74.7	<1.18	1,040	3,820
	18-May-15	86.9	2.1	1,010	3,470
	27-Feb-15	68.6	<1.80	1,020	3,630
	18-Nov-14	73.2	16.1	1,040	3,560
	26-Aug-14	78.0	<1.80	891	3,360
	21-May-14	62.6	<1.80	1,100	3,720
	26-Feb-14	62.8	<1.66	1,070	3,160
	26-Nov-13	62.9	2.80	1,090	3,660
	15-Aug-13	67.5	17.5	1,090	3,560
	14-May-13	59.6	<1.66	1,150	3,800
	15-Feb-13	60.3	<1.72	1,140	3,800
	9-Nov-12	56.2	<1.72	1,120	3,800
	8-Aug-12	71.1	<1.72	1,370	3,520
	1-May-12	51.5	<1.72	1,030	3,620
	16-Feb-12	51.3	<2.17	1,130	3,760
	9-Nov-11	58.9	2.80	1,000	3,660
	1-Aug-11	59.2	<2.17	1,030	3,720
	25-Apr-11	58.8	<2.17	1,080	3,620
	28-Jan-11	69.5	3.78	1,160	3,690
	1-Oct-10	63.0	<10.0	1,090	3,640
27-Jun-10	49	<5.0	1,100	3,780	
6-Mar-10	39.6	<0.3	1,180	3,935	
16-Jan-10	43.3	<0.3	1,200	3,800	
15-Sep-09	52.3	0.3	1,130	3,765	
3-Jun-09	48.2	0.3	1,240	3,860	
14-Mar-09	32.2	<0.2	1,240	3,800	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-06	26-Aug-15	80.7	<1.18	391	2,680
	18-May-15	90.6	2.80	373	2,160
	26-Feb-15	78.0	2.80	323	2,100
	18-Nov-14	94.6	<1.80	302	2,160
	13-Aug-14	83.6	<1.80	302	2,220
	21-May-14	87.9	2.80	395	2,440
	26-Feb-14	59.3	<1.66	417	2,380
	26-Nov-13	76.3	2.10	397	2,270
	20-Aug-13	95.1	4.90	432	2,580
	14-May-13	86.5	<1.66	413	2,390
	15-Feb-13	82.9	<1.72	457	2,430
	9-Nov-12	75.9	<1.72	478	2,570
	8-Aug-12	81.5	1.82	484	2,475
	1-May-12	87.0	1.96	720	2,920
	16-Feb-12	92.4	<2.17	630	3,100
	9-Nov-11	101	<2.17	617	3,000
	2-Aug-11	88.6	3.22	525	2,980
	25-Apr-11	72.2	<2.17	454	2,500
	28-Jan-11	69.8	4.20	421	2,780
	1-Oct-10	113	<10.0	497	2,660
	27-Jun-10	46	<5.0	400	2,550
	6-Mar-10	43.1	<0.3	480	2,510
	16-Jan-10	44.2	0.3	1,150	2,600
	14-Sep-09	54.8	0.4	450	2,600
3-Jun-09	0.02	<0.2	1,240	3,780	
14-Mar-09	49.7	0.2	480	2,540	
42-07	26-Aug-15			Dry	
	18-May-15			Dry	
	26-Feb-15			Dry	
	18-Nov-14			Dry	
	26-Aug-14			Dry	
	22-May-14			Dry	
	26-Feb-14			Dry	
	26-Nov-13			Dry	
	15-Aug-13			Dry	
	14-May-13			Dry	
	15-Feb-13			Dry	
	9-Nov-12			Dry	
	8-Aug-12			Dry	
	1-May-12			Dry	
	16-Feb-12			Dry	
	9-Nov-11	57.9	<2.17	1,090	3,450
	2-Aug-11			Dry	
	25-Apr-11	68.5	<2.17	1,230	4,080
	28-Jan-11	88.3	4.48	1,130	4,180
	1-Oct-10	92.0	<40.0	1,390	4,260
	27-Jun-10	63	<5.0	1,400	4,330
	6-Mar-10	63.1	<0.3	1,490	4,345
	16-Jan-10	59.6	<0.3	1,480	4,275
	15-Sep-09	66.6	<0.3	1,290	4,195
3-Jun-09	57.4	<0.2	1,550	4,225	
14-Mar-09	43.7	<0.2	1,500	4,110	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-08	26-Aug-15	37.4	<1.18	89.6	1640
	18-May-15	Not Sampled - insufficient water to sample			
	26-Feb-15	44.9	<1.80	85.7	1,400
	18-Nov-14	47.3	<1.80	117	1,440
	26-Aug-14	36.1	<1.80	159	1,500
	21-May-14	33.1	<1.80	149	1,470
	26-Feb-14	32.6	<1.66	251	1,790
	26-Nov-13	30.8	2.10	275	1,780
	20-Aug-13	30.3	6.30	292	2,000
	14-May-13	29.9	<1.66	259	1,880
	15-Feb-13	31.8	<1.72	284	1,860
	9-Nov-12	30.4	<1.72	283	1,930
	8-Aug-12	36.4	<1.72	307	1,938
	1-May-12	36.0	<1.72	246	1,700
	16-Feb-12	37.0	<2.17	254	1,850
	9-Nov-11	40.0	<2.17	269	1,770
	2-Aug-11	41.3	2.38	253	2,030
	25-Apr-11	51.4	2.66	201	1,970
	28-Jan-11	46.2	5.46	219	2,020
	1-Oct-10	49.0	<10.0	288	2,160
	27-Jun-10	75	<5.0	300	2,220
	6-Mar-10	76.8	<0.3	365	2,290
	16-Jan-10	82.8	<0.3	350	2,315
15-Sep-09	87.1	0.7	410	2,340	
3-Jun-09	65.8	0.8	380	2,175	
14-Mar-09	43.2	0.4	400	2,220	
42-09	26-Aug-15	57.1	<1.18	712	3,020
	18-May-15	58.0	<1.18	733	3,050
	26-Feb-15	69.8	<1.80	673	2,960
	18-Nov-14	46.4	<1.80	722	3,000
	26-Aug-14	46.5	<1.80	674	3,000
	22-May-14	59.3	<1.80	699	3,060
	26-Feb-14	53.5	<1.66	715	3,030
	26-Nov-13	51.2	2.80	731	3,030
	15-Aug-13	56.1	37.8	725	3,010
	14-May-13	51.6	<1.66	717	3,200
	15-Feb-13	47.0	<1.72	653	2,870
	9-Nov-12	48.4	<1.72	641	3,030
	8-Aug-12	49.5	<1.72	597	2,475
	1-May-12	50.3	<1.72	542	2,820
	16-Feb-12	50.7	<2.17	627	2,920
	9-Nov-11	47.8	<2.17	591	1,810
	1-Aug-11	55.0	<2.17	579	2,750
	25-Apr-11	65.8	<2.17	664	2,820
	28-Jan-11	44.9	<2.17	537	2,940
	28-Sep-10	38.0	<10.0	591	2,760
	27-Jun-10	68	<5.0	610	3,010
	6-Mar-10	NS	NS	NS	NS
	16-Jan-10	52.8	<0.3	690	2,970
15-Sep-09	68.8	0.7	650	3,000	
3-Jun-09	66.5	0.7	690	3,000	
14-Mar-09	59.5	0.4	700	3,050	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-10	25-Aug-15	<0.194	<1.18	436	1,440
	18-May-15	1.07	<1.18	471	1,360
	27-Feb-15	0.947	<1.80	439	1,520
	19-Nov-14	1.08	11.9	441	1,340
	26-Aug-14	1.08	<1.80	410	1,340
	22-May-14	1.25	<1.80	457	1,420
	26-Feb-14	0.982	<1.66	416	1,400
	26-Nov-13	1.10	2.10	435	1,420
	20-Aug-13	0.991	9.10	423	1,540
	14-May-13	0.976	<1.66	395	1,400
	15-Feb-13	<0.246	<1.72	415	1,380
	9-Nov-12	<0.0290	<1.72	397	1,350
	8-Aug-12	0.186	<1.72	403	1,328
	1-May-12	0.236	<1.72	363	1,260
	16-Feb-12	<0.500	<2.17	419	1,440
	8-Nov-11	<0.500	<2.17	425	1,510
	2-Aug-11	<0.500	<2.17	469	1,540
	25-Apr-11	<0.500	<2.17	453	1,500
	28-Jan-11	2.15	<2.17	345	1,280
	1-Oct-10	0.220	<10.0	360	1,450
	27-Jun-10	<0.50	<1.0	420	1,490
	6-Mar-10	0.23	<0.3	440	1,500
	16-Jan-10	<0.03	<0.3	430	1,435
	15-Sep-09	0.16	<0.3	400	1,425
3-Jun-09	0.21	<0.2	450	1,535	
14-Mar-09	0.02	<0.2	480	1,480	
42-11	25-Aug-15	1.00	<1.18	302	1,160
	18-May-15	1.79	<1.18	308	1,100
	27-Feb-15	1.66	<1.80	300	1,160
	19-Nov-14	1.83	2.10	316	1,170
	27-Aug-14	1.78	6.30	295	1,200
	22-May-14	1.87	<1.80	312	1,120
	26-Feb-14	1.44	<1.66	339	1,280
	26-Nov-13	1.43	2.80	344	1,260
	20-Aug-13	1.50	2.80	334	1,280
	14-May-13	1.78	<1.66	303	1,220
	15-Feb-13	1.64	<1.72	327	1,210
	9-Nov-12	<0.0290	<1.72	315	1,230
	8-Aug-12	1.21	<1.72	308	1,182
	1-May-12	1.24	<1.72	274	1,160
	16-Feb-12	<0.500	<2.17	337	1,240
	8-Nov-11	1.97	<2.17	334	1,480
	2-Aug-11	3.07	<2.17	308	1,160
	25-Apr-11	3.45	<2.17	304	795
	28-Jan-11	0.47	2.38	285	1,300
	1-Oct-10	0.62	<10.0	300	1,250
	27-Jun-10	3.90	<1.0	290	1,080
	6-Mar-10	0.51	<0.3	370	1,300
	16-Jan-10	0.03	<0.3	370	1,325
	15-Sep-09	0.41	<0.3	320	1,245
3-Jun-09	3.00	0.70	300	1,080	
14-Mar-09	0.90	<0.2	310	1,225	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-12	25-Aug-15	0.774	<1.18	340	1,110
	18-May-15	1.78	<1.18	350	1,120
	27-Feb-15	1.87	<1.80	327	1,200
	19-Nov-14	2.10	<1.80	333	1,220
	26-Aug-14	1.96	48.3	319	1,290
	22-May-14	2.18	<1.80	337	1,160
	26-Feb-14	1.87	<1.66	336	1,180
	26-Nov-13	1.95	2.10	341	1,160
	20-Aug-13	1.77	3.50	337	1,200
	14-May-13	1.73	<1.66	319	1,170
	15-Feb-13	1.72	<1.72	332	1,170
	9-Nov-12	<0.0290	<1.72	315	1,170
	8-Aug-12	1.15	2.66	333	1,134
	1-May-12	0.750	<1.72	282	1,180
	16-Feb-12	<0.500	<2.17	341	1,200
	8-Nov-11	<0.500	<2.17	331	730
	2-Aug-11	<0.100	<2.17	331	1,340
	25-Apr-11	<0.500	<2.17	339	1,280
	28-Jan-11	0.580	<2.17	276	970
	1-Oct-10	4.50	<10.0	312	1,280
	27-Jun-10	0.72	<1.0	320	1,270
	6-Mar-10	0.13	<0.3	350	1,230
	16-Jan-10	0.42	<0.3	340	1,250
15-Sep-09	0.65	<0.3	310	1,215	
3-Jun-09	0.82	<0.2	330	1,280	
14-Mar-09	0.70	<0.2	340	1,240	
42-13	26-Aug-15	49.3	<1.18	756	3,480
	18-May-15	50.6	<1.18	830	3,340
	26-Feb-15	49.0	<1.80	781	3,420
	18-Nov-14	54.6	<1.80	855	3,360
	27-Aug-14	77.9	2.10	927	3,490
	22-May-14	50.9	<1.80	873	3,560
	26-Feb-14	50.0	<1.66	871	3,340
	26-Nov-13	49.8	3.50	895	3,260
	15-Aug-13	59.9	3.50	891	3,380
	14-May-13	49.7	<1.66	809	3,320
	15-Feb-13	54.3	<1.72	855	3,430
	9-Nov-12	52.2	<1.72	835	3,250
	8-Aug-12	62.3	<1.72	871	3,110
	1-May-12	81.5	<1.72	902	3,550
	16-Feb-12	99.1	<2.17	1,020	3,880
	9-Nov-11	61.5	<2.17	901	3,160
	2-Aug-11	106	<2.17	1,900	3,280
	25-Apr-11	55.9	<2.17	1,000	3,600
	28-Jan-11	52.6	<2.17	868	3,720
	29-Sep-10	44.5	<10.0	833	3,360
	27-Jun-10	48	<5.0	1,000	3,810
	6-Mar-10	NS	NS	NS	NS
	16-Jan-10	46.3	<0.3	1,130	3,810
15-Sep-09	54.8	0.5	1,100	3,940	
3-Jun-09	51.6	<0.2	1,110	3,775	
14-Mar-09	51.0	0.6	1,040	3,735	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
Dominguez					
624-01	7-Aug-15	14.00	<1.18	1,010	3,110
	19-May-15	16.70	1.40	750	3,070
	12-Feb-15	9.54	2.10	798	2,880
	17-Nov-14	11.2	<1.80	790	2,620
	19-Aug-14	11.8	<1.80	794	2,590
	20-May-14	23.2	4.90	1,050	3,320
	25-Feb-14	18.6	<1.66	950	3,080
	19-Nov-13	23.6	2.10	1,080	3,250
	14-Aug-13	15.4	3.50	970	2,990
	13-May-13	20.8	<1.66	894	2,720
	14-Feb-13	15.6	<1.72	827	2,980
	12-Nov-12	12.2	<1.72	652	2,590
	9-Aug-12	17.4	2.80	1,080	3,550
	30-Apr-12	8.69	36.4	1,400	4,180
	7-Feb-12	10.0	9.52	1,420	3,180
	4-Nov-11	10.8	5.60	1,430	3,460
	3-Aug-11	10.7	<2.17	1,580	3,970
	27-Apr-11	<0.500	30.8	1,330	4,040
	25-Jan-11	14.0	<2.17	1,280	3,760
	21-Sep-10	8.20	<10.0	1,260	3,780
27-Jun-10	11	<2.0	1,600	4,520	
6-Mar-10	17.2	<0.3	910	2,610	
16-Jan-10	5.5	0.4	840	2,540	
15-Sep-09	6.5	0.6	760	2,455	
3-Jun-09	16.1	0.7	810	2,790	
14-Mar-09	21.9	0.3	1,190	3,305	
624-02	7-Aug-15	15.6	<1.18	801	2,710
	19-May-15	17.3	<1.18	859	3,020
	12-Feb-15	17.0	<1.80	810	3,320
	18-Nov-14	15.6	<1.80	912	3,100
	19-Aug-14	13.9	<1.80	995	3,380
	20-May-14	12.7	2.10	1,010	3,350
	25-Feb-14	12.4	<1.66	965	3,320
	19-Nov-13	12.6	9.10	969	3,200
	14-Aug-13	11.4	4.20	1,030	3,350
	13-May-13	9.98	<1.66	950	3,360
	14-Feb-13	9.30	2.10	1,110	3,580
	12-Nov-12	12.7	<1.72	1,170	3,830
	9-Aug-12	9.69	<1.72	1,300	4,010
	30-Apr-12	16.4	4.06	1,160	3,650
	7-Feb-12	14.8	<2.17	1,200	3,720
	4-Nov-11	10.7	3.5	1,300	4,060
	3-Aug-11	12.2	<2.17	1,290	3,600
	27-Apr-11	11.6	7.70	1,340	4,170
	25-Jan-11	19.1	<2.17	1,290	3,700
	20-Sep-10	19.6	<10.0	1,300	4,130
27-Jun-10	14	<2.0	1,400	4,230	
6-Mar-10	23.7	<0.3	1,400	3,880	
16-Jan-10	22.6	0.4	1,300	3,630	
15-Sep-09	19.9	0.8	1,260	3,625	
3-Jun-09	29.4	0.4	1,340	3,905	
14-Mar-09	26.5	0.4	1,240	3,655	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
624-04	7-Aug-15				Dry
	19-May-15				Dry
	12-Feb-15				Dry
	18-Nov-14				Dry
	19-Aug-14				Dry
	20-May-14				Dry
	25-Feb-14				Dry
	19-Nov-13				Dry
	14-Aug-13				Dry
	13-May-13				Dry
	14-Feb-13				Dry
	12-Nov-12				Dry
	9-Aug-12				Dry
	30-Apr-12				Dry
	7-Feb-12				Dry
	4-Nov-11				Dry
	3-Aug-11	1.84	<2.17	478	2,760
	27-Apr-11	2.60	5.74	566	2,830
	26-Jan-11	3.23	2.52	747	3,480
	21-Sep-10	6.0	<10.0	758	3,750
27-Jun-10	3.7	1.4	810	3,950	
6-Mar-10	4.3	0.4	890	4,050	
16-Jan-10	4.2	0.7	800	3,845	
15-Sep-09	9.3	0.8	840	3,750	
3-Jun-09	16.0	0.6	520	2,900	
14-Mar-09	18.1	0.6	520	2,820	
624-05	7-Aug-15				Dry
	19-May-15				Dry
	12-Feb-15				Dry
	18-Nov-14				Dry
	19-Aug-14				Dry
	20-May-14				Dry
	25-Feb-14				Dry
	19-Nov-13				Dry
	14-Aug-13				Dry
	13-May-13				Dry
	14-Feb-13	6.72	<1.72	508	2,040
	12-Nov-12	4.82	<1.72	440	2,200
	9-Aug-12	4.11	1.82	472	2,050
	30-Apr-12	3.70	2.10	346	1,710
	7-Feb-12	3.38	<2.17	411	2,040
	4-Nov-11	2.58	4.20	385	1,980
	3-Aug-11	3.34	<2.17	1,080	1,940
	27-Apr-11	3.34	4.76	424	1,840
	26-Jan-11	3.62	<2.17	392	1,740
	21-Sep-10	11.9	<10.0	449	2,300
27-Jun-10	27	< 5.0	480	2,450	
6-Mar-10	30.5	0.4	520	2,595	
16-Jan-10	21.4	0.9	520	2,605	
15-Sep-09	34.8	1.0	530	2,620	
3-Jun-09	33.8	1.3	500	2,650	
14-Mar-09	23.9	1.2	490	2,565	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
624-06	7-Aug-15	Dry			
	19-May-15	Dry			
	12-Feb-15	Dry			
	18-Nov-14	Dry			
	19-Aug-14	Dry			
	20-May-14	Dry			
	25-Feb-14	Dry			
	19-Nov-13	Dry			
	14-Aug-13	Dry			
	13-May-13	Dry			
	14-Feb-13	31.5	<1.72	1,150	3,600
	12-Nov-12	28.3	<1.72	1,060	3,840
	9-Aug-12	30.8	7.56	1,080	3,420
	30-Apr-12	31.1	8.40	1,010	3,300
	7-Feb-12	30.9	6.30	1,080	3,020
	4-Nov-11	29.5	8.68	1,040	2,860
	3-Aug-11	29.8	<2.17	1,080	3,240
	27-Apr-11	29.0	3.50	1,050	3,180
	26-Jan-11	29.1	2.94	1,080	2,760
	21-Sep-10	26.7	<10.0	1,060	3,270
27-Jun-10	30	<5.0	1,100	3,570	
6-Mar-10	28.3	<0.3	1,250	3,550	
16-Jan-10	52.2	0.6	2,100	3,545	
15-Sep-09	27.8	0.7	1,150	3,425	
3-Jun-09	38.3	0.8	70	4,300	
14-Mar-09	36.5	0.3	1,300	3,800	
624-07	7-Aug-15	Not Sampled - insufficient water to sample			
	19-May-15	Not Sampled - insufficient water to sample			
	12-Feb-15	Not Sampled - insufficient water to sample			
	17-Nov-14	Dry			
	19-Aug-14	Not Sampled - insufficient water to sample			
	20-May-14	Dry			
	26-Feb-14	Not Sampled - insufficient water to sample			
	19-Nov-13	Dry			
	14-Aug-13	Dry			
	13-May-13	Dry			
	14-Feb-13	Dry			
	12-Nov-12	Dry			
	9-Aug-12	Dry			
	30-Apr-12	Dry			
	7-Feb-12	Not Sampled - insufficient water to sample			
	4-Nov-11	Not Sampled - insufficient water to sample			
	3-Aug-11	8.01	<2.17	473	1,600
	27-Apr-11	19.4	3.50	539	2,290
	26-Jan-11	14.7	5.60	516	1,900
	21-Sep-10	20.5	<10.0	531	2,200
27-Jun-10	61	<5.0	880	3,550	
6-Mar-10	43.4	<0.3	1,080	3,825	
16-Jan-10	49.5	0.5	840	3,275	
15-Sep-09	50.1	0.4	960	3,280	
3-Jun-09	75.2	0.8	1,525	4,980	
14-Mar-09	54.3	0.3	1,160	3,580	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
624-08	7-Aug-15				Dry
	19-May-15				Dry
	12-Feb-15				Dry
	18-Nov-14				Dry
	19-Aug-14				Dry
	20-May-14				Dry
	26-Feb-14				Dry
	19-Nov-13				Dry
	14-Aug-13				Dry
	13-May-13				Dry
	14-Feb-13				Dry
	9-Aug-12				Dry
	30-Apr-12				Dry
	7-Feb-12				Dry
	4-Nov-11				Dry
	3-Aug-11				Dry
	27-Apr-11	2.45	3.50	200	1,400
	26-Jan-11	1.7	8.12	222	2,940
	21-Sep-10	<2.50	<10.0	197	1,200
	27-Jun-10	2.0	<1.0	220	1,310
6-Mar-10	0.65	<0.3	280	1,330	
16-Jan-10	0.89	<0.3	240	1,215	
15-Sep-09	2.3	0.3	200	1,205	
3-Jun-09	1.7	0.7	210	1,280	
14-Mar-09	1.8	<0.2	205	1,165	
Gonzalez					
177-01	21-Aug-15	12.0	1.40	1,410	4,220
	13-May-15	30.4	<1.18	1,370	4,160
	11-Feb-15	33.5	<1.80	1,190	4,160
	13-Nov-14	34.6	<1.80	1,330	3,780
	18-Aug-14	30.5	2.80	1,100	3,780
	16-May-14	33.8	<1.80	1,380	3,840
	21-Feb-14	33.7	<1.66	1,310	3,870
	18-Nov-13	33.2	2.80	1,330	3,740
	13-Aug-13	32.2	4.20	1,370	3,850
	15-May-13	31.6	<1.66	1,300	3,940
	19-Feb-13	28.4	<1.72	1,310	3,930
	13-Nov-12	27.7	<1.72	1,190	3,780
	13-Aug-12	27.3	2.52	1,160	3,790
	26-Apr-12	28.5	<1.72	1,460	3,500
	6-Feb-12	28.1	<2.17	1,180	3,650
	3-Nov-11	27.4	2.66	1,170	3,790
	2-Aug-11	26.0	2.24	1,200	4,000
	4-May-11	26.6	<2.17	1,160	4,020
	25-Jan-11	23.3	4.06	1,160	3,540
	20-Sep-10	17.6	12.7	1,120	3,480
	29-Jun-10	34	<1.0	1,200	3,660
	28-Apr-10	31	<5.0	1,200	3,680
	20-Jan-10	32	<5.0	1,200	3,640
21-Oct-09	35	<5.0	1,100	3,700	
7-Jul-09	35	<5.0	1,400	3,700	
6-May-09	34	<5.0	1,300	3,700	
22-Jan-09	33	<5.0	1,300	3,700	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
177-02	21-Aug-15	18.2	<1.18	797	2,840
	13-May-15	17.3	1.40	923	2,980
	12-Feb-15	17.5	<1.80	835	3,160
	14-Nov-14	16.3	<1.80	931	2,930
	18-Aug-14	17.1	<1.80	864	2,810
	16-May-14	43.0	<1.80	803	2,980
	21-Feb-14	67.9	<1.66	725	3,180
	18-Nov-13	111	2.80	682	3,150
	13-Aug-13	30.7	4.20	794	3,020
	15-May-13	27.6	<1.66	910	3,000
	19-Feb-13	29.3	<1.72	902	3,100
	13-Nov-12	35.8	<1.72	870	3,320
	13-Aug-12	47.4	7.70	899	3,650
	26-Apr-12	36.0	<1.72	881	2,960
	6-Feb-12	37.0	<2.17	958	3,320
	3-Nov-11	32.7	<2.17	971	3,450
	3-Aug-11	34.4	2.80	997	3,340
	4-May-11	38.1	2.52	1,050	3,580
	25-Jan-11	31.6	3.36	1,050	3,640
	20-Sep-10	78.0	<10.0	964	3,630
	29-Jun-10	58	<1.0	1,000	3,830
	28-Apr-10	60	<5.0	1,100	3,860
	20-Jan-10	59	<5.0	1,200	4,020
21-Oct-09	50	<5.0	1,200	4,000	
7-Jul-09	56	<5.0	1,300	4,000	
6-May-09	52	<5.0	1,200	4,000	
22-Jan-09	72	<5.0	1,300	4,000	
177-03A	21-Aug-15	6.35	<1.18	745	2,600
	14-May-15	9.94	<1.18	871	2,900
	11-Feb-15	17.7	<1.80	1,020	3,880
	13-Nov-14	0.993	<1.80	486	1,780
	19-Aug-14	10.9	<1.80	859	2,720
	19-May-14	11.4	<1.80	950	3,220
	24-Feb-14	15.6	2.10	1,160	3,900
	18-Nov-13	14.3	2.10	1,150	3,490
	13-Aug-13	17.1	2.80	1,230	4,120
	15-May-13	16.0	<1.66	1,150	3,530
	18-Feb-13	15.5	<1.72	1,290	3,900
	13-Nov-12	12.2	<1.72	1,150	3,900
	13-Aug-12	7.86	<1.72	835	2,810
	26-Apr-12	1.16	<1.72	378	1,430
	6-Feb-12	2.00	<2.17	452	1,580
	4-Nov-11	<0.500	3.50	436	1,850

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
177-04	21-Aug-15	7.50	<1.18	1,420	4,040
	14-May-15	19.4	<1.18	1,330	3,910
	12-Feb-15	18.7	<1.80	1,110	3,730
	13-Nov-14	22.5	<1.80	1,190	3,680
	19-Aug-14	18.2	<1.80	1,150	3,830
	19-May-14	17.5	<1.80	1,320	3,970
	24-Feb-14	17.6	<1.66	1,290	4,020
	18-Nov-13	23.0	2.80	1,260	3,850
	13-Aug-13	19.1	2.10	1,270	3,530
	15-May-13	19.4	<1.66	1,110	3,600
	18-Feb-13	20.5	<1.72	1,120	3,450
	13-Nov-12	22.3	<1.72	1,070	3,630
	13-Aug-12	19.7	<1.72	1,000	3,720
	26-Apr-12	21.7	<1.72	1,050	3,480
	2-Feb-12	22.5	<2.17	1,100	3,650
	3-Nov-11	27.5	<2.17	1,100	3,500
	2-Aug-11	21.6	<2.17	1,080	3,670
	4-May-11	21.2	3.64	1,100	3,740
	25-Jan-11	17.5	2.38	1,150	3,760
	20-Sep-10	4.83	<10.0	1,180	4,030
	29-Jun-10	26	<1.0	1,200	4,010
	28-Apr-10	26	<5.0	1,300	4,090
20-Jan-10	27	<5.0	1,400	4,090	
21-Oct-09	29	<5.0	1,400	4,100	
7-Jul-09	32	<5.0	1,400	3,990	
6-May-09	32	<5.0	1,300	3,800	
22-Jan-09	26	<5.0	1,200	1,700	
177-05	21-Aug-15	34.0	<1.18	1,300	3,920
	13-May-15	46.5	<1.18	1,110	3,440
	11-Feb-15	36.8	<1.80	1,250	4,060
	13-Nov-14	56.1	<1.80	1,110	3,260
	19-Aug-14	18.1	<1.80	1,680	4,800
	19-May-14	35.7	<1.80	1,400	4,000
	24-Feb-14	26.6	<1.66	1,600	4,460
	18-Nov-13	33.5	2.10	1,580	4,360
	13-Aug-13	30.5	2.80	1,640	4,420
	15-May-13	29.8	<1.66	1,510	4,160
	18-Feb-13	32.6	<1.72	1,430	3,900
	13-Nov-12	37.1	<1.72	1,240	4,050
	13-Aug-12	37.6	2.66	1,390	4,360
	26-Apr-12	47.1	<1.72	1,090	3,440
	2-Feb-12	42.2	<2.17	1,170	3,590
	3-Nov-11	30.6	<2.17	1,190	3,060
	2-Aug-11	36.3	<2.17	1,120	3,420
	4-May-11	40.6	5.60	1,090	3,500
	25-Jan-11	39.2	2.10	1,060	3,240
	20-Sep-10	7.39	<10.0	1,050	3,500
	29-Jun-10	39	<1.0	1,100	3,470
	28-Apr-10	40	<5.0	1,200	3,460
20-Jan-10	43	<5.0	1,100	3,330	
21-Oct-09	50	<5.0	1,100	3,300	
7-Jul-09	38	<5.0	1,200	3,270	
6-May-09	40	<5.0	1,100	3,100	
22-Jan-09	40	<5.0	1,100	3,000	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
177-06	21-Aug-15	Dry			
	13-May-15	Dry			
	11-Feb-15	Dry			
	13-Nov-14	Dry			
	13-Aug-14	Dry			
	13-Aug-14	Dry			
	19-May-14	Dry			
	24-Feb-14	Dry			
	21-Nov-13	24.1	14.0	1,080	3,110
	18-Nov-13	Insufficient Water to Sample			
	13-Aug-13	Insufficient Water to Sample			
	15-May-13	Insufficient Water to Sample			
	18-Feb-13	17.4	<1.72	963	3,000
	13-Nov-12	16.1	<1.72	918	3,020
	26-Apr-12	Dry			
	2-Feb-12	16.1	4.76	934	2,940
	7-Dec-11	15.1	<2.17	892	2,760
	2-Aug-11	16.1	<2.17	910	3,020
	4-May-11	17.2	4.90	955	2,930
	25-Jan-11	19.2	<2.05	923	2,740
	20-Sep-10	<2.50	<10.0	890	2,880
	29-Jun-10	23	<1.0	940	2,960
	28-Apr-10	21	<5.0	980	2,960
20-Jan-10	26	<5.0	1,000	2,910	
21-Oct-09	25	<5.0	980	2,900	
7-Jul-09	25	<5.0	1,000	2,850	
6-May-09	25	<5.0	1,000	2,800	
22-Jan-09	23	<5.0	960	2,800	
177-07R	21-Aug-15	35.0	<1.18	1,170	3,600
	14-May-15	45.1	<1.18	1,130	3,580
	12-Feb-15	46.9	<1.80	1,070	3,510
	14-Nov-14	45.3	<1.80	1,070	3,250
	19-Aug-14	28.2	<1.80	980	3,120
	19-May-14	22.7	2.10	895	2,910
	24-Feb-14	22.7	<1.66	903	3,080
	18-Nov-13	21.5	2.10	911	3,060
	13-Aug-13	30.3	2.80	1,010	3,540
	15-May-13	29.2	<1.66	1,000	3,420
	19-Feb-13	31.0	<1.72	976	3,360
	13-Nov-12	31.0	<1.72	1,040	3,570
	13-Aug-12	26.5	<1.72	1,040	3,670
	26-Apr-12	22.8	<1.72	1,010	2,690
	6-Feb-12	28.5	5.60	1,060	2,730
	4-Nov-11	29.3	2.66	1,050	2,830
3-Aug-11	25.2	2.80	1,050	3,250	
7-Apr-11	21.4	2.52	1,070	8,660	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	
Central Area						
Buena Vista Dairy II						
74-01	24-Aug-15	67.4	<1.18	902	3,360	
	19-May-15	59.2	2.80	784	3,060	
	13-Feb-15	59.9	<1.80	812	3,160	
	19-Nov-14	23.9	<1.80	891	2,930	
	20-Aug-14	76.2	<1.80	866	3,480	
	20-May-14	62.6	2.10	816	3,080	
	3-Mar-14	57.2	2.10	855	3,200	
	19-Nov-13	63.6	4.20	898	3,210	
	21-Aug-13	63.9	2.80	829	3,180	
	16-May-13	72.3	<1.66	816	3,090	
	19-Feb-13	59.1	<1.72	840	3,140	
	14-Nov-12	94.2	8.40	963	3,510	
	10-Aug-12	78.6	3.50	922	2,150	
	3-May-12	65.3	<1.72	778	3,265	
	8-Feb-12	Not Sampled				
	3-Nov-11	64.6	<2.17	811	2,830	
	1-Aug-11	73.2	<2.17	770	3,040	
	26-Apr-11	67.8	<2.17	730	3,300	
	25-Jan-11	41.7	13.0	738	2,960	
	17-Sep-10	36.7	<10.0	695	2,760	
	29-Jun-10	74	<1.0	850	3,350	
	24-Mar-10	70	ND	840	3,070	
	14-Dec-09	84	0.14	750	2,480	
	1-Sep-09	92	ND	730	2,914	
2-Jun-09	33.2	ND	650	2,632		
3-Mar-09	43.8	ND	735	2,666		
74-02	24-Aug-15	26.1	<1.18	566	2,270	
	19-May-15	20.7	1.40	527	2,180	
	13-Feb-15	23.5	<1.80	519	2,300	
	19-Nov-14	28.6	<1.80	572	2,230	
	20-Aug-14	29.8	<1.80	567	2,360	
	20-May-14	25.7	2.10	579	2,230	
	3-Mar-14	24.7	<1.66	588	2,260	
	20-Nov-13	28.8	2.10	625	2,340	
	21-Aug-13	20.0	2.80	564	2,220	
	16-May-13	15.5	<1.66	549	2,120	
	19-Feb-13	13.9	<1.72	525	1,900	
	14-Nov-12	12.7	2.10	484	2,150	
	10-Aug-12	14.0	2.10	532	2,060	
	3-May-12	16.4	<1.72	495	1,980	
	8-Feb-12	15.2	5.46	519	2,150	
	3-Nov-11	26.3	<2.17	558	2,510	
	29-Jul-11	52.8	2.24	630	2,710	
	26-Apr-11	93.2	<2.17	831	3,610	
	25-Jan-11	65.7	2.80	824	3,670	
	17-Sep-10	30.6	<10.0	665	2,400	
	29-Jun-10	45	<1.0	730	2,780	
	24-Mar-10	20.6	ND	810	2,612	
	14-Dec-09	14.6	0.14	770	2,452	
	1-Sep-09	17.3	0.7	760	2,474	
2-Jun-09	17.6	0.84	820	4,866		
3-Mar-09	45.1	ND	1,265	4,556		

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
74-03	24-Aug-15	<0.194	<1.18	1,190	3,960
	19-May-15	1.02	1.40	1,310	4,300
	13-Feb-15	1.07	<1.80	1,260	4,330
	19-Nov-14	2.06	<1.80	1,380	4,390
	20-Aug-14	2.77	<1.80	1,240	4,380
	20-May-14	3.51	2.10	1,230	4,000
	3-Mar-14	5.75	<1.66	1,220	4,140
	20-Nov-13	10.7	2.80	1,200	4,070
	21-Aug-13	5.62	3.50	1,230	4,100
	16-May-13	7.88	<1.66	1,160	3,920
	19-Feb-13	2.81	<1.72	1,250	4,480
	14-Nov-12	1.06	<1.72	1,300	4,440
	10-Aug-12	2.25	<1.72	1,450	4,900
	3-May-12	9.92	<1.72	1,330	3,920
	8-Feb-12	11.0	<2.17	1,420	4,170
	3-Nov-11	27.6	<2.17	1,420	4,730
	1-Aug-11	15.0	<2.17	1,450	4,870
	26-Apr-11	4.17	<2.17	1,480	4,690
	25-Jan-11	2.02	<2.17	1,460	4,960
	20-Sep-10	21.3	<10.0	1,490	4,840
	29-Jun-10	1.5	<1.0	1,400	4,630
	24-Mar-10	6.1	ND	1,530	4,400
	14-Dec-09	14.1	ND	1,550	4,560
	1-Sep-09	18.9	ND	1,630	4,734
2-Jun-09	2.9	ND	1,590	1,782	
3-Mar-09	2.65	ND	1,510	4,664	
74-04	24-Aug-15	21.7	<1.18	576	2,120
	20-May-15	22.4	<1.18	524	1,900
	16-Feb-15	13.4	2.10	491	1,520
	20-Nov-14	14.7	<1.80	538	2,140
	21-Aug-14	16.3	<1.80	556	2,060
	21-May-14	20.1	<1.80	537	1,880
	3-Mar-14	18.1	<1.66	565	2,080
	19-Nov-13	17.3	2.10	570	1,910
	22-Aug-13	16.4	3.50	560	2,160
	16-May-13	17.6	<1.66	502	1,890
	20-Feb-13	18.5	<1.72	499	1,960
	14-Nov-12	19.3	<1.72	499	2,140
	10-Aug-12	18.8	<1.72	477	1,920
	3-May-12	33.6	<1.72	436	1,800
	8-Feb-12	31.6	<2.17	473	2,020
	3-Nov-11	13.4	<2.17	439	1,080
	29-Jul-11	15.3	<2.17	438	1,580
	26-Apr-11	12.8	<2.17	451	1,820
	25-Jan-11	6.50	<2.17	434	1,810
	20-Sep-10	10.6	<10.0	441	1,640
	29-Jun-10	15	<1.0	500	1,840
	24-Mar-10	11.4	0.28	570	1,792
	14-Dec-09	11.5	ND	560	1,738
	1-Sep-09	19.3	ND	550	1,792
2-Jun-09	7.2	ND	570	2,024	
3-Mar-09	20.3	ND	530	1,884	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
74-05	24-Aug-15	22.7	<1.18	505	2,040
	20-May-15	20.0	<1.18	495	1,960
	16-Feb-15	16.9	<1.80	504	1,840
	20-Nov-14	17.3	<1.80	493	1,890
	21-Aug-14	18.8	<1.8	464	1,880
	21-May-14	19.8	<1.80	452	1,860
	25-Feb-14	18.3	<1.66	506	1,960
	19-Nov-13	18.4	<1.66	493	1,840
	22-Aug-13	18.8	4.2	497	1,980
	16-May-13	17.5	<1.66	469	1,860
	20-Feb-13	17.8	<1.72	470	1,870
	14-Nov-12	17.0	<1.72	219	1,900
	10-Aug-12	18.0	<1.72	463	1,800
	3-May-12	18.0	<1.72	421	1,900
	8-Feb-12	17.4	<2.17	442	1,960
	3-Nov-11	17.9	<2.17	442	960
	29-Jul-11	23.3	<2.17	449	2,000
	26-Apr-11	21.5	<2.17	446	1,900
	25-Jan-11	16.5	<2.17	446	1,940
	17-Sep-10	17.6	<10.0	439	1,880
29-Jun-10	32	<1.0	520	2,070	
24-Mar-10	23.2	ND	620	1,960	
14-Dec-09	15.9	ND	600	1,924	
1-Sep-09	25.2	ND	540	1,964	
2-Jun-09	10.8	ND	560	2,068	
3-Mar-09	33.2	ND	535	2,038	
River Valley Dairy					
167-01	13-Aug-14	Not Sampled			
	23-May-14	Not Sampled			
	28-Feb-14	Not Sampled			
	10-Dec-13	Not Sampled			
	27-Aug-13	<0.164	10.5	290	1,260
	17-May-13	Not Sampled			
	20-Feb-13	Not Sampled			
	15-Nov-12	Not Sampled			
	14-Aug-12	Not Sampled			
	2-May-12	Not Sampled			
	30-Jan-12	Not Sampled			
	2-Nov-11	Not Sampled			
	25-Jul-11	Not Sampled			
	28-Apr-11	<0.500	3.92	720	2,960
	20-Jan-11	Not Sampled			
	27-Sep-10	1.55	9.94	731	2,540
	28-Jun-10	Not Sampled			
5-Mar-10					
15-Jan-10					
14-Sep-09					
2-Jun-09					
15-Mar-09					

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
167-01A	24-Aug-15	0.216	<1.18	698	2,980
	20-May-15	1.18	<1.18	693	3,020
	16-Feb-15	1.18	<1.80	669	3,070
	20-Nov-14	1.65	19.6	539	3,260
	4-Sep-14	2.52	<1.80	652	3,070
	23-May-14	1.59	2.80	666	2,860
	28-Feb-14	2.03	<1.66	656	2,820
	10-Dec-13	2.35	2.80	643	2,720
	26-Aug-13	4.84	10.5	907	3,610
	17-May-13	4.83	<1.66	794	3,420
	20-Feb-13	1.10	<1.72	845	3,360
	15-Nov-12	4.02	<1.72	778	3,440
	14-Aug-12	1.78	4.20	888	3,260
	2-May-12	2.55	1.82	781	3,180
	30-Jan-12	2.54	3.50	755	2,940
	2-Nov-11	11.2	4.62	1,080	3,620
	25-Jul-11	2.13	3.92	943	3,330
	28-Apr-11	4.03	<2.17	1,030	3,710
	20-Jan-11	1.26	2.1	968	5,100
	22-Sep-10	1.40	3.36	1,010	3,470
	28-Jun-10	6.07	1.1	1,050	3,710
	5-Mar-10	9.3	0.8	1,040	3,605
	15-Jan-10	5.3	0.5	1,090	3,590
	14-Sep-09	13.4	0.6	1,040	3,530
2-Jun-09	13.7	0.7	980	3,505	
15-Mar-09	22.2	0.2	740	3,130	
167-02	24-Aug-15	Dry			
	20-May-15	Dry			
	16-Feb-15	0.878	<1.80	435	1,360
	20-Nov-14	Dry			
	4-Sep-14	0.928	<1.80	455	1,580
	18-Jun-14	Dry			
	28-Feb-14	Dry			
	10-Dec-13	Dry			
	23-Aug-13	Dry			
	17-May-13	Not Sampled			
	20-Feb-13	Not Sampled			
	15-Nov-12	Not Sampled			
	14-Aug-12	Not Sampled			
	30-Jan-12	Not Sampled			
	2-Nov-11	<0.500	3.64	432	650
	25-Jul-11	Dry			
	28-Apr-11	<0.500	2.94	500	1,910
	20-Jan-11	0.716	< 2.05	546	1,840
	22-Sep-10	<0.846	<10.0	610	2,100
	28-Jun-10	Not Sampled			
	5-Mar-10				
	15-Jan-10				
	14-Sep-09				
	2-Jun-09				
28-Apr-08	7.0	0.3	780	2,580	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	
167-03	25-Aug-15	13.3	<1.18	496	2,020	
	20-May-15	12.6	<1.18	478	1,940	
	18-Feb-15	10.3	<1.80	429	1,940	
	24-Nov-14	16.2	<1.80	529	2,080	
	4-Sep-14	17.1	<1.80	534	2,220	
	23-May-14	16.6	2.80	440	2,200	
	28-Feb-14	15.4	<1.66	516	2,140	
	10-Dec-13	17.6	<1.66	578	2,310	
	26-Aug-13	19.0	2.80	587	2,440	
	20-May-13	16.7	<1.66	543	2,140	
	21-Feb-13	13.0	<1.72	500	1,950	
	15-Nov-12	15.0	<1.72	503	2,150	
	14-Aug-12	16.6	<1.72	500	2,350	
	2-May-12	17.5	<1.72	499	2,220	
	27-Jan-12	21.0	<2.17	572	2,250	
	2-Nov-11	22.0	<2.17	564	2,150	
	25-Jul-11	18.5	6.16	543	2,250	
	28-Apr-11	17.1	<2.17	508	2,210	
	20-Jan-11	13.2	2.24	467	1,880	
	22-Sep-10	9.19	<10.0	472	2,120	
	28-Jun-10	20.4	<5.0	567	2,310	
	5-Mar-10	18.4	<0.3	610	2,265	
	15-Jan-10	13.7	0.6	620	2,015	
	14-Sep-09	23.1	0.4	590	2,240	
2-Jun-09	25.0	0.5	680	2,515		
15-Mar-09	30.9	0.2	760	2,615		
167-04	25-Aug-15	27.0	<1.18	1,040	3,860	
	21-May-15	25.4	<1.18	1,050	3,740	
	18-Feb-15	27.7	<1.80	823	3,450	
	24-Nov-14	29.0	<1.80	908	3,520	
	4-Sep-14	25.1	<1.80	1,040	4,210	
	22-May-14	26.5	18.2	1,010	3,600	
	3-Mar-14	25.1	2.10	1,180	4,080	
	10-Dec-13	23.8	2.10	1,190	4,070	
	26-Aug-13	25.5	6.30	1,090	3,900	
	17-May-13	4.40	<1.66	796	4,170	
	20-Feb-13	21.9	<1.72	1,320	4,660	
	15-Nov-12	7.77	<1.72	1,150	4,380	
	14-Aug-12	23.2	2.10	1,110	4,540	
	2-May-12	18.6	13.6	1,050	4,020	
	27-Jan-12	15.6	3.50	1,500	4,840	
	2-Nov-11	Not Sampled - insufficient water to sample				
	26-Jul-11	19.3	4.62	1,270	4,560	
	28-Apr-11	7.95	73.1	1,610	4,960	
	20-Jan-11	Not Sampled				
	28-Jun-10					
	5-Mar-10					
	15-Jan-10					
	14-Sep-09	6.7	0.4	1,630	5,240	
	2-Jun-09	8.5	0.4	1,525	5,045	
15-Mar-09	16.4	0.2	1,570	5,210		

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
167-05	25-Aug-15	3.40	2.10	756	3,100
	21-May-15	6.62	1.40	688	2,880
	19-Feb-15	4.97	<1.80	671	3,080
	20-Nov-14	2.62	<1.80	747	3,360
	3-Sep-14	4.16	<1.80	709	3,240
	23-May-14	3.62	3.50	764	3,010
	3-Mar-14	2.25	<1.66	818	3,180
	10-Dec-13	1.58	3.50	886	3,290
	26-Aug-13	4.54	3.50	767	3,400
	17-May-13	23.3	<1.66	1,120	3,140
	21-Feb-13	3.73	<1.72	842	3,360
	19-Nov-12	2.31	<1.72	805	3,480
	14-Aug-12	1.48	<1.72	1,630	3,220
	2-May-12	3.50	2.24	777	3,180
	30-Jan-12	4.40	<2.17	808	3,140
	2-Nov-11	3.89	3.64	782	2,560
	26-Jul-11	4.41	3.22	792	3,070
	28-Apr-11	12.9	2.80	976	3,630
	20-Jan-11	3.53	2.52	748	2,980
	23-Sep-10	2.70	<10.0	758	2,820
	28-Jun-10	4.07	<1.0	789	2,930
	5-Mar-10	2.9	<0.3	960	2,945
	15-Jan-10	1.8	<0.3	380	715
14-Sep-09	1.9	0.4	890	2,970	
2-Jun-09	1.8	0.9	850	3,005	
15-Mar-09	4.6	0.2	910	3,230	
167-06	24-Aug-15	20.2	<1.18	642	2,620
	20-May-15	19.7	<1.18	649	2,490
	16-Feb-15	19.1	<1.80	591	2,580
	20-Nov-14	21.1	<1.80	702	2,900
	4-Sep-14	22.8	4.20	689	2,820
	22-May-14	22.8	4.20	726	2,660
	28-Feb-14	22.1	<1.66	707	2,620
	10-Dec-13	20.8	6.30	744	2,740
	26-Aug-13	29.0	2.10	757	2,740
	20-May-13	23.9	<1.66	704	2,620
	20-Feb-13	22.8	<1.72	725	2,660
	19-Nov-12	23.7	<1.72	718	2,980
	14-Aug-12	25.1	<1.72	677	2,910
	2-May-12	27.2	<1.72	688	2,480
	30-Jan-12	29.1	<2.17	754	2,880
	2-Nov-11	35.7	<2.17	716	3,390
	25-Jul-11	35.0	5.32	702	2,640
	28-Apr-11	35.4	<2.17	676	2,790
	20-Jan-11	29.6	2.38	634	2,560
	22-Sep-10	19.8	<10.0	655	2,630
	28-Jun-10	34.8	2.35	687	2,700
	5-Mar-10	30.9	<0.3	730	2,730
	15-Jan-10	26.2	0.4	750	2,755
14-Sep-09	40.4	<0.3	700	2,680	
2-Jun-09	31.5	0.4	790	2,715	
15-Mar-09	36.2	0.7	730	2,715	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
167-07	24-Aug-15	<0.194	<1.18	542	4,990
	20-May-15	<0.0470	<1.18	206	1,540
	19-Feb-15	<0.0137	<1.80	196	1,600
	20-Nov-14	<0.126	<1.80	258	2,300
	4-Sep-14	<0.126	<1.80	609	5,680
	23-May-14	<0.187	<1.80	209	1,490
	28-Feb-14	<0.213	2.10	229	1,540
	10-Dec-13	0.960	6.30	233	1,770
	26-Aug-13	2.00	4.20	681	4,770
	17-May-13	<0.0420	<1.66	319	1,840
	20-Feb-13	<0.246	<1.72	446	3,640
	15-Nov-12	<0.0595	<1.72	498	3,280
	14-Aug-12	<0.114	4.06	1,160	6,090
	2-May-12	0.0285	<1.72	367	1,890
	30-Jan-12	<0.500	<2.17	411	1,850
	2-Nov-11	<0.500	<2.17	366	2,460
	25-Jul-11	<1.00	3.50	446	4,400
	28-Apr-11	<0.500	<2.17	292	1,750
	20-Jan-11	0.448	2.10	239	1,280
	22-Sep-10	0.0400	2.10	268	1,590
	28-Jun-10	<0.5	<2.0	287	1,600
	5-Mar-10	0.16	<0.3	370	1,650
	15-Jan-10	<0.03	<0.3	250	2,065
14-Sep-09	0.19	<0.3	390	1,700	
2-Jun-09	0.11	0.4	740	2,575	
15-Mar-09	0.11	0.2	1,090	3,165	
167-08	25-Aug-15	Bailer Down Well -Not Sampled			
	21-May-15	<0.0470	<1.18	733	2,680
	24-Feb-15	<0.0137	2.10	729	2,960
	24-Nov-14	<0.126	<1.80	944	3,020
	4-Sep-14	<0.126	<1.80	726	2,840
	27-May-14	<0.187	2.10	777	2,920
	4-Mar-14	1.02	<1.66	884	3,090
	10-Dec-13	Not Sampled			
	27-Aug-13	Not Sampled			
	21-May-13	1.13	<1.66	723	2,820
	25-Feb-13	0.895	<1.72	827	2,640
	15-Nov-12	Well Damaged - Not Sampled			
	14-Aug-12	0.192	<1.72	788	2,860
	2-May-12	0.399	<1.72	744	2,580
	30-Jan-12	<0.500	<2.17	805	2,440
	2-Nov-11	1.93	<2.17	759	2,520
	26-Jul-11	3.77	4.20	779	3,030
	28-Apr-11	3.74	<2.17	793	2,740
	20-Jan-11	<0.239	2.10	764	2,640
	23-Sep-10	0.250	<10.0	756	2,720
	28-Jun-10	5.51	<0.5	804	2,990
	5-Mar-10	5.5	<0.3	830	2,750
	15-Jan-10	0.84	<0.3	720	2,530
14-Sep-09	2.9	0.3	640	2,380	
2-Jun-09	2.1	0.6	750	2,785	
15-Mar-09	3.2	0.2	740	2,710	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
167-09	25-Aug-15	2.30	1.40	563	2,480
	21-May-15	4.15	<1.18	602	2,440
	19-Feb-15	5.42	<1.80	719	2,710
	20-Nov-14	6.31	2.80	683	2,830
	3-Sep-14	10.5	<1.80	680	2,980
	23-May-14	10.1	3.50	721	2,800
	3-Mar-14	6.49	<1.66	756	2,840
	10-Dec-13	3.82	4.90	777	2,980
	27-Aug-13	6.24	5.60	772	3,320
	17-May-13	10.7	<1.66	726	3,050
	21-Feb-13	4.51	<1.72	959	3,580
	19-Nov-12	12.8	<1.72	979	3,560
	14-Aug-12	8.47	2.10	916	3,760
	2-May-12	14.5	<1.72	1,070	4,000
	30-Jan-12	13.2	2.80	1,010	3,590
	3-Nov-11	7.53	8.40	988	3,590
	26-Jul-11	<1.00	3.78	736	2,300
	28-Apr-11	<0.500	2.38	467	2,140
	20-Jan-11	0.0147	<2.05	429	2,160
	24-Sep-10	0.0300	<10.0	432	1,500
28-Jun-10	<0.5	<1.0	491	2,160	
5-Mar-10	0.05	<0.3	580	2,150	
15-Jan-10	<0.03	<0.3	500	2,250	
14-Sep-09	<0.03	<0.3	530	2,055	
2-Jun-09	0.04	0.7	540	2,205	
15-Mar-09	0.07	0.2	630	2,400	
Big Sky Dairy					
833-01	27-Aug-15			Dry	
	21-May-15			Dry	
	25-Feb-15			Dry	
	25-Nov-14			Dry	
	25-Aug-14			Dry	
	27-May-14			Dry	
	4-Mar-14			Dry	
	6-Nov-13			Dry	
	29-Aug-13			Dry	
	21-May-13			Dry	
	26-Feb-13			Dry	
	19-Nov-12			Dry	
	15-Aug-12			Dry	
	7-May-12			Dry	
	15-Feb-12			Dry	
	1-Nov-11			Dry	
	21-Jul-11			Dry	
	29-Apr-11	Not Sampled - insufficient water to sample			
	24-Jan-11	33.6	4.20	997	3,100
	23-Sep-10	29.1	<10.0	881	3,300
28-Jun-10	1.7	1.8	180	790	
23-Mar-10	28.3	0.7	1,025	2,640	
14-Dec-09	21.8	ND	975	2,800	
31-Aug-09	15.3	ND	999	2,894	
1-Jun-09	8.6	ND	1,030	2,382	
2-Mar-09	37.1	ND	1,070	3,750	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-02	27-Aug-15	44.5	2.80	720	2,250
	22-May-15	34.5	<1.18	702	2,140
	25-Feb-15	50.9	<1.80	780	2,820
	25-Nov-14	60.4	<1.80	1,010	3,480
	25-Aug-14	24.8	<1.80	528	2,090
	27-May-14	27.0	2.10	563	2,140
	5-Mar-14	79.8	<1.66	1,120	3,920
	20-Nov-13	65.4	2.10	884	3,060
	5-Sep-13	85.8	69.3	1,080	4,270
	21-May-13	69.2	<1.66	858	3,140
	25-Feb-13	97.0	<1.72	1,110	3,820
	19-Nov-12	84.3	2.10	1,030	4,020
	15-Aug-12	37.5	2.94	535	2,440
	7-May-12	43.3	65.1	635	2,420
	15-Feb-12	87.2	4.34	889	3,660
	1-Nov-11	82.3	2.38	885	4,010
	21-Jul-11	91.6	3.08	880	3,510
	29-Apr-11	81.6	6.02	840	3,500
	24-Jan-11	69.3	2.66	789	3,090
	23-Sep-10	52.9	<10.0	833	3,650
	28-Jun-10	29	<5.0	560	2,200
	23-Mar-10	15.9	ND	660	2,066
	14-Dec-09	11.5	0.28	650	2,018
	31-Aug-09	12.4	ND	660	2,170
1-Jun-09	<0.5	ND	650	3,358	
2-Mar-09	3.54	13.44	585	1,978	
833-03	27-Aug-15			Dry	
	21-May-15			Dry	
	25-Feb-15			Dry	
	24-Nov-14			Dry	
	25-Aug-14			Dry	
	27-May-14			Dry	
	3-Mar-14			Dry	
	6-Nov-13			Dry	
	29-Aug-13			Dry	
	21-May-13			Dry	
	25-Feb-13			Dry	
	19-Nov-12			Dry	
	15-Aug-12			Dry	
	3-May-12			Dry	
	15-Feb-12			Dry	
	1-Nov-11			Dry	
	21-Jul-11			Dry	
	4-May-11	24.8	4.20	1,660	4,120
	24-Jan-11	30.4	2.66	1,650	4,090
	23-Sep-10	18.1	<10.0	1,410	3,880
28-Jun-10	5.0	5.5	650	1,870	
23-Mar-10	14.0	ND	1,750	4,044	
14-Dec-09	11.8	0.28	1,839	4,280	
31-Aug-09	8.9	ND	1,760	4,216	
1-Jun-09	90.4	ND	1,620	3,060	
2-Mar-09	21.2	ND	1,580	3,970	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-04	27-Aug-15	26.2	<1.18	835	2,580
	22-May-15	15.6	<1.18	766	2,290
	25-Feb-15	15.5	<1.80	666	2,260
	25-Nov-14	46.6	<1.80	914	3,280
	22-Aug-14	10.4	<1.80	677	2,230
	29-May-14	23.5	5.60	780	2,670
	4-Mar-14	50.0	<1.66	1,010	3,530
	20-Nov-13	12.8	2.10	711	2,280
	30-Aug-13	37.9	2.80	868	3,260
	21-May-13	41.9	<1.66	875	3,180
	25-Feb-13	2.45	<1.72	1,050	3,600
	19-Nov-12	50.0	<1.72	1,010	3,770
	15-Aug-12	32.7	2.66	783	2,680
	3-May-12	24.1	<1.72	623	2,920
	15-Feb-12	49.9	<2.17	942	3,320
	1-Nov-11	43.4	<2.17	867	3,040
	21-Jul-11	45.3	2.52	883	3,410
	29-Apr-11	46.2	<2.17	902	3,280
	24-Jan-11	40.9	<2.05	755	3,040
	24-Sep-10	<50.0	<10.0	915	3,480
	28-Jun-10	18	<2.0	500	1,830
	23-Mar-10	11.3	ND	560	1,648
	14-Dec-09	11.2	0.42	570	1,750
	31-Aug-09	16.1	ND	630	1,986
1-Jun-09	3.03	ND	580	1,968	
2-Mar-09	14.6	ND	600	1,884	
833-05	27-Aug-15	22.1	2.80	833	2,350
	22-May-15	19.7	<1.18	999	2,680
	26-Feb-15	18.7	<1.80	1,050	2,970
	24-Nov-14	19.8	<1.80	992	2,680
	21-Aug-14	21.0	<1.80	752	2,320
	29-May-14	15.6	4.20	1,070	3,130
	4-Mar-14	18.5	<1.66	1,170	3,170
	25-Nov-13	17.8	2.80	1,060	2,900
	29-Aug-13	20.9	20.3	911	2,660
	21-May-13	14.7	<1.66	1,070	2,920
	26-Feb-13	16.8	<1.72	1,270	3,140
	20-Nov-12	15.0	2.10	1,070	3,100
	15-Aug-12	13.9	<1.72	1,100	3,250
	3-May-12	12.8	<1.72	1,030	2,790
	15-Feb-12	14.9	<2.17	1,230	3,100
	1-Nov-11	12.2	2.24	1,150	2,580
	21-Jul-11	12.0	2.66	1,210	3,180
	29-Apr-11	17.6	<2.17	1,330	3,300
	24-Jan-11	23.2	2.66	1,340	3,430
	24-Sep-10	28.9	<10.0	1,330	3,800
	28-Jun-10	12	<2.0	1,200	3,090
	23-Mar-10	12.2	ND	1,240	2,942
	14-Dec-10	6.7	0.56	1,280	3,096
	31-Aug-09	9.0	ND	1,220	3,152
1-Jun-09	3.43	ND	1,230	3,026	
2-Mar-09	11	ND	1,255	3,134	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-06	27-Aug-15	32.3	<1.18	708	2,360
	22-May-15	38.6	<1.18	787	2,470
	24-Feb-15	71.9	<1.80	827	3,080
	25-Nov-14	46.5	<1.80	836	2,710
	21-Aug-14	17.4	<1.80	663	2,300
	29-May-14	26.5	3.50	760	2,460
	4-Mar-14	41.9	<1.66	847	2,800
	21-Nov-13	27.4	3.50	771	2,490
	30-Aug-13	25.3	2.80	656	2,310
	20-May-13	25.9	<1.66	816	2,640
	25-Feb-13	21.6	<1.72	924	2,750
	19-Nov-12	24.2	<1.72	920	2,840
	15-Aug-12	23.4	<1.72	845	2,670
	3-May-12	20.7	<1.72	702	2,560
	14-Feb-12	26.4	<2.17	727	2,480
	2-Nov-11	28.8	3.08	688	1,900
	21-Jul-11	70.1	7.70	682	2,650
	4-May-11	36.4	7.70	717	2,440
	20-Jan-11	61.0	2.80	738	2,360
	23-Sep-10	64.3	<10.0	761	2,680
	28-Jun-10	23	<5.0	630	2,310
	23-Mar-10	24.8	2.38	700	2,184
	14-Dec-09	22.7	1.68	820	2,344
31-Aug-09	25.1	1.96	790	2,708	
1-Jun-09	106	ND	680	2,280	
2-Mar-09	66.4	ND	610	2,160	
833-07	27-Aug-15	88.9	2.80	1,350	4,700
	22-May-15	76.7	<1.18	1,320	4,460
	25-Feb-15	86.8	<1.80	1,100	4,320
	24-Nov-14	92.5	<1.80	1,190	4,300
	21-Aug-14	83.6	5.60	1,360	4,920
	29-May-14	87.0	4.90	1,380	4,760
	4-Mar-14	73.0	<1.66	1,390	4,420
	21-Nov-13	78.3	2.80	1,330	4,380
	29-Aug-13	78.4	4.90	1,330	4,420
	21-May-13	88.7	<1.66	1,400	4,730
	26-Feb-13	95.5	<1.72	1,470	4,500
	20-Nov-12	95.1	<1.72	1,130	4,290
	15-Aug-12	99.8	2.52	1,540	5,110
	7-May-12	95.6	7.56	1,460	4,880
	15-Feb-12	90.3	<2.17	1,340	4,660
	1-Nov-11	94.2	<2.17	1,090	3,840
	21-Jul-11	105	<2.17	115	4,090
	29-Apr-11	100	<2.17	1,220	4,380
	24-Jan-11	100	2.10	1,140	4,350
	24-Sep-10	129	<10.0	933	3,800
	28-Jun-10	69	<5.0	1,300	4,160
	23-Mar-10	106	ND	1,320	3,884
	14-Dec-09	101	0.42	1,260	3,988
31-Aug-09	74	8.68	1,180	3,978	
1-Jun-09	12.4	8.68	1,180	3,964	
2-Mar-09	33.2	ND	1,380	3,866	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-08	27-Aug-15	55.7	<1.18	569	2,360
	21-May-15	66.4	<1.18	620	2,460
	26-Feb-15	65.1	<1.80	981	3,340
	24-Nov-14	63.7	<1.80	1,130	3,320
	22-Aug-14	90.2	<1.80	672	2,900
	27-May-14	91.5	2.10	772	3,030
	4-Mar-14	100	<1.66	807	3,220
	21-Nov-13	86.3	<1.66	827	3,000
	29-Aug-13	79.6	4.90	971	3,300
	21-May-13	80.2	<1.66	953	3,320
	26-Feb-13	83.1	<1.72	877	2,940
	20-Nov-12	60.8	<1.72	1,070	3,580
	15-Aug-12	57.8	2.52	987	3,480
	3-May-12	61.4	<1.72	927	3,040
	15-Feb-12	77.6	<2.17	1,020	3,200
	1-Nov-11	69.8	4.20	966	3,080
	21-Jul-11	68.8	<2.17	963	3,240
	29-Apr-11	75.9	<2.17	950	3,330
	24-Jan-11	93.4	2.10	930	3,190
	23-Sep-10	91.8	<10.0	985	3,600
	28-Jun-10	35	<5.0	630	2,290
	23-Mar-10	33	ND	700	2,108
	14-Dec-09	31	ND	950	2,710
31-Aug-09	63	ND	1,020	3,576	
1-Jun-09	41.4	ND	1,000	3,492	
2-Mar-09	121	ND	700	2,038	
833-09	27-Aug-15	92.6	<1.18	861	3,580
	21-May-15	123	<1.18	957	4,170
	25-Feb-15	136	<1.80	936	4,450
	25-Nov-14	137	<1.80	965	4,260
	22-Aug-14	64.9	<1.80	759	3,240
	27-May-14	85.0	6.30	868	3,790
	5-Mar-14	125	<1.66	998	4,430
	20-Nov-13	137	<1.66	1,060	4,640
	29-Aug-13	82.2	3.50	786	3,860
	22-May-13	78.1	<1.66	786	3,630
	28-Feb-13	101	<1.72	876	4,060
	20-Nov-12	89.6	<1.72	731	3,760
	15-Aug-12	99.3	<1.72	875	3,780
	7-May-12	80.4	<1.72	745	3,830
	15-Feb-12	94.8	<2.17	725	3,580
	1-Nov-11	93.0	<2.17	779	3,880
	21-Jul-11	135	<2.17	1,070	4,550
	4-May-11	147	<2.17	1,420	5,540
	25-Jan-11	134	2.80	1,420	4,850
	24-Sep-10	58.2	<10.0	1,050	4,110
	28-Jun-10	50	<5.0	1,200	4,380
	23-Mar-10	16.3	0.56	1,100	3,624
	14-Dec-09	2.7	0.28	960	3,184
31-Aug-09	6.6	ND	870	3,178	
1-Jun-09	18.10	1.12	880	3,164	
2-Mar-09	7.07	ND	825	3,202	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-10	27-Aug-15	3.58	<1.18	678	2,670
	21-May-15	3.81	<1.18	732	2,700
	25-Feb-15	4.52	<1.80	661	2,740
	25-Nov-14	4.96	<1.80	690	2,760
	21-Aug-14	5.66	<1.80	671	2,780
	29-May-14	3.20	2.10	667	2,670
	5-Mar-14	2.47	<1.66	679	2,660
	20-Nov-13	2.93	<1.66	695	2,620
	29-Aug-13	3.77	4.20	642	2,800
	22-May-13	3.96	<1.66	648	2,580
	28-Feb-13	4.19	<1.72	689	2,640
	20-Nov-12	4.25	<1.72	608	2,540
	15-Aug-12	4.93	2.52	585	2,530
	7-May-12	3.95	<1.72	581	2,350
	15-Feb-12	3.18	<2.17	582	2,440
	1-Nov-11	3.69	<2.17	573	2,590
	21-Jul-11	4.63	3.78	597	2,480
	4-May-11	5.19	<2.17	714	2,670
	25-Jan-11	8.46	2.10	649	2,730
	24-Sep-10	<10.0	<10.0	654	2,250
28-Jun-10	3.6	<1.0	750	2,790	
23-Mar-10	6.8	ND	1,220	3,868	
14-Dec-09	3.7	0.14	790	2,576	
31-Aug-09	4.7	ND	750	2,548	
1-Jun-09	7.1	ND	650	2,458	
2-Mar-09	2.43	ND	855	2,954	
Sunset/Desert Land Dairy					
257-01	28-Aug-15	50.4	<10.0	816	3,490
	26-May-15	49.4	3.50	809	3,460
	19-Feb-15	27.5	<1.80	629	2,880
	1-Dec-14	47.9	<1.80	750	3,370
	25-Aug-14	49.4	<1.80	694	3,570
	30-May-14	47.9	3.50	739	3,320
	6-Mar-14	44.3	<1.66	707	3,130
	25-Nov-13	42.4	2.80	726	3,090
	28-Aug-13	44.4	5.60	719	3,160
	22-May-13	33.6	<1.66	660	3,100
	21-Feb-13	28.3	<1.72	665	3,200
	21-Nov-12	24.7	2.80	625	3,130
	16-Aug-12	23.2	<1.72	617	3,060
	26-Apr-12	23.7	22.7	680	2,920
	9-Feb-12	19.4	<2.17	603	2,940
	1-Nov-11	28.4	<2.17	619	2,730
	22-Jul-11	44.8	<2.17	673	3,270
	26-Apr-11	103	3.78	870	4,440
	19-Jan-11	59.3	3.08	743	3,420
	24-Sep-10	58.0	<10.0	685	3,120
28-Jun-10	100	<1.0	820	3,800	
24-Mar-10	187	ND	1,100	4,342	
14-Dec-09	71	0.14	910	3,860	
31-Aug-09	49	ND	880	3,706	
2-Jun-09	64	ND	910	3,822	
3-Mar-09	89	ND	1,135	4,652	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
257-02	28-Aug-15	8.86	<10.0	632	2,700
	26-May-15	9.36	1.40	727	2,660
	19-Feb-15	8.45	<1.80	610	2,440
	1-Dec-14	6.39	<1.80	669	2,760
	25-Aug-14	6.53	<1.80	585	2,550
	30-May-14	11.5	2.10	531	2,100
	6-Mar-14	10.4	<1.66	530	2,120
	25-Nov-13	11.1	2.80	529	2,070
	28-Aug-13	7.59	8.40	511	2,200
	22-May-13	3.39	<1.66	469	1,880
	21-Feb-13	10.3	<1.72	470	1,980
	21-Nov-12	10.0	2.80	468	2,060
	16-Aug-12	14.8	<1.72	484	2,170
	26-Apr-12	23.2	8.40	505	1,840
	9-Feb-12	11.1	<2.17	443	1,840
	1-Nov-11	19.3	2.24	442	3,150
	22-Jul-11	28.7	<2.17	501	2,160
	26-Apr-11	24.9	2.80	433	2,000
	19-Jan-11	13.3	2.52	455	1,500
	24-Sep-10	21.0	<10.0	445	1,590
	29-Jun-10	24	<1.0	560	2,180
	24-Mar-10	22.3	ND	570	1,840
	14-Dec-09	19.3	0.14	480	1,916
31-Aug-09	14.2	ND	410	1,518	
2-Jun-09	1.86	ND	500	1,690	
3-Mar-09	30.4	ND	495	1,632	
257-03	28-Aug-15	5.37	<10.0	477	2,060
	26-May-15	Dry			
	19-Feb-15	Not Sampled - insufficient water to sample			
	1-Dec-14	Dry			
	25-Aug-14	7.64	<1.80	413	1,840
	30-May-14	Dry			
	6-Mar-14	6.06	<1.66	546	2,380
	25-Nov-13	2.03	4.90	494	1,900
	28-Aug-13	4.55	4.90	569	2,360
	22-May-13	7.23	<1.66	658	2,640
	21-Feb-13	2.65	<1.72	520	2,060
	21-Nov-12	3.11	2.80	490	2,250
	16-Aug-12	17.6	2.10	509	2,420
	26-Apr-12	6.60	4.20	601	2,330
	14-Feb-12	11.2	<2.17	636	2,620
	1-Nov-11	7.37	2.80	537	2,210
	22-Jul-11	12.9	2.80	576	2,100
	26-Apr-11	12.5	5.88	525	2,400
	19-Jan-11	2.67	2.24	377	1,600
	24-Sep-10	8.00	<10.0	400	1,670
	29-Jun-10	17	1.1	660	2,570
	24-Mar-10	10.1	1.12	640	2,342
	14-Dec-09	5.9	0.56	760	2,638
31-Aug-09	10.7	0.84	610	2,260	
2-Jun-09	5.99	ND	570	2,284	
3-Mar-09	334*	ND	690	2,538	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
257/260-01	28-Aug-15	8.81	<10.0	210	1,140
	26-May-15	2.02	18.9	726	2,750
	19-Feb-15	1.09	<1.80	445	2,220
	1-Dec-14	4.92	2.80	375	1,520
	25-Aug-14	3.74	6.30	562	2,440
	30-May-14	4.82	2.10	658	2,640
	6-Mar-14	4.22	<1.66	644	2,780
	25-Nov-13	3.30	6.30	580	2,220
	28-Aug-13	2.81	7.70	624	2,460
	22-May-13	2.39	<1.66	673	2,820
	21-Feb-13	9.35	<1.72	816	2,980
	21-Nov-12	13.0	3.50	722	3,020
	16-Aug-12	3.67	6.30	667	2,620
	26-Apr-12	6.83	2.80	575	2,660
	14-Feb-12	9.68	<2.17	565	2,180
	1-Nov-11	16.7	2.94	658	2,850
	22-Jul-11	4.66	3.64	440	1,860
	26-Apr-11	<0.500	4.34	624	2,580
	19-Jan-11	1.21	4.20	480	1,860
	24-Sep-10	11.0	<10.0	576	2,480
	30-Jun-10	5.4	<5.0	530	1,980
	23-Mar-10	5.0	ND	340	982
	14-Dec-09	45	26.32	220	520
31-Aug-09	0.3	8.7	570	1,704	
2-Jun-09	1.65	7.0	660	1,936	
3-Mar-09	3.98	1.12	555	1,908	
McAnally Enterprises					
MW-4	13-Mar-09	3.5	<0.5	2,110	5,686
Southern Area					
Del Oro Dairy					
692-01	31-Aug-15	Pump was not operational			
	28-May-15	Pump was not operational			
	3-Mar-15	Pump was not operational			
	2-Dec-14	99.4	4.90	678	2,830
	27-Aug-14	95.6	9.10	643	2,910
	2-Jun-14	98.2	4.20	612	2,660
	13-Mar-14	97.8	<1.66	647	2,820
	4-Dec-13	2.57	7.00	706	2,840
	4-Sep-13	Not Sampled			
	28-May-13	82.4	<1.66	612	2,660
	27-Feb-13	87.9	<1.72	654	2,690
	30-Nov-12	117	<1.72	821	3,490
	20-Aug-12	Pump was not operational			
	8-May-12	163	<1.72	1,060	4,820
	17-Feb-12	166	7.28	1,090	4,000
	8-Nov-11	168	6.44	1,180	4,690
	29-Jul-11	176	<2.17	1,210	4,840
	22-Apr-11	140		998	3,880
	19-Jan-11	213	2.10	1,070	4,320
	1-Oct-10	222	<10.0	1,060	4,640
	30-Jun-10	230	<5.0	1,100	4,080
30-Mar-10	117.5	3	1,080	3,991	
8-Dec-09	107	1	1,060	4,897	
12-Aug-09	127	3	1,120	4,955	
4-May-09	120	3	1,160	4,295	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
692-02	31-Aug-15	140	4.90	995	3,660
	26-May-15	140	4.20	973	3,430
	3-Mar-15	142	2.10	963	3,640
	2-Dec-14	147	<1.80	974	3,430
	27-Aug-14	132	2.80	909	3,510
	30-May-14	128	4.20	906	3,370
	7-Mar-14	129	<1.66	912	3,420
	3-Dec-13	108	2.80	906	3,520
	4-Sep-13	120	2.80	925	3,600
	23-May-13	47.8	<1.66	742	2,720
	27-Feb-13	3.37	<1.72	396	1,520
	30-Nov-12	<0.0290	<1.72	358	1,450
	20-Aug-12	1.72	<1.72	371	1,460
	8-May-12	1.75	<1.72	339	1,350
	17-Feb-12	2.55	<2.17	410	1,490
	31-Oct-11	4.69	<2.17	451	1,720
	29-Jul-11	24.1	<2.17	504	2,280
	27-Apr-11	92.3	<10.0	921	3,080
	26-Jan-11	47.2	3.64	706	2,490
	1-Oct-10	Not Sampled			
	30-Jun-10	140	<5.0	1,100	3,520
30-Mar-10	107.5	1	1,320	3,861	
8-Dec-09	96	1	1,200	4,073	
12-Aug-09	66	3	1,140	4,317	
4-May-09	52	1	1,100	3,337	
692-03	30-Mar-10	Plugged and Abandoned			
	4-May-09				
692-04	31-Aug-15	Dry			
	26-May-15	Dry			
	3-Mar-15	Not Sampled - insufficient water to sample			
	2-Dec-14	27.1	<1.80	582	2,000
	28-Aug-14	32.5	<1.80	508	2,060
	30-May-14	38.7	4.20	481	2,010
	7-Mar-14	44.4	<1.66	581	2,290
	3-Dec-13	43.5	2.80	646	2,490
	4-Sep-13	Not Sampled - insufficient water to sample			
	23-May-13	71.3	<1.66	676	2,740
	27-Feb-13	25.2	<1.72	625	2,390
	30-Nov-12	24.3	<1.72	573	2,540
	20-Aug-12	42.1	<1.72	689	2,850
	8-May-12	39.6	<1.72	652	2,490
	17-Feb-12	30.2	<2.17	557	2,060
	31-Oct-11	22.9	<2.17	477	1,600
	29-Jul-11	25.2	<2.17	503	1,960
	22-Apr-11	98.5	<2.17	893	3,240
	19-Jan-11	148	3.22	1040	3,740
	28-Sep-10	67.0	<10.0	802	3,060
	30-Jun-10	50	<5.0	590	2,050
30-Mar-10	28	1	600	2,012	
8-Dec-09	31	1	590	2,069	
12-Aug-09	26	1	680	2,158	
4-May-09	26	1	580	2,081	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
692-05	31-Aug-15	5.03	11.9	496	1,380
	26-May-15	3.93	<1.18	474	1,440
	3-Mar-15	3.70	<1.80	430	1,440
	2-Dec-14	4.80	<1.80	447	1,460
	27-Aug-14	5.78	<1.80	424	1,340
	2-Jun-14	6.50	3.50	427	1,460
	14-Mar-14	1.67	<1.66	452	1,440
	4-Dec-13	4.05	2.80	437	1,360
	4-Sep-13	2.12	4.20	446	1,480
	28-May-13	1.90	<1.66	417	1,280
	27-Feb-13	2.16	<1.72	410	1,340
	29-Nov-12	2.28	<1.72	397	1,370
	16-Aug-12	2.73	17.6	455	1,520
	7-May-12	1.92	3.08	420	1,570
	17-Feb-12	2.52	<2.17	423	1,310
	8-Nov-11	2.30	2.94	383	1,230
	1-Aug-11	<1.00	3.50	420	1,710
	26-Apr-11	<2.50	<10.0	401	1,710
	19-Jan-11	4.12	2.10	443	1,280
	1-Oct-10	3.10	<10.0	420	1,430
30-Jun-10	2.1	<1.0	500	1,490	
30-Mar-10	1.5	1	480	1,501	
8-Dec-09	1.4	1	540	1,538	
12-Aug-09	0.8	1	500	1,602	
4-May-09	1.0	1	500	1,477	
692-06	31-Aug-15	2.56	<1.18	444	1,400
	26-May-15	4.29	1.40	480	1,410
	3-Mar-15	3.40	<1.80	444	1,440
	2-Dec-14	3.65	<1.80	461	1,440
	27-Aug-14	3.77	<1.80	434	1,420
	2-Jun-14	3.90	3.50	453	1,500
	7-Mar-14	3.03	<1.66	429	1,400
	3-Dec-13	3.70	2.10	470	1,470
	4-Sep-13	3.19	2.10	423	1,540
	23-May-13	2.71	<1.66	415	1,370
	27-Feb-13	2.81	<1.72	412	1,390
	4-Dec-12	2.19	<1.72	395	1,380
	16-Aug-12	3.24	3.36	418	1,400
	8-May-12	2.62	<1.72	397	1,620
	17-Feb-12	9.39	<2.17	459	1,200
	8-Nov-11	6.46	<2.17	425	1,450
	1-Aug-11	6.07	2.80	409	1,500
	26-Apr-11	4.50	<10.0	422	1,590
	19-Jan-11	4.95	2.10	431	1,360
	1-Oct-10	11.0	<10.0	373	1,490
30-Jun-10	7.4	<1.0	440	1,470	
30-Mar-10	3.9	1	460	1,532	
8-Dec-09	2.3	1	540	1,609	
12-Aug-09	2.8	1	440	1,555	
4-May-09	2.9	1	500	1,552	

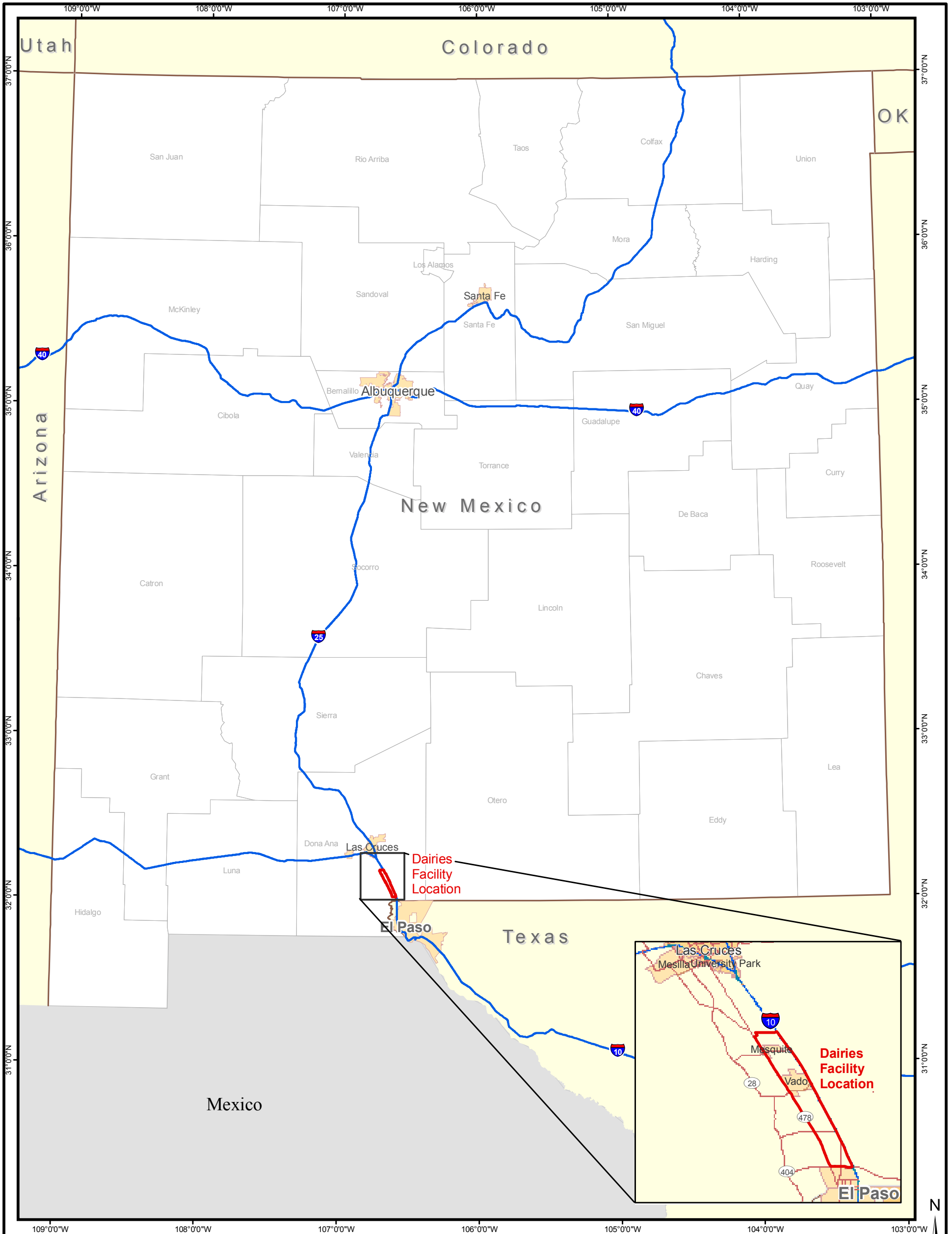
**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
692-07	31-Aug-15	2.97	<1.18	578	1,570
	26-May-15	2.93	<1.18	589	1,580
	3-Mar-15	3.53	<1.80	668	1,580
	2-Dec-14	Pump was not operational			
	27-Aug-14	Not Sampled - insufficient water to sample			
	2-Jun-14	3.20	2.80	527	1,590
	14-Mar-14	3.26	<1.66	544	1,580
	4-Dec-13	4.26	2.10	581	1,600
	4-Sep-13	4.17	<1.66	550	1,840
	28-May-13	3.68	<1.66	524	1,530
	27-Feb-13	3.82	<1.72	563	1,630
	30-Nov-12	4.05	<1.72	535	1,660
	16-Aug-12	5.36	3.50	549	1,780
	8-May-12	3.55	<1.72	530	1,780
	17-Feb-12	4.76	<2.17	518	1,600
	12-Nov-11	5.22	<2.17	555	780
	1-Aug-11	<1.00	2.66	567	2,000
	26-Apr-11	39.3	<10.0	694	2,520
	19-Jan-11	17.2	2.38	589	1,100
	1-Oct-10	27.0	< 10.0	617	2,300
	30-Jun-10	Not Sampled			
	30-Mar-10	42	1	820	2,967
	8-Dec-09	28	1	860	3,131
12-Aug-09	36	1	780	3,041	
4-May-09	50	1	960	3,480	
692-08	31-Aug-15	<0.194	<1.18	432	1,380
	28-May-15	0.652	<1.18	460	1,430
	2-Mar-15	3.34	<1.80	433	1,360
	2-Dec-14	2.65	<1.80	437	1,370
	27-Aug-14	2.71	<1.80	418	1,300
	2-Jun-14	4.70	4.90	435	1,300
	14-Mar-14	4.27	<1.66	435	1,430
	4-Dec-13	3.22	<1.66	456	1,320
	4-Sep-13	3.58	2.10	430	1,360
	28-May-13	3.49	<1.66	434	2,760
	27-Feb-13	6.27	<1.72	424	1,380
	30-Nov-12	11.70	<1.72	393	1,500
	20-Aug-12	2.98	<1.72	410	1,340
	8-May-12	1.84	<1.72	364	1,560
	17-Feb-12	3.94	<2.17	452	1,390
	8-Nov-11	2.60	2.80	436	1,340
	1-Aug-11	<1.00	<2.17	386	2,240
	26-Apr-11	3.49	<10.0	435	1,440
	19-Jan-11	3.26	<2.05	431	1,120
	1-Oct-10	5.70	<10.0	386	1,390
	30-Jun-10	3.5	<1.0	460	1,430
	30-Mar-10	3.0	1	520	1,518
	8-Dec-09	2.5	1	500	1,459
12-Aug-09	1.8	1	520	1,476	
4-May-09	2.0	1	480	1,476	

**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
692-09	31-Aug-15	3.04	<1.18	434	1,290
	28-May-15	2.85	<1.18	460	1,380
	3-Mar-15	2.35	<1.80	428	1,300
	2-Dec-14	1.94	<1.80	444	1,420
	28-Aug-14	4.36	<1.80	418	1,450
	2-Jun-14	6.81	<1.80	459	1,300
	14-Mar-14	6.08	<1.66	453	1,460
	4-Dec-13	3.43	2.10	465	1,440
	4-Sep-13	8.52	3.50	452	1,460
	28-May-13	8.92	<1.66	457	1,410
	27-Feb-13	9.50	<1.72	465	1,440
	29-Nov-12	7.91	13.3	425	1,410
	20-Aug-12	7.71	<1.72	400	1,480
	7-May-12	7.80	<1.72	391	1,470
	17-Feb-12	6.89	<2.17	457	1,450
	8-Nov-11	10.6	<2.17	455	1,400
	1-Aug-11	12.6	<2.17	407	1,300
	26-Apr-11	10.8	<10.0	420	1,140
	18-Jan-11	12.0	<2.05	460	1,160
	1-Oct-10	15.0	<10.0	387	1,480
30-Jun-10	22	<5.0	480	1,500	
30-Mar-10	11	1	520	1,606	
8-Dec-09	10	1	460	1,536	
12-Aug-09	6	1	460	1,675	
4-May-09	6	1	480	1,545	
NMWQCC Standard		10	NA	250	1,000
<p>NOTES:</p> <p>Data suspect</p> <p>mg/l = milligrams per liter</p> <p>ND = Non-detect</p> <p>NMWQCC = New Mexico Water Quality Control Commission</p> <p>TDS = Total dissolved solids</p> <p>TKN = Total Kjeldahl nitrogen</p> <p>Highlight is at or above NMWQCC Standard</p>					

FIGURES

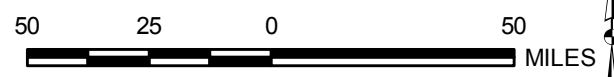


LEGEND:


 Facility Boundary

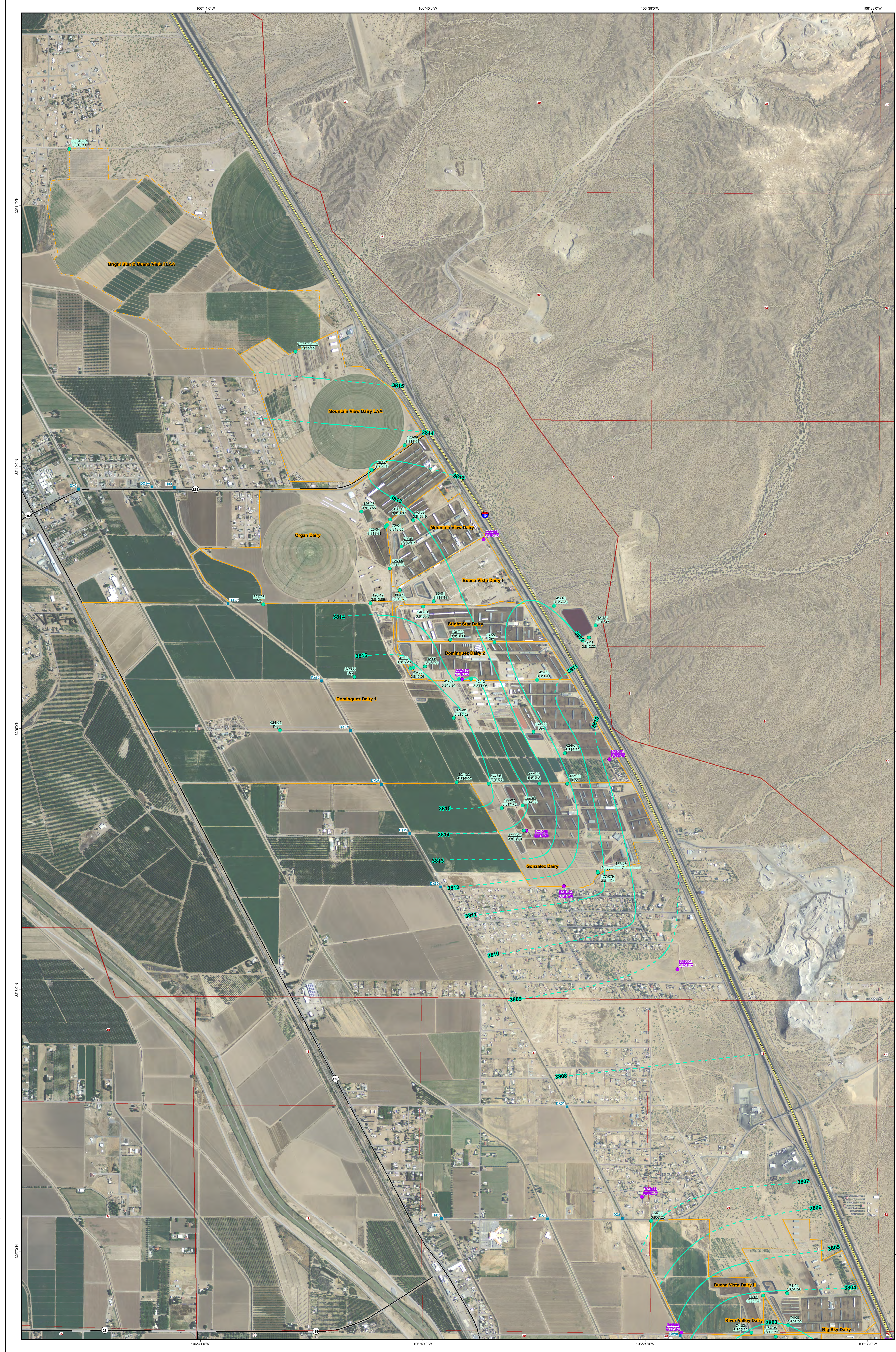
REFERENCES

Base Data: ESRI, 2008.



SCALE 1:2,500,000
WHEN PRODUCED AT 11X17IN

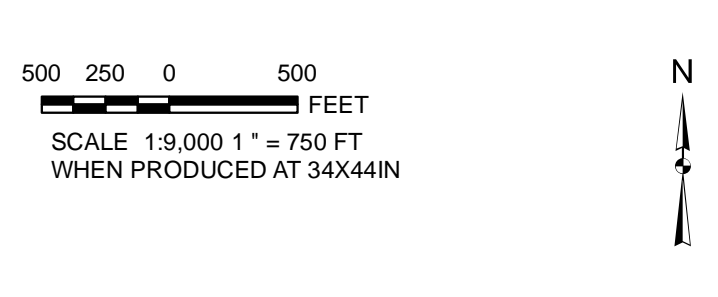
PROJECT		DOÑA ANA DAIRIES MESQUITE, NEW MEXICO	
TITLE		SITE LOCATION MAP	
	PROJECT No.	11x17_siteloc.mxd	
	DESIGN		SCALE AS SHOWN
	GIS		REV 0
	CHECK		
REVIEW			
			FIGURE 1



- LEGEND**
- Drain Crossing Location
 - Discharge Plan Well with Water Elevation
 - Abatement Plan Well with Water Elevation
 - Interstate Highway
 - State Highway
 - Other Road
 - Land Owned by Dairies
 - Land Application on Non-Dairy Property
 - Public Land Survey System

Note:
 * = Well not used in contouring

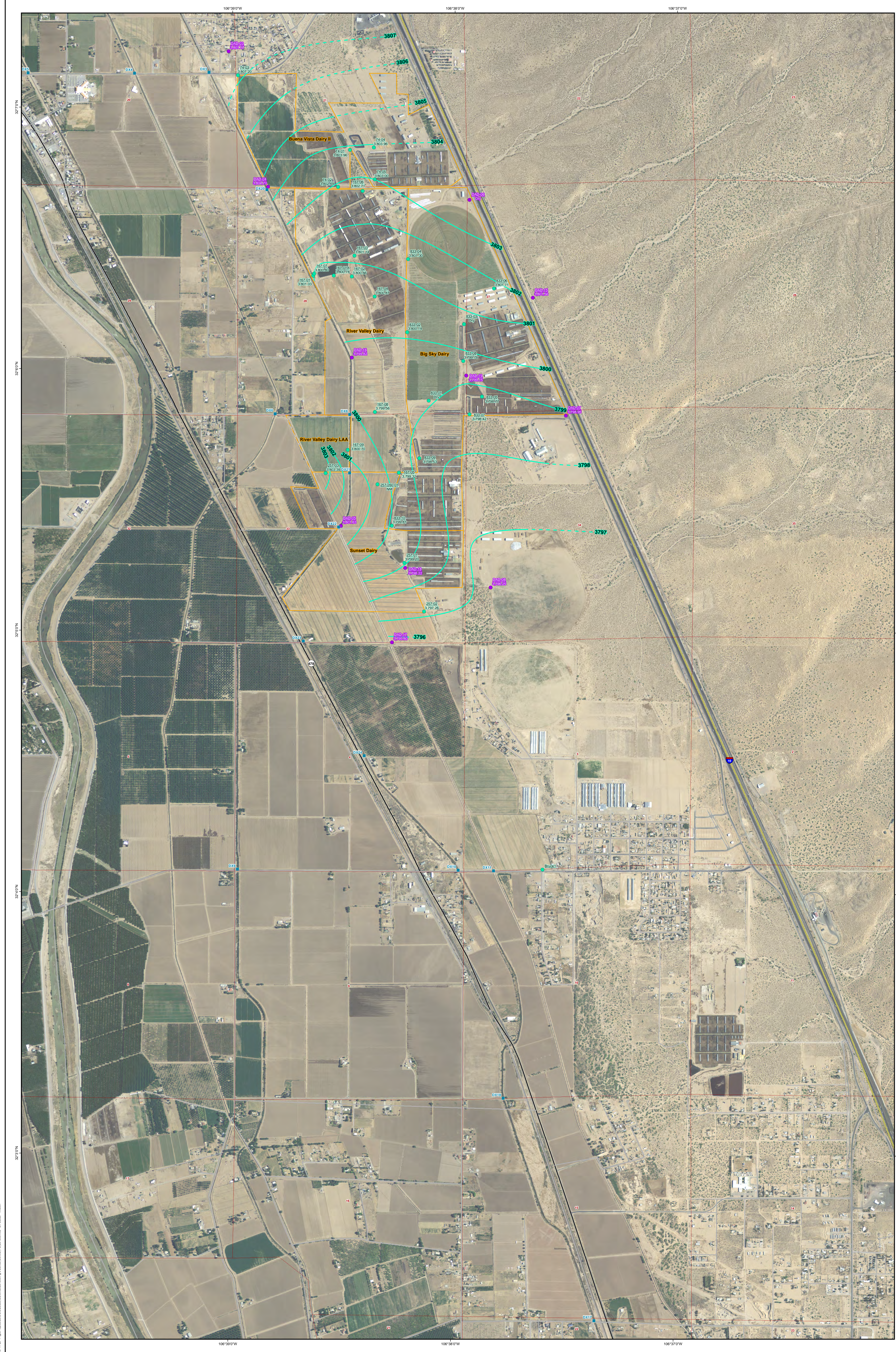
REFERENCES
 Roads: Doña Ana County, 2001
 Aerial Photography: NARS, 2011
 PLSS: BLM, 2000
 Projection: State Plane NAD 83 New Mexico Central (feet)



PROJECT		DOÑA ANA DAIRIES MESQUITE, NEW MEXICO	
DATE		AUGUST 2015, NORTHERN PORTION	
PROJECT NO.	PROJECT NAME	DRAWN BY	CHECKED BY
DATE	SCALE	DATE	SCALE
PROJECT	PROJECT	PROJECT	PROJECT

EA **FIGURE 2**

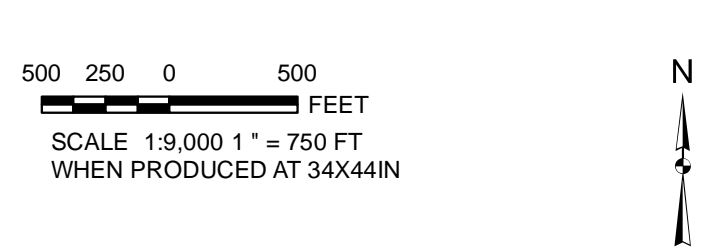
2015-11-18 10:45:00 AM C:\Users\jgarcia\Documents\2015-11-18 10:45:00 AM\2015-11-18 10:45:00 AM.dwg



- LEGEND**
- Drain Crossing Location
 - Discharge Plan Well With Water Elevations (Feet MSL)
 - Abatement Plan Well With Water Elevations (Feet MSL)
 - Potentiometric Contour
 - Potentiometric Contour - Assumed
 - Land Owned by Dairies
 - Land Application on Non-Dairy Property
 - Public Land Survey System
- Note:
NM = Not measured

REFERENCES

Roads: Dona Ana County, 2001
 Aerial Photography: NAR, 2011
 PLSS: BLM, 2000
 Projection: State Plane NAD 83 New Mexico Central (feet)



PROJECT: DOÑA ANA DAIRIES
 MESQUITE, NEW MEXICO

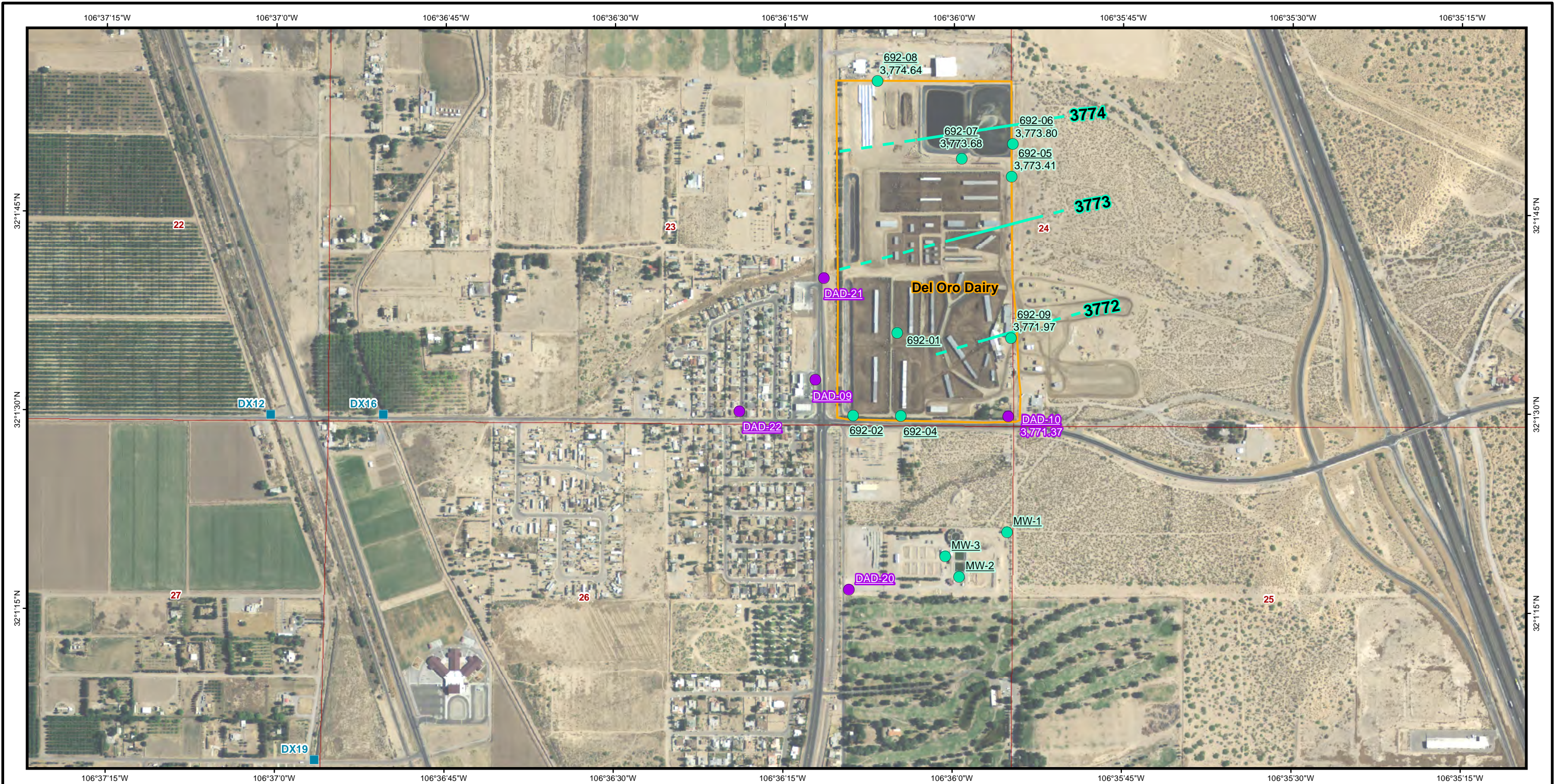
DATE: POTENTIOMETRIC SURFACE MAP,
 AUGUST 2015, CENTRAL PORTION

PROJECT NO.	DATE	BY	CHECKED

FIGURE 3

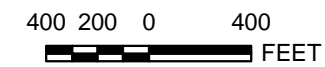
2015-08-10 10:00 AM C:\Users\jgarcia\OneDrive\Documents\DOÑA ANA DAIRIES\Map\DOÑA ANA DAIRIES - POTENTIOMETRIC SURFACE MAP - AUGUST 2015 - CENTRAL PORTION.dwg

2015-11-25 P:\gis\Projects\Dona Ana\Dallas_GISMXDs\201508\Fig 4 SouthRegionAq_Pot_201508.mxd EA-Dallas rmullen



LEGEND:

- Drain Crossing Location
- Discharge Plan Well with Water Elevation (Feet Above Mean Sea Level)
- Abatement Plan Well With Water Elevations (Feet Above Mean Sea Level)
- Potentiometric Contour
- - - Potentiometric Contour - Assumed
- Land Owned by Dairies
- Public Land Survey System



SCALE 1:9,000 1" = 750 FT
WHEN PRODUCED AT 11X17IN

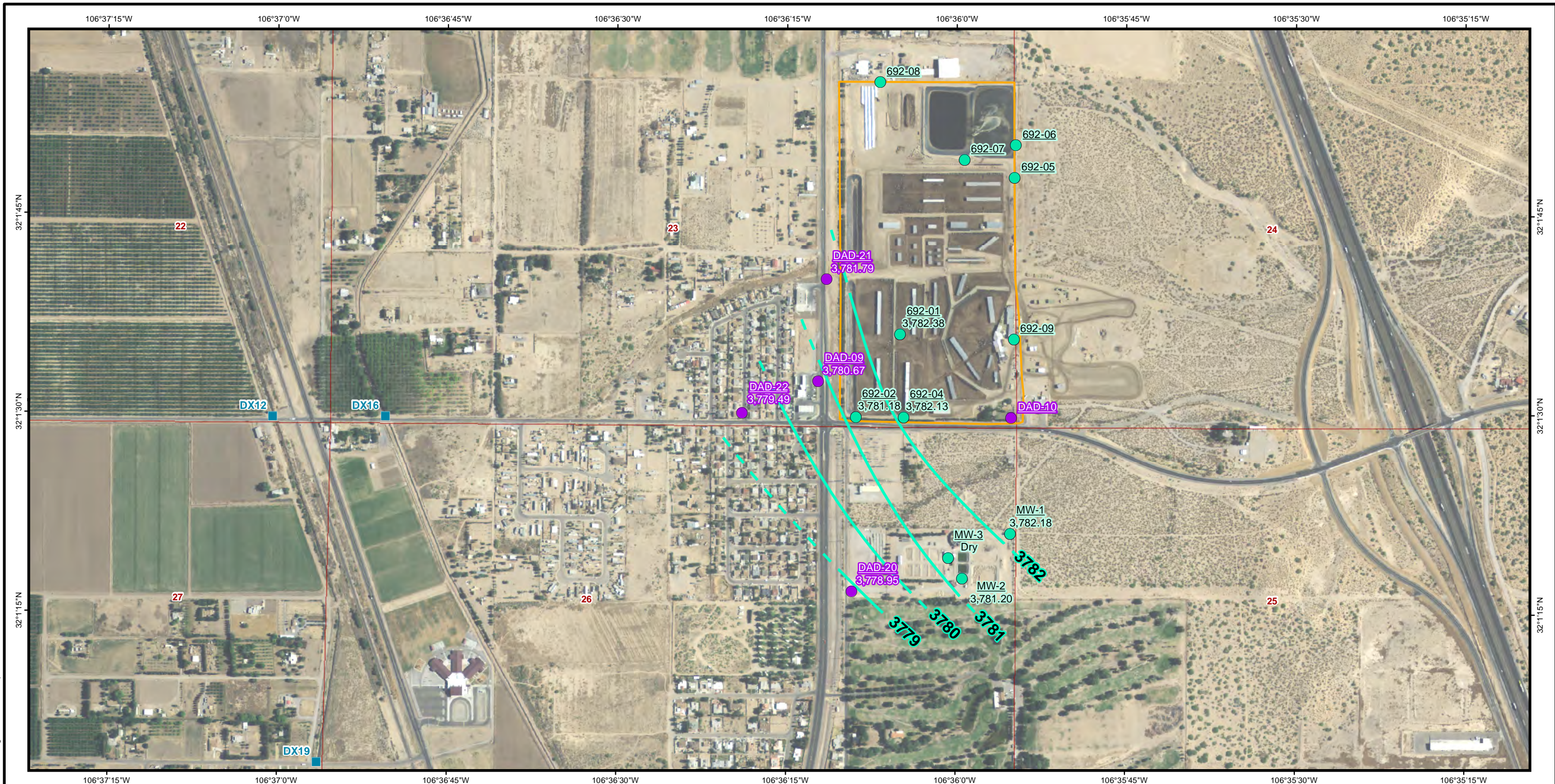


REFERENCES

Aerial Photography: NAIP, 2011
PLSS: BLM, 2000
Projection: State Plane NAD 83 New Mexico Central (feet)

PROJECT			
DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
TITLE			
POTENTIOMETRIC SURFACE MAP, AUGUST 2015, SOUTHERN PORTION REGIONAL AQUIFER			
	PROJECT No. 1464103		Fig 4 SouthRegionAq_Pot.mxd
	DESIGN	NA	SCALE AS SHOWN
	GIS	RMM	REV 0
	CHECK		
	REVIEW		
			FIGURE 4

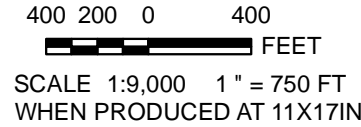
2015-11-25 P:\gis\Projects\Dona Ana\Dallas_GIS\MapDocs\201508\Fig 5 SouthPerchAq_Pot_201508.mxd EA-Dallas rmullen



LEGEND:

- Drain Crossing Location
- Discharge Plan Well With Water Elevations (Feet MSL)
- Abatement Plan Well With Water Elevations (Feet MSL)
- Potentiometric Contour
- - - Potentiometric Contour - Assumed
- Land Owned by Dairies
- Public Land Survey System

Note:
* = Not used in contouring.



REFERENCES
Aerial Photography: NAIP, 2011
PLSS: BLM, 2000
Projection: State Plane NAD 83 New Mexico Central (feet)

PROJECT			
DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
TITLE			
POTENTIOMETRIC SURFACE MAP, MAY 2015, SOUTHERN PORTION PERCHED AQUIFER			
	PROJECT No. 1464103		Fig 5 SouthPerchAq_Pot.mxd
	DESIGN	NA	SCALE AS SHOWN
	GIS	RMM	REV 0
	CHECK		
REVIEW			
			FIGURE 5



- LEGEND:**
- Abatement Plan Monitoring Wells
 - Discharge Plan Monitoring Wells
 - Interstate Highway
 - State Highway
 - Other Road
 - Land Owned by Dairies
 - Land Application on Non-Dairy Property
 - Public Land Survey System
- Notes:**
Units are in milligrams per liter.
Cl = Chloride
NO₃ = Nitrate as N
TDS = Total Dissolved Solids

REFERENCES
Roads: Doña Ana County, 2001
Aerial Photography: NAIP, 2011
PLSS: BLM, 2009
Projection: State Plane NAD 83 New Mexico Central (feet)

500 250 0 250 500
SCALE 1:4,800 1" = 400 FT
WHEN PRODUCED AT 34x44IN

PROJECT	
DOÑA ANA DAIRIES MESQUITE, NEW MEXICO	
GROUND WATER ANALYTICAL RESULTS, AUGUST-SEPTEMBER 2015, NORTHERN PORTION	
DATE	REVISED
BY	BY
CHECKED	CHECKED
APPROVED	APPROVED

FIGURE 6



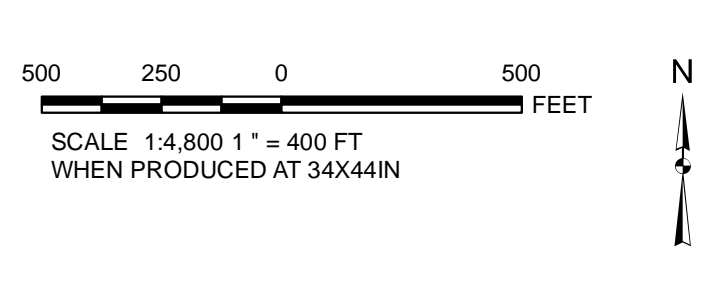
LEGEND:

- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- Interstate Highway
- State Highway
- Other Road
- Land Owned by Dairies
- Land Application on Non-Dairy Property
- Public Land Survey System

Notes:
 Units are in milligrams per liter.
 Cl- = Chloride
 NO₃-N = Nitrate as N
 TDS = Total Dissolved Solids

REFERENCES

Roads: Doña Ana County, 2011
 Aerial Photography: NARS, 2011
 PLSS: BLM, 2009
 Projection: State Plane NAD 83 New Mexico Central (feet)



PROJECT: DOÑA ANA DAIRIES
 MESQUITE, NEW MEXICO

GROUND WATER ANALYTICAL RESULTS
 AUGUST/SEPTEMBER 2015
 CENTRAL PORTION

DATE:	DATE:	DATE:
TIME:	TIME:	TIME:
BY:	BY:	BY:
CHECKED:	CHECKED:	CHECKED:

EA

FIGURE 7



LEGEND:

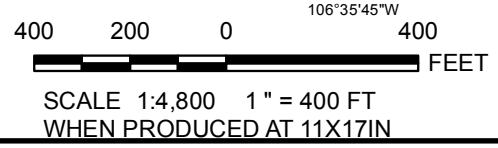
- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- Land Owned by Dairies
- Public Land Survey System

Notes:
Units are in milligrams per liter.

Cl = Chloride
NO₃ = Nitrate as N
TDS = Total Dissolved Solids

REFERENCES

Aerial Photography: NAIP, 2011
PLSS: BLM, 2000
Projection: State Plane NAD 83 New Mexico Central (feet)



PROJECT			
DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
TITLE			
GROUNDWATER ANALYTICAL RESULTS AUGUST/SEPTEMBER 2015, SOUTHERN PORTION, REGIONAL AQUIFER			
	PROJECT No. 1464103.0006	Fig8SouthRegionAq_Analytical.mxd	
	DESIGN NA	SCALE AS SHOWN	REV 0
	GIS RM		
	CHECK		
REVIEW			FIGURE 8



LEGEND:

- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- Land Owned by Dairies
- Public Land Survey System

Notes:
Units are in milligrams per liter.

Cl = Chloride
NO₃ = Nitrate as N
TDS = Total Dissolved Solids

REFERENCES

Aerial Photography: NAIP, 2011
PLSS: BLM, 2000
Projection: State Plane NAD 83 New Mexico Central (feet)

400 200 0 400
106°35'45"W
SCALE 1:4,800 1" = 400 FT
WHEN PRODUCED AT 11X17IN



PROJECT			
DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
TITLE			
GROUNDWATER ANALYTICAL RESULTS AUGUST/SEPTEMBER 2015, SOUTHERN PORTION, PERCHED AQUIFER			
	PROJECT No. 1464103.0006	deloro_analytical_perched200908.mxd	
	DESIGN NA	SCALE AS SHOWN	REV 0
	GIS RM		
	CHECK		
REVIEW			FIGURE 9

**APPENDIX A
SAMPLING FIELD FORMS
(Electronic Format – CD)**

ATTACHMENT D
MONITOR WELL FLUID GAUGING FIELD FORM
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Northing ^a	Easting ^a	Date	Time	Depth to Water (ft) ^b	Notes or Total Depth (ft) ^b
SOUTHERN AREA						
Del Oro Dairy (DP-692)						
692-01	373615.88	1531529.38	8-6	1:08	61.75	Pump
692-02	372984.72	1531192.10	8-6	1:04	59.66	66.65
692-04	372982.53	1531555.21	8-6	1:00	60.53	61.99
692-05	374807.26	1532403.00	8-6	1:32	80.85	Pump
692-06	375054.77	1532411.83	8-6	1:26	82.68	90.13
692-07	374944.88	1532019.81	8-6	1:21	74.52	Pump
692-08	375535.69	1531378.09	8-6	1:15	68.45	Pump
692-09	373575.83	1532395.09	8-6	1:36	87.0	
ADDITIONAL WELLS AND DRAIN CROSSINGS (DAD)						
Bruce1	388741.02	1523777.06	3808.92			
Bruce2	NM	NM	NM			Destroyed
Anthony Waste Water Treatment Plant (DAD)						
MW-1	372097.86	1532364.36	8-7	8:20	60.85	62.77
MW-2	NM	NM	8-7	8:22	62.05	63.59
MW-3	NM	NM	8-7	8:25	dry	59.02
ABATEMENT PLAN MONITOR WELLS						
DAD-01	422970.59	1512825.76	8/6	11:00	73.54	76.16
DAD-02	413002.98	1517319.93	8/6	11:05	67.25	68.07
DAD-03	407721.31	1516497.85	8/6	11:11	13.11	15.05
DAD-04	404576.66	1517413.28	8/6	11:19	16.77	18.44
DAD-05	396712.87	1519102.06	8/6	11:26	13.9	23.33
DAD-06	404273.19	1522081.00	8/6	11:32	DRY	83.46
DAD-07	399270.18	1524320.88	8/6	11:39	92.43	100.66
DAD-08	395287.38	1522575.07	8/6	11:44	52.9	55.65
DAD-09	373259.30	1530905.70	8/6	11:52	57.36	61.41
DAD-10	372980.55	1532375.33	8/6	12:02	83.56	94.38
DAD-11			8/6 11:21	11:21	22.38	47.34
DAD-12			8/6	11:15	52.87	82.28
DAD-13			8/6	11:10	88.65	92.77
DAD-14			8/6	11:26	30.47	42.44
DAD-15			8/6	12:08	96.05	109.45
DAD-16			8/6	12:13	19.46	32.62
DAD-17			8/6	12:19	26.98	38.21
DAD-18			8/6	12:25	22.7	56.92
DAD-19			8/6	12:35	65.35	99.17
DAD-20			8/6	12:41	54.32	69.00
DAD-21			8/6	12:30	57.83	66.50
DAD-22			8/6	12:46	47.65	50.04

ATTACHMENT D
MONITOR WELL FLUID GAUGING FIELD FORM
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Northing ^a	Easting ^a	Date	Time	Depth to Water (ft) ^b	Notes or Total Depth (ft) ^b
NORTHERN AREA						
Northern Land Application Area (DP-340)						
70-03	424580.78	1510233.88	8-5	9:51	58.45	61.25
70/86/340-01	427320.92	1508461.05	8-5	9:46	51.22	67.72
86/340-01	432021.33	1503216.90	8-5	9:37	57.73	70.02
Del Norte Dairy (DP-126)						
126-04	423258.23	1510546.24	8-5	10:54	37	38.72
126-05	422293.26	1510649.84	8-5	10:56	29.38	31.51
126-07	423613.62	1509986.47	8-5	10:51	37.39	39.12
126-09	425154.15	1510994.31	8-5	9:54	79.72	82.56
126-12	421492.11	1510198.45	8-5	10:59	25.02	29.92
126-13	423431.96	1510657.41	8-5	10:49	44	58.83
Mountain View Dairy (DP-70)						
70-01	423303.43	1510585.63	8-5	10:12	38.59	46.57
70-02	423412.73	1511192.51	8-5	10:17	48.06	49.63
70-04			8-5	10:00	36.84	47.85
Buena Vista Dairy I (DP-86) - GAUGE ONLY						
86-01	421534.62	1511667.76	8-5	10:05	51.83	54.39
86-02	421792.08	1510881.53	8-5	10:01	34.35	48.53
Bright Star Dairy (DP-340)						
340-01	421410.13	1511423.42	8-5	10:43 10:43	51.11	45.01 - 48.03
340-02	420641.08	1512051.57	8-5	10:44 10:44	51.11	56.46 - 56.61
Gonzalez Dairy (DP-177)						
177-01	417300.94	1512942.63	8-5	13:30	92.28	25.26
177-02	416738.21	1513246.51	8-5	13:35	19.91	25.28
177-03A	416211.35	1513814.71	8-5	13:57	47.63	35.17
177-04	416796.99	1513733.28	8-5	14:00	26.25	46.21
177-05	417302.42	1514116.55	8-5	14:05	38.15	48.79
177-06	417301.84	1514765.63	8-5	14:10	DRY	51.70
177-07R	415258.95	1515471.64	8-5	13:41	47.67	54.10
Dominguez 2 Dairy (DP-42)						
42-02	419982.45	1511126.19	8-5	11:25	29.41	Pump
42-03	419710.55	1514064.35	8-5	11:15	87.05	Pump
42-06	420021.61	1511465.15	8-5	11:27	35.52	Pump
42-07	420584.80	1513076.66	8-5	11:33	DRY	Pump
42-08	419994.93	1511197.91	8-5	11:25	31.45	Pump
42-09	419729.17	1512255.76	8-5	11:28	51.34	Pump
42-10	421426.39	1514460.40	8-5	11:55	117	Pump
42-11	420693.98	1515270.32	8-5	11:35	127.08	Pump
42-12	420972.09	1515423.88	8-5	11:45	134.36	Pump
42-13	419734.06	1512534.42	8-5	11:30	59.04	Pump

ATTACHMENT D
MONITOR WELL FLUID GAUGING FIELD FORM
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Northing ^a	Easting ^a	Date	Time	Depth to Water (ft) ^b	Notes or Total Depth (ft) ^b
Dominguez Dairy (DP-624)						
624-01	418826.21	1512131.46	8-5	12:58	28.20	46.69
624-02	417335.25	1512201.42	8-5	13:07	19.45	37.29
624-04	418542.24	1508104.07	8-5	13:15	DRY	17.49
624-05	419777.52	1509829.65	8-5	13:25	DRY	17.41
624-06	418502.42	1513981.08	8-5	12:35	DRY	52.24
624-07	418012.23	1514707.77	8-5	12:56	55.56	55.69
624-08	421461.78	1507712.04	8-5	12:45	DRY	19.39
CENTRAL AREA						
Buena Vista Dairy II (DP-74)						
74-01	405434.93	1519310.15				
74-02	404574.08	1519035.52				
74-03	407163.61	1516711.72				
74-04	405488.65	1519864.48				
74-05	404747.71	1519885.30				
River Valley Dairy (DP-167)						
167-01	402518.37	1518459.71				gauge only/do not sample
167-01A	402518.18	1518936.72				
167-02	402498.30	1519354.81				
167-03	402981.73	1519415.73				
167-04	402032.19	1519884.60				
167-05	397947.44	1520446.03				
167-06	404479.35	1519603.88				
167-07	402562.23	1518480.34				
167-08	399352.96	1519889.65				
167-09	398473.95	1519259.34				
Big Sky Dairy (DP-833)						
833-01	399617.23	1521136.33				
833-02	401200.32	1520639.92				
833-03	401392.09	1521955.23				
833-04	402898.52	1520659.33				
833-05	399712.39	1522374.73				
833-06	402219.48	1522652.04				
833-07	399298.80	1522082.75				
833-08	400535.64	1521938.23				
833-09	398280.67	1520918.52				
833-10	396715.89	1520283.60				
Sunset/Desert Land Dairy (DP-257)						
257-01	395856.31	1520572.16				
257-02	394728.34	1521030.29				
257-03	397935.69	1518746.14				
257/260-01	397678.36	1519948.22				

ATTACHMENT D
MONITOR WELL FLUID GAUGING FIELD FORM
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Northing ^a	Easting ^a	Date	Time	Depth to Water (ft) ^b	Notes or Total Depth (ft) ^b
NORTHERN AREA						
Northern Land Application Area (DP-340)						
70-03	424580.78	1510233.88	8-5	9:51	58.45	61.25
70/86/340-01	427320.92	1508461.05	8-5	9:46	51.22	67.72
86/340-01	432021.33	1503216.90	8-5	9:37	57.73	70.02
Del Norte Dairy (DP-126)						
126-04	423258.23	1510546.24	8-5	10:54	37	38.72
126-05	422293.26	1510649.84	8-5	10:56	29.38	31.51
126-07	423613.62	1509986.47	8-5	10:51	37.39	39.12
126-09	425154.15	1510994.31	8-5	9:54	79.72	82.56
126-12	421492.11	1510198.45	8-5	10:59	25.02	29.92
126-13	423431.96	1510657.41	8-5	10:49	44	58.83
Mountain View Dairy (DP-70)						
70-01	423303.43	1510585.63	8-5	10:12	38.59	46.57
70-02	423412.73	1511192.51	8-5	10:17	48.06	49.63
70-04			8-5	10:00	36.84	47.85
Buena Vista Dairy I (DP-86) - GAUGE ONLY						
86-01	421534.62	1511667.76	8-5	10:05	51.83	54.39
86-02	421792.08	1510881.53	8-5	10:01	34.35	48.53
Bright Star Dairy (DP-340)						
340-01	421410.13	1511423.42	8-5	10:43 10:43	51.11	45.01 - 48.03
340-02	420641.08	1512051.57	8-5	10:44 10:44	51.11	56.46 - 56.61
Gonzalez Dairy (DP-177)						
177-01	417300.94	1512942.63	8-5	13:30	92.28	25.26
177-02	416738.21	1513246.51	8-5	13:35	19.91	25.28
177-03A	416211.35	1513814.71	8-5	13:57	47.63	35.17
177-04	416796.99	1513733.28	8-5	14:00	26.25	46.21
177-05	417302.42	1514116.55	8-5	14:05	38.15	48.79
177-06	417301.84	1514765.63	8-5	14:10	DRY	51.70
177-07R	415258.95	1515471.64	8-5	13:41	47.67	54.10
Dominguez 2 Dairy (DP-42)						
42-02	419982.45	1511126.19	8-5	11:25	29.41	Pump
42-03	419710.55	1514064.35	8-5	11:15	87.05	Pump
42-06	420021.61	1511465.15	8-5	11:27	35.52	Pump
42-07	420584.80	1513076.66	8-5	11:33	DRY	Pump
42-08	419994.93	1511197.91	8-5	11:25	31.45	Pump
42-09	419729.17	1512255.76	8-5	11:28	51.34	Pump
42-10	421426.39	1514460.40	8-5	11:55	117	Pump
42-11	420693.98	1515270.32	8-5	11:35	127.08	Pump
42-12	420972.09	1515423.88	8-5	11:45	134.36	Pump
42-13	419734.06	1512534.42	8-5	11:30	59.04	Pump

ATTACHMENT D
MONITOR WELL FLUID GAUGING FIELD FORM
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Northing ^a	Easting ^a	Date	Time	Depth to Water (ft) ^b	Notes or Total Depth (ft) ^b
Dominguez Dairy (DP-624)						
624-01	418826.21	1512131.46	8-5	12:58	28.20	46.69
624-02	417335.25	1512201.42	8-5	13:07	19.45	37.29
624-04	418542.24	1508104.07	8-5	13:15	DRY	17.49
624-05	419777.52	1509829.65	8-5	13:25	DRY	17.41
624-06	418502.42	1513981.08	8-5	12:35	DRY	52.24
624-07	418012.23	1514707.77	8-5	12:56	55.56	55.69
624-08	421461.78	1507712.04	8-5	12:45	DRY	19.39
CENTRAL AREA						
Buena Vista Dairy II (DP-74)						
74-01	405434.93	1519310.15				
74-02	404574.08	1519035.52				
74-03	407163.61	1516711.72				
74-04	405488.65	1519864.48				
74-05	404747.71	1519885.30				
River Valley Dairy (DP-167)						
167-01	402518.37	1518459.71				gauge only/do not sample
167-01A	402518.18	1518936.72				
167-02	402498.30	1519354.81				
167-03	402981.73	1519415.73				
167-04	402032.19	1519884.60				
167-05	397947.44	1520446.03				
167-06	404479.35	1519603.88				
167-07	402562.23	1518480.34				
167-08	399352.96	1519889.65				
167-09	398473.95	1519259.34				
Big Sky Dairy (DP-833)						
833-01	399617.23	1521136.33				
833-02	401200.32	1520639.92				
833-03	401392.09	1521955.23				
833-04	402898.52	1520659.33				
833-05	399712.39	1522374.73				
833-06	402219.48	1522652.04				
833-07	399298.80	1522082.75				
833-08	400535.64	1521938.23				
833-09	398280.67	1520918.52				
833-10	396715.89	1520283.60				
Sunset/Desert Land Dairy (DP-257)						
257-01	395856.31	1520572.16				
257-02	394728.34	1521030.29				
257-03	397935.69	1518746.14				
257/260-01	397678.36	1519948.22				

ATTACHMENT D
 MONITOR WELL FLUID GAUGING FIELD FORM
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Northing ^a	Easting ^a	Date	Time	Depth to Water (ft) ^b	Notes or Total Depth (ft) ^b
NORTHERN AREA						
Northern Land Application Area (DP-340)						
70-03	424580.78	1510233.88	8-5	9:51	58.45	61.25
70/86/340-01	427320.92	1508461.05	8-5	9:46	51.22	67.72
86/340-01	432021.33	1503216.90	8-5	9:37	57.73	70.02
Del Norte Dairy (DP-126)						
126-04	423258.23	1510546.24	8-5	10:54	37	38.22
126-05	422293.26	1510649.84	8-5	10:56	29.38	31.51
126-07	423613.62	1509986.47	8-5	10:51	37.39	39.12
126-09	425154.15	1510994.31	8-5	9:54	79.72	82.56
126-12	421492.11	1510198.45	8-5	10:59	25.02	29.92
126-13	423431.96	1510657.41	8-5	10:49	44	58.83
Mountain View Dairy (DP-70)						
70-01	423303.43	1510585.63	8-5	10:12	38.59	46.57
70-02	423412.73	1511192.51	8-5	10:17	48.06	49.63
70-04			8-5	10:00	36.74	47.85
Buena Vista Dairy I (DP-86) - GAUGE ONLY						
86-01	421534.62	1511667.76	8-5	10:05	51.83	54.39
86-02	421792.08	1510881.53	8-5	10:01	34.35	48.53
Bright Star Dairy (DP-340)						
340-01	421410.13	1511423.42	8-5	10:43 10:43	44.01	45.01 - 48.03
340-02	420641.08	1512051.57	8-5	10:44 10:44	56.46	56.46 - 56.81
Gonzalez Dairy (DP-177)						
177-01	417300.94	1512942.63	8-5	13:30	92.28	25.26
177-02	416738.21	1513246.51	8-5	13:35	19.91	25.28
177-03A	416211.35	1513814.71	8-5	13:45 13:45	47.03	35.17
177-04	416796.99	1513733.28	8-5	14:00	26.25	46.21
177-05	417302.42	1514116.55	8-5	14:05	DRY	48.79
177-06	417301.84	1514765.63	8-5	14:10	DRY	51.70
177-07R	415258.95	1515471.64	8-5	13:41	47.67	54.10
Dominguez 2 Dairy (DP-42)						
42-02	419982.45	1511126.19	8-5	11:25	29.41	Pump
42-03	419710.55	1514064.35	8-5	11:15	87.05	Pump
42-06	420021.61	1511465.15	8-5	11:27	35.52	Pump
42-07	420584.80	1513076.66	8-5	11:33	DRY	Pump
42-08	419994.93	1511197.91	8-5	11:25	31.45	Pump
42-09	419729.17	1512255.76	8-5	11:28	51.34	Pump
42-10	421426.39	1514460.40	8-5	11:55	117	Pump
42-11	420693.98	1515270.32	8-5	11:35	127.08	Pump
42-12	420972.09	1515423.88	8-5	11:45	134.36	Pump
42-13	419734.06	1512534.42	8-5	11:30	59.04	Pump

ATTACHMENT D
MONITOR WELL FLUID GAUGING FIELD FORM
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Northing ^a	Easting ^a	Date	Time	Depth to Water (ft) ^b	Notes or Total Depth (ft) ^b
Dominguez Dairy (DP-624)						
624-01	418826.21	1512131.46	8-5	12:58	28.20	46.69
624-02	417335.25	1512201.42	8-5	13:07	19.45	37.29
624-04	418542.24	1508104.07	8-5	13:15	DRY	17.49
624-05	419777.52	1509829.65	8-5	13:25	DRY	17.41
624-06	418502.42	1513981.08	8-5	12:35	DRY	52.24
624-07	418012.23	1514707.77	8-5	12:56	55.56	65.69
624-08	421461.78	1507712.04	8-5	12:45	DRY	19.39
CENTRAL AREA						
Buena Vista Dairy II (DP-74)						
74-01	405434.93	1519310.15	8-6	8:22	37.05	45.11
74-02	404574.08	1519035.52	8-6	8:12	17.89	20.13
74-03	407163.61	1516711.72	8/6	8:17	16.16	20.07
74-04	405488.65	1519864.48	8/6	8:26	49.21	57.81
74-05	404747.71	1519885.30	8/6	8:30	42.35	56.94
River Valley Dairy (DP-167)						
167-01	402518.37	1518459.71	8/6	8:45	17.91	107.00 gauge only/do not sample
167-01A	402518.18	1518936.72	8/6	8:48	18.1	25.11
167-02	402498.30	1519354.81	8/6	8:52	18.98	21.93
167-03	402981.73	1519415.73	8/6	8:56	24.52	40.80
167-04	402032.19	1519884.60	8/6	9:00	26.73	36.19
167-05	397947.44	1520446.03	8/6	9:14	16.12	21.48
167-06	404479.35	1519603.88	8/6	8:36	32.13	35.63
167-07	402562.23	1518480.34	8/6	8:42	19.10	24.93
167-08	399352.96	1519889.65	8/6	9:09	18.4	30.83
167-09	398473.95	1519259.34	8/6	9:05	16.3	19.73
Big Sky Dairy (DP-833)						
833-01	399617.23	1521136.33	8/6	10:17	DRY	DRY NO KEY
833-02	401200.32	1520639.92	8/6	10:29	35.9	57.60
833-03	401392.09	1521955.23	8/6	10:21		NO KEY
833-04	402898.52	1520659.33	8/6	10:24	44.44	53.63
833-05	399712.39	1522374.73	8/6	10:07	66.74	73.41
833-06	402219.48	1522652.04	8/6	10:34	76.49	85.00
833-07	399298.80	1522082.75	8/6	10:03	62.28	73.40
833-08	400535.64	1521938.23	8/6	10:12	61.98	72.89
833-09	398280.67	1520918.52	8/6	9:50	27.74	39.35
833-10	396715.89	1520283.60	8/6	9:45	20.95	36.92
Sunset/Desert Land Dairy (DP-257)						
257-01	395856.31	1520572.16	8/6	9:40	21.13	25.84
257-02	394728.34	1521030.29	8/6	9:27		NO Key
257-03	397935.69	1518746.14	8/6	9:21	11.35	13.77
257/260-01	397678.36	1519948.22	NA	NA	NA	Crops are too high.

ATTACHMENT D
MONITOR WELL FLUID GAUGING FIELD FORM
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Northing ^a	Easting ^a	Date	Time	Depth to Water (ft) ^b	Notes or Total Depth (ft) ^b
SOUTHERN AREA						
Del Oro Dairy (DP-692)						
692-01	373615.88	1531529.38	8-6	1:08	61.75	Pump
692-02	372984.72	1531192.10	8-6	1:04	59.66	66.65
692-04	372982.53	1531555.21	8-6	1:00	60.53	61.99
692-05	374807.26	1532403.00	8-6	1:32	80.85	Pump
692-06	375054.77	1532411.83	8-6	1:26	82.68	90.13
692-07	374944.88	1532019.81	8-6	1:21	74.52	Pump
692-08	375535.69	1531378.09	8-6	1:15	68.45	Pump
692-09	373575.83	1532395.09	8-6	1:36	87.0	
ADDITIONAL WELLS AND DRAIN CROSSINGS (DAD)						
Bruce1	388741.02	1523777.06	3808.92			
Bruce2	NM	NM	NM			Destroyed
Anthony Waste Water Treatment Plant (DAD)						
MW-1	372097.86	1532364.36				
MW-2	NM	NM				
MW-3	NM	NM				
ABATEMENT PLAN MONITOR WELLS						
DAD-01	422970.59	1512825.76	8/6	11:00	73.54	76.16
DAD-02	413002.98	1517319.93	8/6	11:05	67.25	68.07
DAD-03	407721.31	1516497.85	8/6	11:11	13.91	15.05
DAD-04	404576.66	1517413.28	8/6	11:19	16.77	18.44
DAD-05	396712.87	1519102.06	8/6	11:26	13.9	23.33
DAD-06	404273.19	1522081.00	8/6	11:32	DRY	83.46
DAD-07	399270.18	1524320.88	8/6	11:39	92.43	100.66
DAD-08	395287.38	1522575.07	8/6	11:44	52.9	55.65
DAD-09	373259.30	1530905.70	8/6	11:52	57.36	61.41
DAD-10	372980.55	1532375.33	8/6	12:02	83.56	94.38
DAD-11			8/6	11:21	22.38	47.34
DAD-12			8/6	11:15	52.87	82.28
DAD-13			8/6	11:10	88.65	92.77
DAD-14			8/6	11:26	30.47	42.44
DAD-15			8/6	12:08	46.05	109.45
DAD-16			8/6	12:13	19.46	32.62
DAD-17			8/6	12:19	26.98	38.21
DAD-18			8/6	12:25	22.7	56.92
DAD-19			8/6	12:35	65.35	99.17
DAD-20			8/6	12:41	54.32	69.00
DAD-21			8/6	12:30	57.83	66.50
DAD-22			8/6	12:46	47.65	50.04

ATTACHMENT D
MONITOR WELL FLUID GAUGING FIELD FORM
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Northing ^a	Easting ^a	Date	Time	Depth to Water (ft) ^b	Notes or Total Depth (ft) ^b
NORTHERN AREA						
Northern Land Application Area (DP-340)						
70-03	424580.78	1510233.88	8-5	9:51	58.45	61.25
70/86/340-01	427320.92	1508461.05	8-5	9:46	51.22	67.72
86/340-01	432021.33	1503216.90	8-5	9:37	57.73	70.02
Del Norte Dairy (DP-126)						
126-04	423258.23	1510546.24	8-5	10:54	37	38.22
126-05	422293.26	1510649.84	8-5	10:56	29.38	31.51
126-07	423613.62	1509986.47	8-5	10:51	37.39	39.12
126-09	425154.15	1510994.31	8-5	9:54	79.72	82.56
126-12	421492.11	1510198.45	8-5	10:59	25.02	29.92
126-13	423431.96	1510657.41	8-5	10:49	44	58.83
Mountain View Dairy (DP-70)						
70-01	423303.43	1510585.63	8-5	10:12	38.59	46.57
70-02	423412.73	1511192.51	8-5	10:17	48.06	49.63
70-04			8-5	10:00	36.74	47.85
Buena Vista Dairy I (DP-86) - GAUGE ONLY						
86-01	421534.62	1511667.76	8-5	10:05	51.83	54.39
86-02	421792.08	1510881.53	8-5	10:01	34.35	48.53
Bright Star Dairy (DP-340)						
340-01	421410.13	1511423.42	8-5	10:43 10:43	51.11	45.01 - 48.03
340-02	420641.08	1512051.57	8-5	10:44 10:44	51.11	56.46 - 56.61
Gonzalez Dairy (DP-177)						
177-01	417300.94	1512942.63	8-5	13:30	19.21	25.26
177-02	416738.21	1513246.51	8-5	13:35	19.91	25.28
177-03A	416211.35	1513814.71	8-5	13:45	22.05	35.17
177-04	416796.99	1513733.28	8-5	14:00	26.25	46.21
177-05	417302.42	1514116.55	8-5	14:05	38.65	48.79
177-06	417301.84	1514765.63	8-5	14:10	dry	51.70
177-07R	415258.95	1515471.64	8-5	13:41	47.67	54.10
Dominguez 2 Dairy (DP-42)						
42-02	419982.45	1511126.19	8-5	11:25	29.41	Pump
42-03	419710.55	1514064.35	8-5	11:15	87.05	Pump
42-06	420021.61	1511465.15	8-5	11:27	35.52	Pump
42-07	420584.80	1513076.66	8-5	11:33	DRY	Pump
42-08	419994.93	1511197.91	8-5	11:25	31.45	Pump
42-09	419729.17	1512255.76	8-5	11:28	51.34	Pump
42-10	421426.39	1514460.40	8-5	11:55	117	Pump
42-11	420693.98	1515270.32	8-5	11:35	127.08	Pump
42-12	420972.09	1515423.88	8-5	11:45	134.36	Pump
42-13	419734.06	1512534.42	8-5	11:30	59.04	Pump

ATTACHMENT D
MONITOR WELL FLUID GAUGING FIELD FORM
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Northing ^a	Easting ^a	Date	Time	Depth to Water (ft) ^b	Notes or Total Depth (ft) ^b
Dominguez Dairy (DP-624)						
624-01	418826.21	1512131.46	8-5	12:58	28.20	46.69
624-02	417335.25	1512201.42	8-5	13:07	19.45	37.29
624-04	418542.24	1508104.07	8-5	13:15	DRY	17.49
624-05	419777.52	1509829.65	8-5	13:25	DRY	17.41
624-06	418502.42	1513981.08	8-5	12:35	DRY	52.24
624-07	418012.23	1514707.77	8-5	12:56	55.56	55.69
624-08	421461.78	1507712.04	8-5	12:45	DRY	19.39
CENTRAL AREA						
Buena Vista Dairy II (DP-74)						
74-01	405434.93	1519310.15	8-6	8:22	37.05	45.11
74-02	404574.08	1519035.52	8-6	8:12	17.89	20.13
74-03	407163.61	1516711.72	8/6	8:17	16.16	20.07
74-04	405488.65	1519864.48	8/6	8:26	49.21	57.81
74-05	404747.71	1519885.30	8/6	8:30	42.35	56.94
River Valley Dairy (DP-167)						
167-01	402518.37	1518459.71	8/6	8:45	17.91	107.00 gauge only/do not sample
167-01A	402518.18	1518936.72	8/6	8:48	18.1	25.11
167-02	402498.30	1519354.81	8/6	8:52	18.98	21.93
167-03	402981.73	1519415.73	8/6	8:56	24.52	40.80
167-04	402032.19	1519884.60	8/6	9:00	26.73	30.19
167-05	397947.44	1520446.03	8/6	9:14	16.12	21.48
167-06	404479.35	1519603.88	8/6	8:36	32.13	35.63
167-07	402562.23	1518480.34	8/6	8:42	18.28	24.93
167-08	399352.96	1519889.65	8/6	9:09	18.4	30.83
167-09	398473.95	1519259.34	8/6	9:05	16.3	19.73
Big Sky Dairy (DP-833)						
833-01	399617.23	1521136.33	8/6	10:17	DRY	36.32
833-02	401200.32	1520639.92	8/6	10:29	35.9	57.68
833-03	401392.09	1521955.23	8/6	10:21	DRY	62.73
833-04	402898.52	1520659.33	8/6	10:24	44.44	53.63
833-05	399712.39	1522374.73	8/6	10:07	66.74	73.41
833-06	402219.48	1522652.04	8/6	10:34	76.49	85.08
833-07	399298.80	1522082.75	8/6	10:03	62.28	73.40
833-08	400535.64	1521938.23	8/6	10:12	61.98	72.89
833-09	398280.67	1520918.52	8/6	9:50	27.74	39.35
833-10	396715.89	1520283.60	8/6	9:45	20.95	36.92
Sunset/Desert Land Dairy (DP-257)						
257-01	395856.31	1520572.16	8/6	9:40	21.13	25.84
257-02	394728.34	1521030.29	8/6	9:27	16.41	20.68
257-03	397935.69	1518746.14	8/6	9:21	11.35	13.77
257/260-01	397678.36	1519948.22	NA	NA	NA	Crops are too high.

ATTACHMENT D
MONITOR WELL FLUID GAUGING FIELD FORM
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Northing ^a	Easting ^a	Date	Time	Depth to Water (ft) ^b	Notes or Total Depth (ft) ^b
SOUTHERN AREA						
Del Oro Dairy (DP-692)						
692-01	373615.88	1531529.38	8-6	1:08	61.75	Pump
692-02	372984.72	1531192.10	8-6	1:04	59.66	66.65
692-04	372982.53	1531555.21	8-6	1:00	60.53	61.99
692-05	374807.26	1532403.00	8-6	1:32	80.85	Pump
692-06	375054.77	1532411.83	8-6	1:26	82.68	90.13
692-07	374944.88	1532019.81	8-6	1:21	74.52	Pump
692-08	375535.69	1531378.09	8-6	1:15	68.45	Pump
692-09	373575.83	1532395.09	8-6	1:36	84.35	Pump
ADDITIONAL WELLS AND DRAIN CROSSINGS (DAD)						
Bruce1	388741.02	1523777.06	3808.92			
Bruce2	NM	NM	NM			Destroyed
Anthony Waste Water Treatment Plant (DAD)						
MW-1	372097.86	1532364.36				
MW-2	NM	NM				
MW-3	NM	NM				
ABATEMENT PLAN MONITOR WELLS						
DAD-01	422970.59	1512825.76	8/6	11:00	73.54	76.16
DAD-02	413002.98	1517319.93	8/6	11:05	67.25	68.07
DAD-03	407721.31	1516497.85	8/6	11:11	13.91	15.05
DAD-04	404576.66	1517413.28	8/6	11:19	16.77	18.44
DAD-05	396712.87	1519102.06	8/6	11:26	14.38	23.33
DAD-06	404273.19	1522081.00	8/6	11:32	DRY	83.46
DAD-07	399270.18	1524320.88	8/6	11:39	92.43	100.66
DAD-08	395287.38	1522575.07	8/6	11:44	52.9	55.65
DAD-09	373259.30	1530905.70	8/6	11:52	57.36	61.41
DAD-10	372980.55	1532375.33	8/6	12:02	83.56	94.38
DAD-11			8/6	11:21	22.38	47.34
DAD-12			8/6	11:15	52.87	82.28
DAD-13			8/6	11:10	88.65	92.77
DAD-14			8/6	11:26	30.47	42.44
DAD-15			8/6	12:08	96.05	109.45
DAD-16			8/6	12:13	19.46	32.62
DAD-17			8/6	12:19	21.95	38.21
DAD-18			8/6	12:25	23.37	56.92
DAD-19			8/6	12:35	65.35	99.17
DAD-20			8/6	12:41	54.32	69.00
DAD-21			8/6	12:30	57.83	66.50
DAD-22			8/6	12:46	47.65	50.04

APPENDIX B
ANALYTICAL LABORATORY REPORTS
(Electronic Format – CD)



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Linda Armstrong
 Sunset Dairy
 17900 Stern Drive
 P.O. Box 10
 Mesquite, NM, 88048

Report Date: August 19, 2015

Work Order: 15081730



Project Location: Sunset Dairy. Well, NM
 Project Name: Irrigation Well
 Project Number: Irrigation Well LRG-940-POD2

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
402365	Irrigation Well LRG-940-POD2	Water	2015-08-17	10:00	2015-08-17

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 11 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

Report Contents

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Case Narrative

Samples for project Irrigation Well were received by TraceAnalysis, Inc. on 2015-08-17 and assigned to work order 15081730. Samples for work order 15081730 were received intact at a temperature of 3.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
NO3 (IC)	E 300.0	104979	2015-08-17 at 18:18	124149	2015-08-17 at 18:18
TKN	SM 4500-NH3 B,C	104976	2015-08-18 at 11:20	124146	2015-08-18 at 14:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15081730 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 402365 - Irrigation Well LRG-940-POD2

Laboratory:	El Paso	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	NO3 (IC)	Date Analyzed:	2015-08-17	Analyzed By:	JR
QC Batch:	124149	Sample Preparation:	2015-08-17	Prepared By:	JR
Prep Batch:	104979				

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Nitrate-N	u	1,4,5	<2.50	mg/L	5	0.500

Sample: 402365 - Irrigation Well LRG-940-POD2

Laboratory:	Lubbock	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
Analysis:	TKN	Date Analyzed:	2015-08-18	Analyzed By:	CF
QC Batch:	124146	Sample Preparation:		Prepared By:	CF
Prep Batch:	104976				

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N	u	2,3,6,8	<10.0	mg/L	1	10.0

Method Blanks

Method Blank (1) QC Batch: 124146

QC Batch: 124146 Date Analyzed: 2015-08-18 Analyzed By: CF
Prep Batch: 104976 QC Preparation: 2015-08-18 Prepared By: CF

Parameter	Flag	Cert	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		2,3,6,8	<1.18	mg/L	10

Method Blank (1) QC Batch: 124149

QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
Prep Batch: 104979 QC Preparation: 2015-08-17 Prepared By: JR

Parameter	Flag	Cert	MDL Result	Units	RL
Nitrate-N		1,4,5	<0.0387	mg/L	0.5

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124146 Date Analyzed: 2015-08-18 Analyzed By: CF
Prep Batch: 104976 QC Preparation: 2015-08-18 Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,8	46.2	mg/L	1	50.0	<1.18	92	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,8	44.8	mg/L	1	50.0	<1.18	90	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
Prep Batch: 104979 QC Preparation: 2015-08-17 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.92	mg/L	1	5.00	<0.0387	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD Limit
Nitrate-N		1,4,5	5.00	mg/L	1	5.00	<0.0387	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 402365

QC Batch: 124146 Date Analyzed: 2015-08-18 Analyzed By: CF
Prep Batch: 104976 QC Preparation: 2015-08-18 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,8	44.1	mg/L	1	50.0	<1.18	88	77.9 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402365

QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
Prep Batch: 104979 QC Preparation: 2015-08-17 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	274	mg/L	55.6	278	<0.523	98	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	276	mg/L	55.6	278	<0.523	99	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (ICV-1)

QC Batch: 124146 Date Analyzed: 2015-08-18 Analyzed By: CF

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,8	mg/L	5.00	4.48	90	85 - 115	2015-08-18

Standard (CCV-1)

QC Batch: 124146 Date Analyzed: 2015-08-18 Analyzed By: CF

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,8	mg/L	5.00	4.48	90	85 - 115	2015-08-18

Standard (CCV-1)

QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.93	99	90 - 110	2015-08-17

Standard (CCV-2)

QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.97	99	90 - 110	2015-08-17

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-15-11	Lubbock
7	NELAP	T104704392-14-8	Midland
8		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.

F	Description
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

TraceAnalysis, Inc.

email: lab@traceanalysis.com

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Lubbock, Texas 79424
Tel (806) 794-1296
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200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
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BioAquatic Testing
2501 Mayes Rd. Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: **Sunset Dairy** Phone #: **575/993-0279**

Address: **PO Box 10, Mesquite, NM 88048** Fax #:

Contact Person: **Linda Armstrong** E-mail: **lindaarmstrong@zianet.com**

Invoice to: **Sunset Dairy**

Project #: Project Name: **Irrigation Well**

Project Location: **Irrigation Well LRG-940-POD2**

(Include state) **Sunset Dairy, Well, NM**

Sampler Signature: *[Signature]*

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX			PRESERVATIVE METHOD					SAMPLING TIME
				WATER	AIR	SLUDGE	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	
402365-1	Irrigation Well LRG-940-POD2	1		X			X	X				8/17 10:00
1-2	Irrigation Well LRG-940-POD2	1		X					X			8/17 10:00

Relinquished by: *[Signature]* Company: **Sunset Dairy** Date: **8/17/15** Time: **13:55** INST: **1303** OBS: **1303** COR:

Relinquished by: *[Signature]* Company: **DWH** Date: **8-17-15** Time: **13:03** INST: **1302** OBS: **1302** COR:

Relinquished by: *[Signature]* Company: **DWH** Date: **8-17-15** Time: **13:55** INST: **1303** OBS: **1303** COR:

Relinquished by: *[Signature]* Company: **DWH** Date: **8-17-15** Time: **13:55** INST: **1303** OBS: **1303** COR:

ANALYSIS REQUEST

(Circle or Specify Method No.)

MTBE 8021B / 602 / 8260B / 624	
BTEX 8021B / 602 / 8260B / 624	
TPH 418.1 / TX1005 / DRO / TVHC	
PAH 8270C / 625	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B / 200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
TCLP Pesticides	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
Pesticides 8081A / 608	
BOD, TSS, pH	
Moisture Content	
Cl, F, SO ₄ , NO ₃ -N, NO ₂ -N, PO ₄ -P, Alkalinity	X
Na, Ca, Mg, K, TDS, EC	X
TKN	X
Hold	

Turn Around Time if different from standard

LAB USE ONLY

REMARKS: **2 on Ice**

Dry Weight Basis Required

TRRP Report Required

Check if Special Reporting Limits Are Needed

Intact: **FAR**

Headspace Y/N/NA:

Log-in Review: **8-17-15**

Carrier: **Carry In 154936707**



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

John DeRuyter
 Mountain View Dairy
 13090 Stern Drive
 P.O. Box 345
 Mesquite, NM, 88048

Report Date: August 31, 2015

Work Order: 15081936



Project Location: 13090 Stern Dr., Mesquite, NM
 Project Name: Mountain View Dairy
 Project Number: 474544

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
402727	70-01	water	2015-08-19	08:48	2015-08-19
402728	70-02	water	2015-08-19	09:43	2015-08-19
402729	70-03	water	2015-08-19	11:50	2015-08-19
402730	70-04	water	2015-08-19	09:27	2015-08-19
402731	70 Lagoon	water	2015-08-19	10:17	2015-08-19
402732	North Stormwater Lagoon	water	2015-08-19	09:55	2015-08-19
402733	South Stormwater Lagoon	water	2015-08-19	10:48	2015-08-19

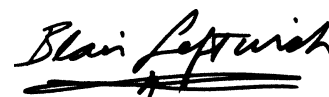
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 48 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

A handwritten signature in black ink that reads "Blair Leftwich". The signature is written in a cursive style and is underlined with two horizontal lines.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Mountain View Dairy were received by TraceAnalysis, Inc. on 2015-08-19 and assigned to work order 15081936. Samples for work order 15081936 were received intact at a temperature of 2 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105058	2015-08-20 at 14:00	124245	2015-08-20 at 15:13
Chloride (IC)	E 300.0	105059	2015-08-20 at 14:00	124246	2015-08-20 at 15:13
Chloride (IC)	E 300.0	105060	2015-08-20 at 14:30	124247	2015-08-20 at 15:13
Chloride (IC)	E 300.0	105117	2015-08-19 at 20:32	124313	2015-08-19 at 20:32
NO3 (IC)	E 300.0	105058	2015-08-20 at 14:00	124245	2015-08-20 at 15:13
NO3 (IC)	E 300.0	105059	2015-08-20 at 14:00	124246	2015-08-20 at 15:13
NO3 (IC)	E 300.0	105060	2015-08-20 at 14:30	124247	2015-08-20 at 15:13
NO3 (IC)	E 300.0	105120	2015-08-20 at 08:14	124317	2015-08-20 at 20:14
P, Total	S 6010C	105186	2015-08-27 at 12:00	124463	2015-08-28 at 15:24
SO4 (IC)	E 300.0	105058	2015-08-20 at 14:00	124245	2015-08-20 at 15:13
SO4 (IC)	E 300.0	105059	2015-08-20 at 14:00	124246	2015-08-20 at 15:13
SO4 (IC)	E 300.0	105060	2015-08-20 at 14:30	124247	2015-08-20 at 15:13
SO4 (IC)	E 300.0	105117	2015-08-19 at 20:32	124313	2015-08-19 at 20:32
Sulfide	SM 4500-S2 D	105031	2015-08-20 at 11:30	124215	2015-08-20 at 12:00
TDS	SM 2540C	105043	2015-08-20 at 14:20	124227	2015-08-20 at 14:20
TDS	SM 2540C	105143	2015-08-25 at 13:30	124347	2015-08-25 at 13:30
TKN	SM 4500-NH3 B,C	105133	2015-08-25 at 10:40	124336	2015-08-25 at 14:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15081936 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 402727 - 70-01

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL
 Prep Batch: 105060 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	812	812	<26.3	mg/L	100	26.3	2.5	0.263

Sample: 402727 - 70-01

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL
 Prep Batch: 105060 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	34.5	34.5	<0.0680	mg/L	5	0.0680	0.04	0.0136

Sample: 402727 - 70-01

Laboratory: Lubbock
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL
 Prep Batch: 105060 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Sulfate		2,3,5,7,8	547	547	<36.3	mg/L	100	36.3	2.5	0.363

Sample: 402727 - 70-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124347 Date Analyzed: 2015-08-25 Analyzed By: MC
 Prep Batch: 105143 Sample Preparation: 2015-08-25 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2660	2660	<125	mg/L	50	125	2.5	2.5

Sample: 402727 - 70-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124336 Date Analyzed: 2015-08-25 Analyzed By: CF
 Prep Batch: 105133 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,7,8	5.60	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402728 - 70-02

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124245 Date Analyzed: 2015-08-20 Analyzed By: RL
 Prep Batch: 105058 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	761	761	80.2	mg/L	100	26.3	2.5	0.263

Sample: 402728 - 70-02

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124245 Date Analyzed: 2015-08-20 Analyzed By: RL
 Prep Batch: 105058 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	35.7	35.7	<0.0680	mg/L	5	0.0680	0.04	0.0136

Sample: 402728 - 70-02

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Laboratory: Lubbock
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124245 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105058 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		2,3,5,7,8	438	438	<36.3	mg/L	100	36.3	2.5	0.363

Sample: 402728 - 70-02

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 124347 Date Analyzed: 2015-08-25 Analyzed By: MC
Prep Batch: 105143 Sample Preparation: 2015-08-25 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	3320	3320	<125	mg/L	50	125	2.5	2.5

Sample: 402728 - 70-02

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124336 Date Analyzed: 2015-08-25 Analyzed By: CF
Prep Batch: 105133 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402729 - 70-03

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105060 Sample Preparation: Prepared By: RL

continued ...

sample 402729 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride	B	2,3,5,7,8	2510	2510	<132	mg/L	500	132	2.5	0.263

Sample: 402729 - 70-03

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL
 Prep Batch: 105060 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		2,3,5,7,8	47.4	47.4	<0.0680	mg/L	5	0.0680	0.04	0.0136

Sample: 402729 - 70-03

Laboratory: Lubbock
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL
 Prep Batch: 105060 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		2,3,5,7,8	1360	1360	<182	mg/L	500	182	2.5	0.363

Sample: 402729 - 70-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124347 Date Analyzed: 2015-08-25 Analyzed By: MC
 Prep Batch: 105143 Sample Preparation: 2015-08-25 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	6760	6760	<125	mg/L	50	125	2.5	2.5

Sample: 402729 - 70-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124336 Date Analyzed: 2015-08-25 Analyzed By: CF
 Prep Batch: 105133 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402730 - 70-04

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124246 Date Analyzed: 2015-08-20 Analyzed By: RL
 Prep Batch: 105059 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	561	561	72.5	mg/L	100	26.3	2.5	0.263

Sample: 402730 - 70-04

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124246 Date Analyzed: 2015-08-20 Analyzed By: RL
 Prep Batch: 105059 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	29.4	29.4	<0.0680	mg/L	5	0.0680	0.04	0.0136

Sample: 402730 - 70-04

Laboratory: Lubbock
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124246 Date Analyzed: 2015-08-20 Analyzed By: RL
 Prep Batch: 105059 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		2,3,5,7,8	578	578	<36.3	mg/L	100	36.3	2.5	0.363

Sample: 402730 - 70-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124347 Date Analyzed: 2015-08-25 Analyzed By: MC
 Prep Batch: 105143 Sample Preparation: 2015-08-25 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2820	2820	<125	mg/L	50	125	2.5	2.5

Sample: 402730 - 70-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124336 Date Analyzed: 2015-08-25 Analyzed By: CF
 Prep Batch: 105133 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		U 2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402731 - 70 Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124313 Date Analyzed: 2015-08-19 Analyzed By: JR
 Prep Batch: 105117 Sample Preparation: 2015-08-19 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	1530	1530	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402731 - 70 Lagoon

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Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Nitrate-N	U	1,4,6	<0.194	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402731 - 70 Lagoon

Laboratory: Lubbock
Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
QC Batch: 124463 Date Analyzed: 2015-08-28 Analyzed By: RR
Prep Batch: 105186 Sample Preparation: 2015-08-27 Prepared By: RR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Total Phosphorous		3,5,7,8	148	148	<0.0194	mg/L	5	0.0194	0.5	0.00389

Sample: 402731 - 70 Lagoon

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124313 Date Analyzed: 2015-08-19 Analyzed By: JR
Prep Batch: 105117 Sample Preparation: 2015-08-19 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Sulfate		1,4,6	52.7	52.7	<0.194	mg/L	5	0.194	2.5	0.0389

Sample: 402731 - 70 Lagoon

Laboratory: Lubbock
Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
QC Batch: 124215 Date Analyzed: 2015-08-20 Analyzed By: CF
Prep Batch: 105031 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Sulfide	B	2	18.1	18.1	<0.255	mg/L	25	0.255	0.1	0.0102

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Sample: 402731 - 70 Lagoon

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 124227 Date Analyzed: 2015-08-20 Analyzed By: MC
Prep Batch: 105043 Sample Preparation: 2015-08-20 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	8480	8480	<500	mg/L	200	500	2.5	2.5

Sample: 402731 - 70 Lagoon

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124336 Date Analyzed: 2015-08-25 Analyzed By: CF
Prep Batch: 105133 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	174	174	<1.18	mg/L	1	1.18	10	1.18

Sample: 402732 - North Stormwater Lagoon

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124313 Date Analyzed: 2015-08-19 Analyzed By: JR
Prep Batch: 105117 Sample Preparation: 2015-08-19 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	2150	2150	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402732 - North Stormwater Lagoon

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	J	1,4,6	0.324	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402732 - North Stormwater Lagoon

Laboratory: Lubbock
 Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 124463 Date Analyzed: 2015-08-28 Analyzed By: RR
 Prep Batch: 105186 Sample Preparation: 2015-08-27 Prepared By: RR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Phosphorous		3,5,7,8	41.7	41.7	<0.0194	mg/L	5	0.0194	0.5	0.00389

Sample: 402732 - North Stormwater Lagoon

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124313 Date Analyzed: 2015-08-19 Analyzed By: JR
 Prep Batch: 105117 Sample Preparation: 2015-08-19 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		1,4,6	546	546	<1.94	mg/L	50	1.94	2.5	0.0389

Sample: 402732 - North Stormwater Lagoon

Laboratory: Lubbock
 Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
 QC Batch: 124215 Date Analyzed: 2015-08-20 Analyzed By: CF
 Prep Batch: 105031 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfide	B	2	2.86	2.86	<0.255	mg/L	25	0.255	0.1	0.0102

Sample: 402732 - North Stormwater Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A

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QC Batch: 124227 Date Analyzed: 2015-08-20 Analyzed By: MC
Prep Batch: 105043 Sample Preparation: 2015-08-20 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	8740	8740	<500	mg/L	200	500	2.5	2.5

Sample: 402732 - North Stormwater Lagoon

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124336 Date Analyzed: 2015-08-25 Analyzed By: CF
Prep Batch: 105133 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	27.3	27.3	<1.18	mg/L	1	1.18	10	1.18

Sample: 402733 - South Stormwater Lagoon

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124313 Date Analyzed: 2015-08-19 Analyzed By: JR
Prep Batch: 105117 Sample Preparation: 2015-08-19 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	958	958	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402733 - South Stormwater Lagoon

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	J	1,4,6	0.843	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402733 - South Stormwater Lagoon

Laboratory: Lubbock
 Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 124463 Date Analyzed: 2015-08-28 Analyzed By: RR
 Prep Batch: 105186 Sample Preparation: 2015-08-27 Prepared By: RR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Phosphorous		3,5,7,8	31.4	31.4	<0.0194	mg/L	5	0.0194	0.5	0.00389

Sample: 402733 - South Stormwater Lagoon

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124313 Date Analyzed: 2015-08-19 Analyzed By: JR
 Prep Batch: 105117 Sample Preparation: 2015-08-19 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Sulfate		1,4,6	263	263	<0.389	mg/L	10	0.389	2.5	0.0389

Sample: 402733 - South Stormwater Lagoon

Laboratory: Lubbock
 Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
 QC Batch: 124215 Date Analyzed: 2015-08-20 Analyzed By: CF
 Prep Batch: 105031 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Sulfide	B	2	6.77	6.77	<0.255	mg/L	25	0.255	0.1	0.0102

Sample: 402733 - South Stormwater Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124227 Date Analyzed: 2015-08-20 Analyzed By: MC
 Prep Batch: 105043 Sample Preparation: 2015-08-20 Prepared By: MC

continued ...

sample 402733 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	5170	5170	<250	mg/L	100	250	2.5	2.5

Sample: 402733 - South Stormwater Lagoon

Laboratory: Lubbock
Analysis: TKN
QC Batch: 124336
Prep Batch: 105133

Analytical Method: SM 4500-NH3 B,C
Date Analyzed: 2015-08-25
Sample Preparation:

Prep Method: N/A
Analyzed By: CF
Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	32.9	32.9	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124215
Prep Batch: 105031

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Sulfide	B	2	0.0115	mg/L	0.0102

Method Blank (1)

QC Batch: 124227
Prep Batch: 105043

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124245
Prep Batch: 105058

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride	B	2,3,5,7,8	0.802	mg/L	0.263

Method Blank (1)

QC Batch: 124245
Prep Batch: 105058

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.0136	mg/L	0.0136

Method Blank (1)

QC Batch: 124245 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105058 QC Preparation: 2015-08-20 Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Sulfate		2,3,5,7,8	<0.363	mg/L	0.363

Method Blank (1)

QC Batch: 124246 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105059 QC Preparation: 2015-08-20 Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride	B	2,3,5,7,8	0.725	mg/L	0.263

Method Blank (1)

QC Batch: 124246 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105059 QC Preparation: 2015-08-20 Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.0136	mg/L	0.0136

Method Blank (1)

QC Batch: 124246 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105059 QC Preparation: 2015-08-20 Prepared By: RL

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Parameter	F	C	Result	Units	Reporting Limits
Sulfate		2,3,5,7,8	<0.363	mg/L	0.363

Method Blank (1)

QC Batch: 124247
Prep Batch: 105060

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride	B	2,3,5,7,8	0.791	mg/L	0.263

Method Blank (1)

QC Batch: 124247
Prep Batch: 105060

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.0136	mg/L	0.0136

Method Blank (1)

QC Batch: 124247
Prep Batch: 105060

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Sulfate		2,3,5,7,8	<0.363	mg/L	0.363

Method Blank (1)

QC Batch: 124313
Prep Batch: 105117

Date Analyzed: 2015-08-19
QC Preparation: 2015-08-19

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124313 Date Analyzed: 2015-08-19 Analyzed By: JR
Prep Batch: 105117 QC Preparation: 2015-08-19 Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Sulfate		1,4,6	<0.0389	mg/L	0.0389

Method Blank (1)

QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
Prep Batch: 105120 QC Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124336 Date Analyzed: 2015-08-25 Analyzed By: CF
Prep Batch: 105133 QC Preparation: 2015-08-25 Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	1.18

Method Blank (1)

QC Batch: 124347 Date Analyzed: 2015-08-25 Analyzed By: MC
Prep Batch: 105143 QC Preparation: 2015-08-25 Prepared By: MC

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Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124463
Prep Batch: 105186

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-27

Analyzed By: RR
Prepared By: PM

Parameter	F	C	Result	Units	Reporting Limits
Total Phosphorous		3,5,7,8	<0.00389	mg/L	0.00389

Duplicates

Duplicate (1) Duplicated Sample: 402837

QC Batch: 124227
Prep Batch: 105043

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	4880	4860	mg/L	50	0	10

Duplicate (1) Duplicated Sample: 402966

QC Batch: 124347
Prep Batch: 105143

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3600	3600	mg/L	50	0	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124215
Prep Batch: 105031

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Sulfide		2	0.388	mg/L	1	0.400	<0.0102	97	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Sulfide		2	0.399	mg/L	1	0.400	<0.0102	100	85 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124227
Prep Batch: 105043

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Dissolved Solids		1,4,6	999	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Dissolved Solids		1,4,6	999	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124245
Prep Batch: 105058

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		2,3,5,7,8	24.4	mg/L	1	25.0	0.802	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		2,3,5,7,8	24.2	mg/L	1	25.0	0.802	94	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124245
Prep Batch: 105058

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		2,3,5,7,8	4.91	mg/L	1	5.00	<0.0136	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		2,3,5,7,8	4.83	mg/L	1	5.00	<0.0136	97	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124245
Prep Batch: 105058

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Sulfate		2,3,5,7,8	24.6	mg/L	1	25.0	<0.363	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Sulfate		2,3,5,7,8	24.4	mg/L	1	25.0	<0.363	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124246
Prep Batch: 105059

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Chloride		2,3,5,7,8	24.4	mg/L	1	25.0	0.7246	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Chloride		2,3,5,7,8	24.1	mg/L	1	25.0	0.7246	94	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124246
Prep Batch: 105059

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Nitrate-N		2,3,5,7,8	4.96	mg/L	1	5.00	<0.0136	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Nitrate-N		2,3,5,7,8	4.86	mg/L	1	5.00	<0.0136	97	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124246
Prep Batch: 105059

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Sulfate		2,3,5,7,8	24.4	mg/L	1	25.0	<0.363	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Sulfate		2,3,5,7,8	24.6	mg/L	1	25.0	<0.363	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105060 QC Preparation: 2015-08-20 Prepared By: RL

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Chloride		2,3,5,7,8	23.8	mg/L	1	25.0	<0.263	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Chloride		2,3,5,7,8	24.1	mg/L	1	25.0	<0.263	96	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105060 QC Preparation: 2015-08-20 Prepared By: RL

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Nitrate-N		2,3,5,7,8	4.86	mg/L	1	5.00	<0.0136	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Nitrate-N		2,3,5,7,8	4.88	mg/L	1	5.00	<0.0136	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105060 QC Preparation: 2015-08-20 Prepared By: RL

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Sulfate		2,3,5,7,8	24.6	mg/L	1	25.0	<0.363	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Sulfate		2,3,5,7,8	24.5	mg/L	1	25.0	<0.363	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124313 Date Analyzed: 2015-08-19 Analyzed By: JR
Prep Batch: 105117 QC Preparation: 2015-08-19 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	25.4	mg/L	1	25.0	<0.00930	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	25.6	mg/L	1	25.0	<0.00930	102	90 - 110	1 20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124313 Date Analyzed: 2015-08-19 Analyzed By: JR
Prep Batch: 105117 QC Preparation: 2015-08-19 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1,4,6	25.1	mg/L	1	25.0	<0.0389	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit
Sulfate		1,4,6	25.3	mg/L	1	25.0	<0.0389	101	90 - 110	1 20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
Prep Batch: 105120 QC Preparation: 2015-08-20 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	5.06	mg/L	1	5.00	<0.0387	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,6	5.08	mg/L	1	5.00	<0.0387	102	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124336
Prep Batch: 105133

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,8	42.7	mg/L	1	50.0	<1.18	85	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,7,8	43.4	mg/L	1	50.0	<1.18	87	82.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124347
Prep Batch: 105143

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Dissolved Solids		1,4,6	998	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Dissolved Solids		1,4,6	997	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124463
Prep Batch: 105186

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-27

Analyzed By: RR
Prepared By: PM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		3,5,7,8	0.515	mg/L	1	0.500	<0.00389	103	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous		3,5,7,8	0.515	mg/L	1	0.500	<0.00389	103	85 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 402755

QC Batch: 124215 Date Analyzed: 2015-08-20 Analyzed By: CF
Prep Batch: 105031 QC Preparation: 2015-08-20 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfide		2	30.6	mg/L	50	40.0	17.1	34	10 - 159

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfide		2	30.4	mg/L	50	40.0	17.1	33	10 - 159	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402728

QC Batch: 124245 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105058 QC Preparation: 2015-08-20 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	3250	mg/L	100	2500	761	100	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	3290	mg/L	100	2500	761	101	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402728

QC Batch: 124245 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105058 QC Preparation: 2015-08-20 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	516	mg/L	100	500	42.2	95	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Param	F	C	MSD		Dil.	Spike Amount	Matrix		Rec. Limit	RPD	RPD Limit
			Result	Units			Result	Rec.			
Nitrate-N		2,3,5,7,8	519	mg/L	100	500	42.2	95	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402728

QC Batch: 124245
Prep Batch: 105058

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Param	F	C	MS		Dil.	Spike Amount	Matrix		Rec. Limit
			Result	Units			Result	Rec.	
Sulfate		2,3,5,7,8	2890	mg/L	100	2500	438	98	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD		Dil.	Spike Amount	Matrix		Rec. Limit	RPD	RPD Limit
			Result	Units			Result	Rec.			
Sulfate		2,3,5,7,8	2870	mg/L	100	2500	438	97	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402730

QC Batch: 124246
Prep Batch: 105059

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Param	F	C	MS		Dil.	Spike Amount	Matrix		Rec. Limit
			Result	Units			Result	Rec.	
Chloride		2,3,5,7,8	2990	mg/L	100	2500	561	97	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD		Dil.	Spike Amount	Matrix		Rec. Limit	RPD	RPD Limit
			Result	Units			Result	Rec.			
Chloride		2,3,5,7,8	3010	mg/L	100	2500	561	98	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402730

QC Batch: 124246
Prep Batch: 105059

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	509	mg/L	100	500	36.8	94	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	510	mg/L	100	500	36.8	95	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402730

QC Batch: 124246 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105059 QC Preparation: 2015-08-20 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		2,3,5,7,8	3020	mg/L	100	2500	578	98	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate		2,3,5,7,8	3020	mg/L	100	2500	578	98	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402727

QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105060 QC Preparation: 2015-08-20 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	3270	mg/L	100	2500	812	98	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	3060	mg/L	100	2500	812	90	80 - 120	7	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402727

QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105060 QC Preparation: 2015-08-20 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	530	mg/L	100	500	38.7	98	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	501	mg/L	100	500	38.7	92	80 - 120	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402727

QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL
Prep Batch: 105060 QC Preparation: 2015-08-20 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		2,3,5,7,8	2950	mg/L	100	2500	547	96	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate		2,3,5,7,8	2920	mg/L	100	2500	547	95	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402733

QC Batch: 124313 Date Analyzed: 2015-08-19 Analyzed By: JR
Prep Batch: 105117 QC Preparation: 2015-08-19 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	3830	mg/L	111	2780	958	103	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	3840	mg/L	111	2780	958	104	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402733

QC Batch: 124313 Date Analyzed: 2015-08-19 Analyzed By: JR
Prep Batch: 105117 QC Preparation: 2015-08-19 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1,4,6	3100	mg/L	111	2780	263	102	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate		1,4,6	3100	mg/L	111	2780	263	102	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402838

QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
Prep Batch: 105120 QC Preparation: 2015-08-20 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	296	mg/L	55.6	278	11.7	102	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	294	mg/L	55.6	278	11.7	102	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402835

QC Batch: 124336 Date Analyzed: 2015-08-25 Analyzed By: CF
Prep Batch: 105133 QC Preparation: 2015-08-25 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.18	88	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	42.7	mg/L	1	50.0	<1.18	85	77.9 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402697

QC Batch: 124463
Prep Batch: 105186

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-27

Analyzed By: RR
Prepared By: PM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		3,5,7,8	0.505	mg/L	1	0.500	<0.00389	101	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous		3,5,7,8	0.497	mg/L	1	0.500	<0.00389	99	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (ICV-1)

QC Batch: 124215 Date Analyzed: 2015-08-20 Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfide		2	mg/L	0.400	0.384	96	85 - 115	2015-08-20

Standard (CCV-1)

QC Batch: 124215 Date Analyzed: 2015-08-20 Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfide		2	mg/L	0.400	0.359	90	85 - 115	2015-08-20

Standard (CCV-1)

QC Batch: 124245 Date Analyzed: 2015-08-20 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.3	97	90 - 110	2015-08-20

Standard (CCV-1)

QC Batch: 124245 Date Analyzed: 2015-08-20 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	4.85	97	90 - 110	2015-08-20

Standard (CCV-1)

QC Batch: 124245 Date Analyzed: 2015-08-20 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	24.5	98	90 - 110	2015-08-20

Standard (CCV-2)

QC Batch: 124245 Date Analyzed: 2015-08-20 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.1	96	90 - 110	2015-08-20

Standard (CCV-2)

QC Batch: 124245 Date Analyzed: 2015-08-20 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	4.91	98	90 - 110	2015-08-20

Standard (CCV-2)

QC Batch: 124245 Date Analyzed: 2015-08-20 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	24.4	98	90 - 110	2015-08-20

Standard (CCV-1)

QC Batch: 124246 Date Analyzed: 2015-08-20 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.1	96	90 - 110	2015-08-20

Standard (CCV-1)

QC Batch: 124246

Date Analyzed: 2015-08-20

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	4.91	98	90 - 110	2015-08-20

Standard (CCV-1)

QC Batch: 124246

Date Analyzed: 2015-08-20

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	24.4	98	90 - 110	2015-08-20

Standard (CCV-2)

QC Batch: 124246

Date Analyzed: 2015-08-20

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.3	97	90 - 110	2015-08-20

Standard (CCV-2)

QC Batch: 124246

Date Analyzed: 2015-08-20

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	4.93	99	90 - 110	2015-08-20

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Standard (CCV-2)

QC Batch: 124246 Date Analyzed: 2015-08-20 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	24.8	99	90 - 110	2015-08-20

Standard (CCV-1)

QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.3	97	90 - 110	2015-08-20

Standard (CCV-1)

QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	4.93	99	90 - 110	2015-08-20

Standard (CCV-1)

QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	24.8	99	90 - 110	2015-08-20

Standard (CCV-2)

QC Batch: 124247 Date Analyzed: 2015-08-20 Analyzed By: RL

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Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.4	98	90 - 110	2015-08-20

Standard (CCV-2)

QC Batch: 124247

Date Analyzed: 2015-08-20

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.01	100	90 - 110	2015-08-20

Standard (CCV-2)

QC Batch: 124247

Date Analyzed: 2015-08-20

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	24.8	99	90 - 110	2015-08-20

Standard (CCV-1)

QC Batch: 124313

Date Analyzed: 2015-08-19

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.7	99	90 - 110	2015-08-19

Standard (CCV-1)

QC Batch: 124313

Date Analyzed: 2015-08-19

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1,4,6	mg/L	25.0	24.4	98	90 - 110	2015-08-19

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Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.95	99	90 - 110	2015-08-20

Standard (CCV-2)

QC Batch: 124317

Date Analyzed: 2015-08-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.97	99	90 - 110	2015-08-20

Standard (ICV-1)

QC Batch: 124336

Date Analyzed: 2015-08-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.48	90	85 - 115	2015-08-25

Standard (CCV-1)

QC Batch: 124336

Date Analyzed: 2015-08-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.62	92	85 - 115	2015-08-25

Standard (ICV-1)

QC Batch: 124463

Date Analyzed: 2015-08-28

Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		3,5,7,8	mg/L	5.00	5.38	108	90 - 110	2015-08-28

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474544

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Standard (CCV-1)

QC Batch: 124463

Date Analyzed: 2015-08-28

Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		3,5,7,8	mg/L	5.00	5.49	110	90 - 110	2015-08-28

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.500	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	Pass
P, Total	S 6010C	water	PE 8300	Total Phosphorous	0.100	Pass
SO4 (IC)	E 300.0	water	Dionex IC	Sulfate	1.00	Pass
SO4 (IC)	E 300.0	water	Dionex IC	Sulfate	0.104	Pass
Sulfide	SM 4500-S2 D	water	Spectrophotometer	Sulfide	0.0200	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

6701 Aberdeen, Ste. 9
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

155 McCurtain, Ste. H
 Paso, TX 79832
 Tel (915) 565-3443
 Fax (915) 565-4944

TraceAnalysis, Inc.

Company Name: D&H Petroleum & Environmental Services
 Address: (Street, City, Zip) 1221 Tower Trail Ln., El Paso, Texas 79907
 Contact Person: Victor Ayala
 Invoice to (if different from above):
 Mountain View Dairy, P.O. Box 345, Mesquite, NM 88048
 Project #: 474544

Phone #: 915-859-8150
 Cell #:
 Fax #:
 E-mail: vayala@dhpump.com

Project Location (including state): Mountain View Dairy, 13090 Stem Drive, Mesquite, NM
 Project Name: Mountain View Dairy
 Sampler Signature: *[Signature]*

Project Name: John DeRuyter 575-233-3899
 Project #: 474544
 Mountain View Dairy

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD					DATE	TIME
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE		
4702	70-01	1	500	X						X	X	X	8-19-15	8:48
270-01		1	500	X						X	X	X		
28-1	70-02	1	250	X						X	X	X		9:43
1-2	70-02	1	500	X						X	X	X		9:43
29-1	70-03	1	500	X						X	X	X		11:50
1-2	70-03	1	500	X						X	X	X		11:50
30-1	70-04	1	250	X						X	X	X		9:37
1-2	70-04	1	500	X						X	X	X		9:37
31-1	70 Lagoon	1	500	X						X	X	X		10:17
2	70 Lagoon	1	500	X						X	X	X		10:17
3	70 Lagoon	1	250	X						X	X	X		10:17
4	70 Lagoon	1	250	X						X	X	X		10:17
32-1	North Stormwater Lagoon	1	500	X						X	X	X		9:55
2	North Stormwater Lagoon	1	500	X						X	X	X		9:55
3	North Stormwater Lagoon	1	250	X						X	X	X		9:55
4	North Stormwater Lagoon	1	250	X						X	X	X		9:55

LAB USE ONLY		ANALYSIS REQUEST														
Intact	Headspace	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1 / TX1005	TX 1005 Extended (C35)	PAH 8270C	PAH 8270 (Low Level Analysis)	Phosphorus SM 4500	Nitrates EPA 300	Total Kjeldhal Nitrogen SM 4500 NORG C	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Sulfate EPA Method 300.0	Total Sulfur	Turn Around Time	Hold
Y	N															
Y	N															
Y	N															
Y	N															
Y	N															
Y	N															
Y	N															
Y	N															
Y	N															

Relinquished By: *[Signature]* Date: 8-19-15 Time: 1630
 Received By: *[Signature]* Date: 8-19-15 Time: 13:07
 Relinquished By: *[Signature]* Date: 8-19-15 Time: 1630
 Received at Laboratory By: *[Signature]* Date: 8-19-15 Time: 13:07

Lab Use Only
 Intact N
 Headspace Y / N
 Temp 12°C / 50
 Log-in 8-19-15

Remarks:
 Soil cell determined by
 soy + soil for analysis
 8-19-15
 Dry Weight Basis Required
 TRRP Report Required

6701 Aberdeen, Ste. 9
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

155 McCutcheon, Ste. H
 Paso, TX 79932
 Tel (915) 585-3443
 Fax (915) 585-4944

TraceAnalysis, Inc.

Company Name: D&H Petroleum & Environmental Services
 Address: (Street, City, Zip) 1221 Tower Trail Ln., El Paso, Texas 79907
 Contact Person: Victor Ayala
 Invoice to (if different from above):
 Mountain View Dairy, P.O. Box 345, Mesquite, NM 88048
 Project #: 474549

Phone #: 915-859-8150
 Cell #: _____
 Fax #: _____
 E-mail: yayala@dhpump.com

Project Location (including state):
 Mountain View Dairy, 13090 Stern Drive, Mesquite, NM
 Project Name: Mountain View Dairy
 Sampler Signature: *[Signature]*

Project Name: John DeRuyter 575-233-3899
 Project #: _____
 Sampler Signature: _____

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				DATE 8/15	TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH			ICE
402733-1	South Stormwater Lagoon	1	500	X					X				10:48	10:48
2	South Stormwater Lagoon	1	500	X					X				10:46	10:46
3	South Stormwater Lagoon	1	250	X					X				10:46	10:46
4	South Stormwater Lagoon	1	250	X					X				10:46	10:46

ANALYSIS REQUEST	
MTBE 8021B/602	
BTEX 8021B/602	
TPH 418.1 / TX1005	
TX 1005 Extended (C35)	
PAH 8270C	
PAH 8270 (Low Level Analysis)	
Phosphorus SM 4500	
Nitrates EPA 300	
Total Kjeldhal Nitrogen SM 4500 NORG C	X
Chloride EPA 300.0	X
Total Dissolved Solids SM 2540 C MOD	X
Sulfate EPA Method 300.0	
Total Sulfur	X
Turn Around Time	
Hold	

Relinquished By: *[Signature]* Date: 8-15-15 Time: 13:07
 Received By: *[Signature]* Date: 8-15-15 Time: 13:07
 Received at Laboratory By: *[Signature]* Date: 8-15-15 Time: 13:07

Lab Use Only
 Intact N
 Headspace Y / N
 Temp 1/2°C ea.
 Log-In *[Signature]* 8-15-15
 Remarks: Dry Weight Basis Required
 TRRP Report Required

Company Name: D&H Petroleum & Environmental Services
 Address: (Street, City, Zip) 1221 Tower Trail Ln., El Paso, Texas 79907
 Contact Person: Victor Ayala
 Phone #: 915-859-8150
 Cell #:
 Fax #:
 E-mail: vayala@dhpump.com

LAB Order ID # 15081936

Project Name: Mountain View Dairy
 Project #: 474544
 John DeRuyter 575-233-3899
 Sampler Signature: July

Project Location (including state): Mountain View Dairy, 13090 Stern Drive, Mesquite, NM

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		TIME	Hold	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE			NONE
402782	70-01	1	500	X				X					8-19-15	8:46	
↓-2	70-01	1	500	X				X						8:48	
28-1	70-02	1	250	X				X						9:43	
↓-2	70-02	1	500	X				X						9:43	
29-1	70-03	1	500	X				X						11:50	
↓-2	70-03	1	500	X				X						11:50	
30-1	70-04	1	250	X				X						9:27	
↓-2	70-04	1	500	X				X						9:27	
31-1	70 Lagoon	1	500	X				X						10:17	
↓-2	70 Lagoon	1	500	X				X						10:17	
↓-3	70 Lagoon	1	250	X					X					10:17	
↓-4	70 Lagoon	1	250	X				X						10:17	
32-1	North Stormwater Lagoon	1	500	X				X						9:55	
↓-2	North Stormwater Lagoon	1	500	X				X						9:55	
↓-3	North Stormwater Lagoon	1	250	X				X						9:55	
↓-4	North Stormwater Lagoon	1	250	X				X						9:55	

ANALYSIS REQUEST

MTBE 8021B/602															
BTEX 8021B/602															
TPH 418.1 / TX1005															
TX 1005 Extended (C35)															
PAH 8270C															
PAH 8270 (Low Level Analysis)															
Phosphorus SM 4500															
Nitrates EPA 300															
Total Kjeldhal Nitrogen SM 4500 NORG C															
Chloride EPA 300.0															
Total Dissolved Solids SM 2540 C MOD															
Sulfate EPA Method 300.0															
Total Sulfur															
Turn Around Time															

Lab Use Only
 Intact Y / N
 Headspace Y / N
 Temp 12.2 C
 Log-in 8/19/15

Received By: [Signature] Date: 8-19-15 Time: 13:07
 Received at Laboratory By: [Signature] Date: 8/19/15 Time: 9:15

Relinquished By: [Signature] Date: 8-19-15 Time: 1630
 Relinquished By: [Signature] Date: 8-19-15 Time: 1630

Remarks:
Soil per determined by 804 + sulfur analysis
8/19/15 85 19367077
 Dry Weight Basis Required
 TRRP Report Required

6701 Aberdeen, Ste. 9
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

TraceAnalysis, Inc.

Company Name: **D&H Petroleum & Environmental Services**
 Address: (Street, City, Zip)
 1221 Tower Trail Ln., El Paso, Texas 79907
 Contact Person: **Victor Ayala**
 Phone #: 915-859-8150
 Cell #: **915-859-8150**
 Fax #: **915-859-8150**
 E-mail: **vayala@dhpump.com**

Invoice to (if different from above):
 Mountain View Dairy, P.O. Box 345, Mesquite, NM 88048
 Project #: **474549**
 Project Name: **Mountain View Dairy**
 Sampler Signature: *[Signature]*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
402733-1	South Stormwater Lagoon	1	500	X				X	X	X			10-46	10:40
-2	South Stormwater Lagoon	1	500	X				X	X	X			10-46	10:40
-3	South Stormwater Lagoon	1	250	X				X					10-46	10:40
-4	South Stormwater Lagoon	1	250	X				X					10-46	10:40

Page 2 of 2
 CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
 LAB Order ID # **15081936**

ANALYSIS REQUEST	TPH 418.1 / TX1005	BTEX 8021B/602	MTBE 8021B/602
PAH 8270C			
TX 1005 Extended (C35)			
PAH 8270 (Low Level Analysis)			
Phosphorus SM 4500			X
Nitrates EPA 300	X		
Total Kjeldhal Nitrogen SM 4500 NORG C	X		
Chloride EPA 300.0		X	
Total Dissolved Solids SM 2540 C MOD		X	
Sulfate EPA Method 300.0			
Total Sulfur			X
Turn Around Time			
Hold			

Relinquished By: *[Signature]* Date: 8-19-15 Time: 13:07
 Received By: *[Signature]* Date: 8-19-15 Time: 13:07
 Relinquished By: *[Signature]* Date: 8-19-15 Time: 16:30
 Received By: *[Signature]* Date: 8-19-15 Time: 13:07
 Lab Use Only
 Intact N
 Headspace Y / N
 Temp 1/2 C ice
 Log-in *[Signature]* 9/15
 Remarks: **LS 4936 1077**
 Dry Weight Basis Required
 TRRP Report Required



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

(Corrected Report)

Linda Armstrong
 Organ Dairy LLC

Report Date: August 31, 2015

P.O. Box 130
 Mesilla Park, NM, 88047

Work Order: 15081937



DP: 474545
 Project Location: 12560 Stern Dr., Mesquite, NM
 Project Name: Organ Dairy

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
402734	126 Lagoon	water	2015-08-19	08:15	2015-08-19

Report Corrections (Work Order 15081937)

- 8/31/15: Reissued report with Total Phosphorous results for sample 402734.

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Organ Dairy were received by TraceAnalysis, Inc. on 2015-08-19 and assigned to work order 15081937. Samples for work order 15081937 were received intact at a temperature of 2 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105117	2015-08-19 at 20:32	124313	2015-08-19 at 20:32
NO3 (IC)	E 300.0	105120	2015-08-20 at 08:14	124317	2015-08-20 at 20:14
P, Total	S 6010C	105186	2015-08-27 at 12:00	124463	2015-08-28 at 15:24
TDS	SM 2540C	105043	2015-08-20 at 14:20	124227	2015-08-20 at 14:20
TKN	SM 4500-NH3 B,C	105133	2015-08-25 at 10:40	124336	2015-08-25 at 14:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15081937 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 402734 - 126 Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124313 Date Analyzed: 2015-08-19 Analyzed By: JR
 Prep Batch: 105117 Sample Preparation: 2015-08-19 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	1130	1130	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402734 - 126 Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
 Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	J	1,4,6	2.16	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402734 - 126 Lagoon

Laboratory: Lubbock
 Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 124463 Date Analyzed: 2015-08-28 Analyzed By: RR
 Prep Batch: 105186 Sample Preparation: 2015-08-27 Prepared By: RR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Phosphorous		3,5,7,8	39.7	39.7	<0.0194	mg/L	5	0.0194	0.5	0.00389

Sample: 402734 - 126 Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124227 Date Analyzed: 2015-08-20 Analyzed By: MC
 Prep Batch: 105043 Sample Preparation: 2015-08-20 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
			Result	Result	Result					
Total Dissolved Solids		1,4,6	5360	5360	<500	mg/L	200	500	2.5	2.5

Sample: 402734 - 126 Lagoon

Laboratory: Lubbock

Analysis: TKN

QC Batch: 124336

Prep Batch: 105133

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-08-25

Sample Preparation:

Prep Method: N/A

Analyzed By: CF

Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
			Result	Result	Result					
Total Kjeldahl Nitrogen - N		2,3,7,8	16.1	16.1	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124227
Prep Batch: 105043Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124313
Prep Batch: 105117Date Analyzed: 2015-08-19
QC Preparation: 2015-08-19Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124317
Prep Batch: 105120Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124336
Prep Batch: 105133Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25Analyzed By: CF
Prepared By: CF

Report Date: August 31, 2015

Work Order: 15081937
Organ Dairy

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12560 Stern Dr., Mesquite, NM

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	1.18

Method Blank (1)

QC Batch: 124463
Prep Batch: 105186

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-27

Analyzed By: RR
Prepared By: PM

Parameter	F	C	Result	Units	Reporting Limits
Total Phosphorous		3,5,7,8	<0.00389	mg/L	0.00389

Duplicates

Duplicate (1) Duplicated Sample: 402837

QC Batch: 124227
Prep Batch: 105043

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	4880	4860	mg/L	50	0	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124227
Prep Batch: 105043Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	999	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	999	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124313
Prep Batch: 105117Date Analyzed: 2015-08-19
QC Preparation: 2015-08-19Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	25.4	mg/L	1	25.0	<0.00930	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	25.6	mg/L	1	25.0	<0.00930	102	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124317
Prep Batch: 105120Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	5.06	mg/L	1	5.00	<0.0387	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,6	5.08	mg/L	1	5.00	<0.0387	102	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124336
Prep Batch: 105133

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,8	42.7	mg/L	1	50.0	<1.18	85	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,7,8	43.4	mg/L	1	50.0	<1.18	87	82.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124463
Prep Batch: 105186

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-27

Analyzed By: RR
Prepared By: PM

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Phosphorous		3,5,7,8	0.515	mg/L	1	0.500	<0.00389	103	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Phosphorous		3,5,7,8	0.515	mg/L	1	0.500	<0.00389	103	85 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 402733QC Batch: 124313
Prep Batch: 105117Date Analyzed: 2015-08-19
QC Preparation: 2015-08-19Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	3830	mg/L	111	2780	958	103	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	3840	mg/L	111	2780	958	104	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402838QC Batch: 124317
Prep Batch: 105120Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	296	mg/L	55.6	278	11.7	102	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	294	mg/L	55.6	278	11.7	102	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402835QC Batch: 124336
Prep Batch: 105133Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.18	88	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	42.7	mg/L	1	50.0	<1.18	85	77.9 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402697

QC Batch: 124463
Prep Batch: 105186

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-27

Analyzed By: RR
Prepared By: PM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		3,5,7,8	0.505	mg/L	1	0.500	<0.00389	101	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous		3,5,7,8	0.497	mg/L	1	0.500	<0.00389	99	75 - 125	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-2)

QC Batch: 124313

Date Analyzed: 2015-08-19

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.8	99	90 - 110	2015-08-19

Standard (CCV-3)

QC Batch: 124313

Date Analyzed: 2015-08-19

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.0	100	90 - 110	2015-08-19

Standard (CCV-4)

QC Batch: 124313

Date Analyzed: 2015-08-19

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.9	100	90 - 110	2015-08-19

Standard (CCV-1)

QC Batch: 124317

Date Analyzed: 2015-08-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.95	99	90 - 110	2015-08-20

Standard (CCV-2)

QC Batch: 124317

Date Analyzed: 2015-08-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.97	99	90 - 110	2015-08-20

Standard (ICV-1)

QC Batch: 124336

Date Analyzed: 2015-08-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.48	90	85 - 115	2015-08-25

Standard (CCV-1)

QC Batch: 124336

Date Analyzed: 2015-08-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.62	92	85 - 115	2015-08-25

Standard (ICV-1)

QC Batch: 124463

Date Analyzed: 2015-08-28

Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		3,5,7,8	mg/L	5.00	5.38	108	90 - 110	2015-08-28

Standard (CCV-1)

QC Batch: 124463

Date Analyzed: 2015-08-28

Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		3,5,7,8	mg/L	5.00	5.49	110	90 - 110	2015-08-28

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
P, Total	S 6010C	water	PE 8300	Total Phosphorous	0.100	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

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TraceAnalysis, Inc.

155 McCurtcheon, Ste. H
 Paso, TX 79932
 Tel (915) 585-3443
 Fax (915) 585-4944

Company Name: D&H Petroleum & Environmental Services
 Address: (Street, City, Zip) 1221 Tower Trail Ln., El Paso, Texas 79907
 Contact Person: Victor Ayala
 Invoice to (if different from above):
 Organ Dairy (Former Del Norte), P.O. Box 130, Mesilla Park, NM 877
 Project #: 474545

Project Location (including state): Organ Dairy, 12560 Stern Drive, Mesquite, NM
 Project Name: Organ Dairy
 Project #: 474545
 Sampler Signature: *[Signature]*

Phone #: 915-859-8150
 Cell #:
 Fax #:
 E-mail: yayala@dhpump.com

Linda Armstrong 575-233-3620
 Project Name: Organ Dairy

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				DATE	TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH			ICE
		1		X					X	X	X			
		1		X					X	X	X			
		1		X					X	X	X			
		1		X					X	X	X			
		1		X					X	X	X			
		1		X					X	X	X			
		1		X					X	X	X			
		1		X					X	X	X			
		1		X					X	X	X			
40234-1	126 Lagoon	1	500	X					X	X	X	8-19-15	8:15	
-2	126 Lagoon	1	500	X					X	X	X	8-19-15	8:15	
-3	126 Lagoon	1	250	X					X	X	X	8-19-15	8:15	

Relinquished By: *[Signature]* Date: 8-19-15 Time: 13:07
 Received By: *[Signature]* Date: 8-19-15 Time: 13:02
 Relinquished By: *[Signature]* Date: 8-19-15 Time: 13:07
 Received at Laboratory By: *[Signature]* Date: 8-19-15 Time: 13:02

LAB Order ID #	ANALYSIS REQUEST	Remarks:
15081932	MTBE 8021B/602	
	BTEX 8021B/602	
	TPH 418.1 / TX1005	
	TX 1005 Extended (C35)	
	PAH 8270C	
	PAH 8270 (Low Level Analysis)	
	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	
	Nitrates EPA 300	
	Total Kjeldhal Nitrogen SM 4500 NORG C	
	Chloride EPA 300.0	
	Total Dissolved Solids SM 2540 C MOD	
	Phosphorus SM 4500	
	Turn Around Time	
	Hold	

Lab Use Only
 Intact N
 Headspace Y / N
 Temp 12°C
 Log-Review 8/19/15
 Dry Weight Basis Required
 TRRP Report Required



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
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 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Tim Hyde
 Bright Star Dairy
 13520 Stern Dr.
 P.O. Box 167
 Mesquite, NM, 88048

Report Date: August 31, 2015

Work Order: 15082029



DP: 340
 Project Location: 13250 Stern Dr, Mesquite, NM
 Project Name: Bright Star Dairy

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
402835	340-1	Water	2015-08-20	09:54	2015-08-20
402836	340-2	Water	2015-08-20	10:43	2015-08-20
402837	70/86/340	Water	2015-08-20	09:11	2015-08-20
402838	86/340	Water	2015-08-20	08:35	2015-08-20
402849	340 Lagoon	Water	2015-08-20	11:20	2015-08-20

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 24 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Bright Star Dairy were received by TraceAnalysis, Inc. on 2015-08-20 and assigned to work order 15082029. Samples for work order 15082029 were received intact at a temperature of 4.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105120	2015-08-20 at 08:14	124317	2015-08-20 at 20:14
NO3 (IC)	E 300.0	105120	2015-08-20 at 08:14	124317	2015-08-20 at 20:14
TDS	SM 2540C	105043	2015-08-20 at 14:20	124227	2015-08-20 at 14:20
TKN	SM 4500-NH3 B,C	105133	2015-08-25 at 10:40	124336	2015-08-25 at 14:00
TKN	SM 4500-NH3 B,C	105281	2015-08-31 at 09:30	124490	2015-08-31 at 13:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15082029 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 402835 - 340-1

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
 Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	486	486	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402835 - 340-1

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
 Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	34.9	34.9	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402835 - 340-1

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124227 Date Analyzed: 2015-08-20 Analyzed By: MC
 Prep Batch: 105043 Sample Preparation: 2015-08-20 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	3080	3080	<125	mg/L	50	125	2.5	2.5

Sample: 402835 - 340-1

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124336 Date Analyzed: 2015-08-25 Analyzed By: CF
 Prep Batch: 105133 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402836 - 340-2

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
 Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	782	782	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402836 - 340-2

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
 Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	83.0	83.0	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 402836 - 340-2

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124227 Date Analyzed: 2015-08-20 Analyzed By: MC
 Prep Batch: 105043 Sample Preparation: 2015-08-20 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	3210	3210	<125	mg/L	50	125	2.5	2.5

Sample: 402836 - 340-2

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124490 Date Analyzed: 2015-08-31 Analyzed By: CF
 Prep Batch: 105281 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402837 - 70/86/340

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
 Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	1790	1790	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402837 - 70/86/340

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
 Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	8.66	8.66	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402837 - 70/86/340

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124227 Date Analyzed: 2015-08-20 Analyzed By: MC
 Prep Batch: 105043 Sample Preparation: 2015-08-20 Prepared By: MC

continued . . .

sample 402837 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	4860	4860	<125	mg/L	50	125	2.5	2.5

Sample: 402837 - 70/86/340

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124490 Date Analyzed: 2015-08-31 Analyzed By: CF
 Prep Batch: 105281 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,7,8	2.80	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402838 - 86/340

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
 Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	416	416	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 402838 - 86/340

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
 Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	11.7	11.7	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402838 - 86/340

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124227 Date Analyzed: 2015-08-20 Analyzed By: MC
 Prep Batch: 105043 Sample Preparation: 2015-08-20 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2150	2150	<125	mg/L	50	125	2.5	2.5

Sample: 402838 - 86/340

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124490 Date Analyzed: 2015-08-31 Analyzed By: CF
 Prep Batch: 105281 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402849 - 340 Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
 Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	1540	1540	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402849 - 340 Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124317 Date Analyzed: 2015-08-20 Analyzed By: JR
 Prep Batch: 105120 Sample Preparation: 2015-08-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	J	1,4,6	2.40	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402849 - 340 Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124227 Date Analyzed: 2015-08-20 Analyzed By: MC
 Prep Batch: 105043 Sample Preparation: 2015-08-20 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	6720	6720	<500	mg/L	200	500	2.5	2.5

Sample: 402849 - 340 Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124490 Date Analyzed: 2015-08-31 Analyzed By: CF
 Prep Batch: 105281 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	153	153	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124227
Prep Batch: 105043Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124317
Prep Batch: 105120Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124317
Prep Batch: 105120Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124336
Prep Batch: 105133Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25Analyzed By: CF
Prepared By: CF

Report Date: August 31, 2015

Work Order: 15082029
Bright Star Dairy

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13250 Stern Dr, Mesquite, NM

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	1.18

Method Blank (1)

QC Batch: 124490
Prep Batch: 105281

Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 402837

QC Batch: 124227
Prep Batch: 105043

Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	4880	4860	mg/L	50	0	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124227
Prep Batch: 105043Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	999	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	999	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124317
Prep Batch: 105120Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	25.7	mg/L	1	25.0	<0.00930	103	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	25.8	mg/L	1	25.0	<0.00930	103	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124317
Prep Batch: 105120Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	5.06	mg/L	1	5.00	<0.0387	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,6	5.08	mg/L	1	5.00	<0.0387	102	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124336
Prep Batch: 105133

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,8	42.7	mg/L	1	50.0	<1.18	85	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,7,8	43.4	mg/L	1	50.0	<1.18	87	82.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124490
Prep Batch: 105281

Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.18	90	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.18	90	82.8 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 402838QC Batch: 124317
Prep Batch: 105120Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	1860	mg/L	55.6	1390	416	104	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	1830	mg/L	55.6	1390	416	102	80 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402838QC Batch: 124317
Prep Batch: 105120Date Analyzed: 2015-08-20
QC Preparation: 2015-08-20Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	296	mg/L	55.6	278	11.7	102	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	294	mg/L	55.6	278	11.7	102	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402835QC Batch: 124336
Prep Batch: 105133Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.18	88	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	42.7	mg/L	1	50.0	<1.18	85	77.9 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402966

QC Batch: 124490
Prep Batch: 105281

Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	46.2	mg/L	1	50.0	<1.18	92	77.9 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124317

Date Analyzed: 2015-08-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.0	100	90 - 110	2015-08-20

Standard (CCV-1)

QC Batch: 124317

Date Analyzed: 2015-08-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.95	99	90 - 110	2015-08-20

Standard (CCV-2)

QC Batch: 124317

Date Analyzed: 2015-08-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.8	99	90 - 110	2015-08-20

Standard (CCV-2)

QC Batch: 124317

Date Analyzed: 2015-08-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.97	99	90 - 110	2015-08-20

Standard (CCV-3)

QC Batch: 124317

Date Analyzed: 2015-08-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.8	99	90 - 110	2015-08-20

Standard (CCV-3)

QC Batch: 124317

Date Analyzed: 2015-08-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.98	100	90 - 110	2015-08-20

Standard (CCV-4)

QC Batch: 124317

Date Analyzed: 2015-08-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.3	101	90 - 110	2015-08-20

Standard (CCV-4)

QC Batch: 124317

Date Analyzed: 2015-08-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.99	100	90 - 110	2015-08-20

Standard (ICV-1)

QC Batch: 124336

Date Analyzed: 2015-08-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.48	90	85 - 115	2015-08-25

Standard (CCV-1)

QC Batch: 124336

Date Analyzed: 2015-08-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.62	92	85 - 115	2015-08-25

Standard (ICV-1)

QC Batch: 124490

Date Analyzed: 2015-08-31

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.48	90	85 - 115	2015-08-31

Standard (CCV-1)

QC Batch: 124490

Date Analyzed: 2015-08-31

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.62	92	85 - 115	2015-08-31

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

TraceAnalysis, Inc.

155 McCutcheon, Ste. H
 El Paso, TX 79932
 Tel (915) 585-3443
 Fax (915) 585-4944

Page 1 of 1
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
 LAB Order ID # 15282029

Company Name: D&H Petroleum & Environmental Services
Address: (Street, City, Zip) 1221 Tower Trail Ln., El Paso, Texas 79907
Contact Person: Victor Ayala
Phone #: 915-859-8150
Cell #:
Fax #:
E-mail: vayala@dhpump.com

Project Location (including state): Bright Star Dairy, 13520 Stern Drive, Mesquite, NM
Project Name: Bright Star Dairy
Project #:
Sampler Signature: *[Signature]*

Invoice to (if different from above): Bright Star Dairy, P.O. Box 167, Mesquite, NIM 88048
Project Name: Bright Star Dairy
Project #:
Tim Hyde 575-233-2029

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD						DATE	TIME					
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE							
402835-1	340-1	1	2.50	X																
1	-2	340-1	END	X																
402836-1	340-2	1	2.50	X																
1	-2	340-2	2.50	X																
402837-1	70/86/340	1	2.50	X																
1	-2	70/86/340	END	X																
402838-1	86/340	1	2.50	X																
1	-2	86/340	END	X																
402849-1	340 Lagoon	1	2.50	X																
1	-2	340 Lagoon	2.50	X																
1	-3	340 Lagoon	2.50	X																

Relinquished By: *[Signature]* Date: 8-20-15 Time: 11:53
Received By: *[Signature]* Date: 8-20-15 Time: 11:53
Relinquished By: *[Signature]* Date: 8/20/15 Time: 16:30
Received at Laboratory By: *[Signature]* Date: 8-20-15 Time: 11:53

LAB USE ONLY	ANALYSIS REQUEST
MTBE 8021B/602	
BTEX 8021B/602	
TPH 418.1 / TX1005	
TX 1005 Extended (C35)	
PAH 8270C	
PAH 8270 (Low Level Analysis)	
Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	
Nitrates EPA 300	
Total Kjeldhal Nitrogen SM 4500 NORG C	
Chloride EPA 300.0	
Total Dissolved Solids SM 2540 C MOD	
Other - Phosphorus (EPA 6010B)	
Turn Around Time	
Hold	

Lab Use Only
 Initials: *[Signature]*
 Headspace: *[Signature]*
 Temp: *[Signature]*
 Log-in Reviewer: *[Signature]*
Remarks: (11) on file
 Dry Weight Basis Required
 TRRP Report Required

6701 Aberdeen, Ste. 9
Lubbock, TX 79424
Tel (806) 794-1296
Fax (806) 794-1298

TraceAnalysis, Inc.

155 McCutcheon, Ste. H
Paso, TX 79932
Tel (915) 585-3443
Fax (915) 585-4944

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page of

Company Name:

D&H Petroleum & Environmental Services

Address: (Street, City, Zip)

1221 Tower Trail Ln., El Paso, Texas 79907

Contact Person:

Victor Ayala

Invoice to (if different from above):

Bright Star Dairy, P.O. Box 167, Mesquite, NM 88048

Project #:

Tim Hyde 575-233-2029

Project Name:

Bright Star Dairy

Sampler Signature: *Tim Hyde*

Project Location (including state):

Bright Star Dairy, 13520 Stern Drive, Mesquite, NM

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING			
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
402835-1	340-1	1	2.50	X				X						8-20-15	9:54
1 -2	340-1	1	500	X				X							9:54
402836-1	340-2	1	2.50	X				X							10:43
1 -2	340-2	1	2.50	X				X							10:43
402837-1	70/86/340	1	2.50	X				X							9:11
1 -2	70/86/340	1	500	X				X							9:11
402838-1	86/340	1	2.50	X				X							8:35
1 -2	86/340	1	500	X				X							8:35
402849-1	340 Lagoon	1	2.50	X				X							11:20
1 -2	340 Lagoon	1	2.50	X				X							11:20
1 -3	340 Lagoon	1	2.50	X				X							11:20

Relinquished By: <i>Tim Hyde</i>	Date: 8/20/15	Time: 11:53	Received By: <i>MLR</i>	Date: 8-20-15	Time: 11:53
Relinquished By: <i>MLR TRAP</i>	Date: 8/20/15	Time: 16:30	Received at Laboratory By: <i>Star Subhead - Trace</i>	Date: 8-21-15	Time: 09:20

ANALYSIS REQUEST

Method	PAH 8270C	PAH 8270 (Low Level Analysis)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	Nitrates EPA 300	Total Kjeldhal Nitrogen SM 4500 NOR C	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Other - Phosphorus (EPA 6010B)
TPH 418.1 / TX1005								
TX 1005 Extended (C35)								
BTEX 8021B/602								
MtBE 8021B/602								

Remarks: (11) on file
carry in
L50-49367078
Dry Weight Basis Required
TRRP Report Required

8-20-15



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Joe Gonzalez
 Gonzalez Farmes
 14310 Stern Drive
 P.O. Box 199
 Mesquite, NM, 88048

Report Date: August 31, 2015

Work Order: 15082116



Project Location: 14310 Stern Dr., Mesquite, NM
 Project Name: Gonzalez Dairy Inc.
 Project Number: 474553

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
402961	177-01	water	2015-08-21	10:22	2015-08-21
402962	177-02	water	2015-08-21	10:48	2015-08-21
402963	177-03	water	2015-08-21	09:55	2015-08-21
402964	177-04	water	2015-08-21	09:15	2015-08-21
402965	177-05	water	2015-08-21	08:45	2015-08-21
402966	177-07 R	water	2015-08-21	11:18	2015-08-21

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 24 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Gonzalez Dairy Inc. were received by TraceAnalysis, Inc. on 2015-08-21 and assigned to work order 15082116. Samples for work order 15082116 were received intact at a temperature of 4.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105121	2015-08-21 at 18:25	124318	2015-08-21 at 18:25
NO3 (IC)	E 300.0	105121	2015-08-21 at 18:25	124318	2015-08-21 at 18:25
TDS	SM 2540C	105143	2015-08-25 at 13:30	124347	2015-08-25 at 13:30
TKN	SM 4500-NH3 B,C	105281	2015-08-31 at 09:30	124490	2015-08-31 at 13:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15082116 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 402961 - 177-01

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR
 Prep Batch: 105121 Sample Preparation: 2015-08-21 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	1410	1410	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402961 - 177-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR
 Prep Batch: 105121 Sample Preparation: 2015-08-21 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	12.0	12.0	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402961 - 177-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124347 Date Analyzed: 2015-08-25 Analyzed By: MC
 Prep Batch: 105143 Sample Preparation: 2015-08-25 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	4220	4220	<125	mg/L	50	125	2.5	2.5

Sample: 402961 - 177-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124490 Date Analyzed: 2015-08-31 Analyzed By: CF
 Prep Batch: 105281 Sample Preparation: Prepared By: CF

Report Date: August 31, 2015
474553

Work Order: 15082116
Gonzalez Dairy Inc.

Page Number: 6 of 24
14310 Stern Dr., Mesquite, NM

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,7,8	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402962 - 177-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR
 Prep Batch: 105121 Sample Preparation: 2015-08-21 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	797	797	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402962 - 177-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR
 Prep Batch: 105121 Sample Preparation: 2015-08-21 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	18.2	18.2	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402962 - 177-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124347 Date Analyzed: 2015-08-25 Analyzed By: MC
 Prep Batch: 105143 Sample Preparation: 2015-08-25 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2840	2840	<125	mg/L	50	125	2.5	2.5

Sample: 402962 - 177-02

Report Date: August 31, 2015
474553

Work Order: 15082116
Gonzalez Dairy Inc.

Page Number: 7 of 24
14310 Stern Dr., Mesquite, NM

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124490 Date Analyzed: 2015-08-31 Analyzed By: CF
Prep Batch: 105281 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402963 - 177-03

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR
Prep Batch: 105121 Sample Preparation: 2015-08-21 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	745	745	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402963 - 177-03

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR
Prep Batch: 105121 Sample Preparation: 2015-08-21 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	6.35	6.35	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402963 - 177-03

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 124347 Date Analyzed: 2015-08-25 Analyzed By: MC
Prep Batch: 105143 Sample Preparation: 2015-08-25 Prepared By: MC

continued . . .

sample 402963 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2600	2600	<125	mg/L	50	125	2.5	2.5

Sample: 402963 - 177-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124490 Date Analyzed: 2015-08-31 Analyzed By: CF
 Prep Batch: 105281 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402964 - 177-04

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR
 Prep Batch: 105121 Sample Preparation: 2015-08-21 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	1420	1420	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402964 - 177-04

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR
 Prep Batch: 105121 Sample Preparation: 2015-08-21 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	7.50	7.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402964 - 177-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124347 Date Analyzed: 2015-08-25 Analyzed By: MC
 Prep Batch: 105143 Sample Preparation: 2015-08-25 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	4040	4040	<125	mg/L	50	125	2.5	2.5

Sample: 402964 - 177-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124490 Date Analyzed: 2015-08-31 Analyzed By: CF
 Prep Batch: 105281 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402965 - 177-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR
 Prep Batch: 105121 Sample Preparation: 2015-08-21 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	1300	1300	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402965 - 177-05

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Gonzalez Dairy Inc.

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Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR
Prep Batch: 105121 Sample Preparation: 2015-08-21 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	34.0	34.0	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402965 - 177-05

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 124347 Date Analyzed: 2015-08-25 Analyzed By: MC
Prep Batch: 105143 Sample Preparation: 2015-08-25 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	3920	3920	<125	mg/L	50	125	2.5	2.5

Sample: 402965 - 177-05

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124490 Date Analyzed: 2015-08-31 Analyzed By: CF
Prep Batch: 105281 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402966 - 177-07 R

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR
Prep Batch: 105121 Sample Preparation: 2015-08-21 Prepared By: JR

continued ...

sample 402966 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	1170	1170	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402966 - 177-07 R

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR
 Prep Batch: 105121 Sample Preparation: 2015-08-21 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	35.0	35.0	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402966 - 177-07 R

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124347 Date Analyzed: 2015-08-25 Analyzed By: MC
 Prep Batch: 105143 Sample Preparation: 2015-08-25 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	3600	3600	<125	mg/L	50	125	2.5	2.5

Sample: 402966 - 177-07 R

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124490 Date Analyzed: 2015-08-31 Analyzed By: CF
 Prep Batch: 105281 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124318
Prep Batch: 105121

Date Analyzed: 2015-08-21
QC Preparation: 2015-08-21

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124318
Prep Batch: 105121

Date Analyzed: 2015-08-21
QC Preparation: 2015-08-21

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124347
Prep Batch: 105143

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124490
Prep Batch: 105281

Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31

Analyzed By: CF
Prepared By: CF

Report Date: August 31, 2015
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Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 402966

QC Batch: 124347
Prep Batch: 105143

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3600	3600	mg/L	50	0	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124318
Prep Batch: 105121

Date Analyzed: 2015-08-21
QC Preparation: 2015-08-21

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	24.6	mg/L	1	25.0	<0.00930	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	24.7	mg/L	1	25.0	<0.00930	99	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124318
Prep Batch: 105121

Date Analyzed: 2015-08-21
QC Preparation: 2015-08-21

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	4.86	mg/L	1	5.00	<0.0387	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	4.87	mg/L	1	5.00	<0.0387	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124347
Prep Batch: 105143

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	998	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	997	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124490
Prep Batch: 105281

Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.18	90	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.18	90	82.8 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 402963

QC Batch: 124318
Prep Batch: 105121

Date Analyzed: 2015-08-21
QC Preparation: 2015-08-21

Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	2130	mg/L	55.6	1390	745	100	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	2130	mg/L	55.6	1390	745	100	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402963

QC Batch: 124318
Prep Batch: 105121

Date Analyzed: 2015-08-21
QC Preparation: 2015-08-21

Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	281	mg/L	55.6	278	6.35	99	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	281	mg/L	55.6	278	6.35	99	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402966

QC Batch: 124490
Prep Batch: 105281

Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	46.2	mg/L	1	50.0	<1.18	92	77.9 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124318

Date Analyzed: 2015-08-21

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.8	99	90 - 110	2015-08-21

Standard (CCV-1)

QC Batch: 124318

Date Analyzed: 2015-08-21

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.91	98	90 - 110	2015-08-21

Standard (CCV-2)

QC Batch: 124318

Date Analyzed: 2015-08-21

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.1	100	90 - 110	2015-08-21

Standard (CCV-2)

QC Batch: 124318

Date Analyzed: 2015-08-21

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.96	99	90 - 110	2015-08-21

Standard (CCV-3)

QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.2	101	90 - 110	2015-08-21

Standard (CCV-3)

QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.97	99	90 - 110	2015-08-21

Standard (CCV-4)

QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.2	101	90 - 110	2015-08-21

Standard (CCV-4)

QC Batch: 124318 Date Analyzed: 2015-08-21 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.98	100	90 - 110	2015-08-21

Standard (ICV-1)

QC Batch: 124490 Date Analyzed: 2015-08-31 Analyzed By: CF

Report Date: August 31, 2015
474553

Work Order: 15082116
Gonzalez Dairy Inc.

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Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.48	90	85 - 115	2015-08-31

Standard (CCV-1)

QC Batch: 124490

Date Analyzed: 2015-08-31

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.62	92	85 - 115	2015-08-31

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

TraceAnalysis, Inc.

100 Westchester, Ste. 111
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

Company Name:
 D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907
 Contact Person:
 Victor Ayala
 Invoice to (if different from above):
 Gonzalez Dairy, PO Box 199, Mesquite, NM 88048
 Project #: **474553**

Phone #: 915-859-8150
 Cell #:
 Fax #:
 E-mail: vajala@dhpump.com

Project Name: Joe Gonzalez 575-233-4801
 Gonzalez Dairy Inc.
 Sampler Signature: *Quiny*

Project Location (including state):
 Gonzalez Dairy, 14310 Stern Dr., Mesquite, NM

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
402961	177-01	1		X				X					8-21-15	10:22
L-2	177-01	1		X				X						10:22
42	177-02	1		X				X						10:48
L-2	177-02	1		X				X						10:48
43	177-03	1	500	X				X						9:55
L-2	177-03	1	500	X				X						9:55
49	177-04	1	250	X				X						9:15
L-2	177-04	1	800	X				X						9:15
45	177-05	1	500	X				X						8:45
L-2	177-05	1	500	X				X						8:45
472		1		X				X						
473		1		X				X						
402964	177-07 R	1		X				X						11:10
L-2	177-07 R	1		X				X						11:10

Relinquished By: *Quiny* Date: 8-21-15 Time: 11:56
 Received By: *Denny McHale* Date: 8-21-15 Time: 11:54
 Relinquished By: *D7 A H* Date: 8-21-15 Time: 14:30
 Received at Laboratory By: Time:

Lab Use Only
 Intad Y N
 Headspace Y N
 Temp
 Log-in Review

Remarks: *on ICE*
IR-2
Temp 6m
 Dry Weight Basis Required
 TRRP Report Required

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 CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
 LAB Order ID # 15062116
 ANALYSIS REQUEST
 MTRB 8021B/602
 BTEX 8021B/602
 TPH 418.1 / TX1005
 TX 1005 Extended (C35)
 PAH 8270C
 PAH 8270 (Low Level Analysis)
 Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7
 Nitrate EPA 300
 TKN SM 4500 NORG C
 Chloride EPA 300
 Total Dissolved Solids SM 2540 C MOD
 Turn Around Time
 Hold



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
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Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Fernie Franco
 Buena Vista Dairy #2
 16910 Stern Drive
 P.O. Box 346
 Mesquite, NM, 88048

Report Date: September 2, 2015

Work Order: 15082416



Project Location: 16910 Stern Drive, Mesquite, NM
 Project Name: Buena Vista Dairy #2
 Project Number: 474551

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403124	74-1	Water	2015-08-24	10:22	2015-08-24
403125	74-2	Water	2015-08-24	09:18	2015-08-24
403126	74-3	Water	2015-08-24	09:55	2015-08-24
403127	74-4	Water	2015-08-24	10:56	2015-08-24
403128	74-5	Water	2015-08-24	11:19	2015-08-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 23 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Buena Vista Dairy #2 were received by TraceAnalysis, Inc. on 2015-08-24 and assigned to work order 15082416. Samples for work order 15082416 were received intact at a temperature of 5.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105128	2015-08-24 at 19:54	124330	2015-08-24 at 19:54
NO3 (IC)	E 300.0	105128	2015-08-24 at 19:54	124330	2015-08-24 at 19:54
TDS	SM 2540C	105158	2015-08-26 at 13:15	124360	2015-08-26 at 13:15
TKN	SM 4500-NH3 B,C	105323	2015-09-01 at 09:10	124546	2015-09-01 at 12:45

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15082416 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 403124 - 74-1

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	902	902	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403124 - 74-1

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	67.4	67.4	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403124 - 74-1

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124360 Date Analyzed: 2015-08-26 Analyzed By: MC
 Prep Batch: 105158 Sample Preparation: 2015-08-26 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	3360	3360	<125	mg/L	50	125	2.5	2.5

Sample: 403124 - 74-1

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124546 Date Analyzed: 2015-09-01 Analyzed By: CF
 Prep Batch: 105323 Sample Preparation: Prepared By: CF

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Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	Qr,U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403125 - 74-2

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	566	566	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403125 - 74-2

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	26.1	26.1	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403125 - 74-2

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124360 Date Analyzed: 2015-08-26 Analyzed By: MC
 Prep Batch: 105158 Sample Preparation: 2015-08-26 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2270	2270	<125	mg/L	50	125	2.5	2.5

Sample: 403125 - 74-2

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Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124546 Date Analyzed: 2015-09-01 Analyzed By: CF
Prep Batch: 105323 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	Qr,U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403126 - 74-3

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	1190	1190	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403126 - 74-3

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	U	1,4,5	<0.194	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403126 - 74-3

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 124360 Date Analyzed: 2015-08-26 Analyzed By: MC
Prep Batch: 105158 Sample Preparation: 2015-08-26 Prepared By: MC

continued . . .

sample 403126 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	3960	3960	<125	mg/L	50	125	2.5	2.5

Sample: 403126 - 74-3

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124546 Date Analyzed: 2015-09-01 Analyzed By: CF
 Prep Batch: 105323 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	Qr,U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403127 - 74-4

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	576	576	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403127 - 74-4

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

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Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	21.7	21.7	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403127 - 74-4

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124360 Date Analyzed: 2015-08-26 Analyzed By: MC
 Prep Batch: 105158 Sample Preparation: 2015-08-26 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	2120	2120	<125	mg/L	50	125	2.5	2.5

Sample: 403127 - 74-4

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124546 Date Analyzed: 2015-09-01 Analyzed By: CF
 Prep Batch: 105323 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		Qr,U 2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403128 - 74-5

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	505	505	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403128 - 74-5

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Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	22.7	22.7	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403128 - 74-5

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 124360 Date Analyzed: 2015-08-26 Analyzed By: MC
Prep Batch: 105158 Sample Preparation: 2015-08-26 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	2040	2040	<125	mg/L	50	125	2.5	2.5

Sample: 403128 - 74-5

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124546 Date Analyzed: 2015-09-01 Analyzed By: CF
Prep Batch: 105323 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		Qr,U 2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124330
Prep Batch: 105128

Date Analyzed: 2015-08-24
QC Preparation: 2015-08-24

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124330
Prep Batch: 105128

Date Analyzed: 2015-08-24
QC Preparation: 2015-08-24

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,5	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124360
Prep Batch: 105158

Date Analyzed: 2015-08-26
QC Preparation: 2015-08-26

Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124546
Prep Batch: 105323

Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01

Analyzed By: CF
Prepared By: CF

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Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403128

QC Batch: 124360
Prep Batch: 105158

Date Analyzed: 2015-08-26
QC Preparation: 2015-08-26

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	2110	2040	mg/L	50	3	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124330
Prep Batch: 105128

Date Analyzed: 2015-08-24
QC Preparation: 2015-08-24

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	24.5	mg/L	1	25.0	<0.00930	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	24.8	mg/L	1	25.0	<0.00930	99	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124330
Prep Batch: 105128

Date Analyzed: 2015-08-24
QC Preparation: 2015-08-24

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.82	mg/L	1	5.00	<0.0387	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	4.92	mg/L	1	5.00	<0.0387	98	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124360
Prep Batch: 105158

Date Analyzed: 2015-08-26
QC Preparation: 2015-08-26

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	998	mg/L	1	1000	<2.50	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,5	998	mg/L	1	1000	<2.50	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124546
Prep Batch: 105323

Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	42.7	mg/L	1	50.0	<1.18	85	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	43.4	mg/L	1	50.0	<1.18	87	82.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403125

QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
Prep Batch: 105128 QC Preparation: 2015-08-24 Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,5	1980	mg/L	55.6	1390	566	102	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		1,4,5	1990	mg/L	55.6	1390	566	102	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403125

QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
Prep Batch: 105128 QC Preparation: 2015-08-24 Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,5	304	mg/L	55.6	278	26.1	100	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,5	300	mg/L	55.6	278	26.1	98	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403222

QC Batch: 124546 Date Analyzed: 2015-09-01 Analyzed By: CF
Prep Batch: 105323 QC Preparation: 2015-09-01 Prepared By: CF

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N	Qs	2,3,6,7	1.40	mg/L	1	50.0	<1.18	3	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	Qr, Qs	2,3,6,7	<1.18	mg/L	1	50.0	<1.18	0	77.9 - 115	200	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-2)

QC Batch: 124330

Date Analyzed: 2015-08-24

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.3	101	90 - 110	2015-08-24

Standard (CCV-2)

QC Batch: 124330

Date Analyzed: 2015-08-24

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	5.01	100	90 - 110	2015-08-24

Standard (CCV-3)

QC Batch: 124330

Date Analyzed: 2015-08-24

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.3	101	90 - 110	2015-08-24

Standard (CCV-3)

QC Batch: 124330

Date Analyzed: 2015-08-24

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	5.02	100	90 - 110	2015-08-24

Standard (CCV-4)

QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.9	100	90 - 110	2015-08-24

Standard (CCV-4)

QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.92	98	90 - 110	2015-08-24

Standard (CCV-5)

QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.9	100	90 - 110	2015-08-24

Standard (CCV-5)

QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.92	98	90 - 110	2015-08-24

Standard (ICV-1)

QC Batch: 124546 Date Analyzed: 2015-09-01 Analyzed By: CF

Report Date: September 2, 2015
474551

Work Order: 15082416
Buena Vista Dairy #2

Page Number: 20 of 23
16910 Stern Drive, Mesquite, NM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.34	87	85 - 115	2015-09-01

Standard (CCV-1)

QC Batch: 124546

Date Analyzed: 2015-09-01

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.48	90	85 - 115	2015-09-01

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-15-11	Lubbock
7		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

15082416

6701 Aberdeen, Ste. 9
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

TraceAnalysis, Inc.

Company Name: D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln., El Paso, Texas 79907
 Contact Person: Victor Ayala
 Invoice to (if different from above):
 Buena Vista Dairy #2, P.O. Box 346, Mesquite, NM 88048
 Project #: 474561

Phone #: 915-859-8150
 Cell #:
 Fax #:
 E-mail: vayala@dhpump.com

Project Location (including state):
 Buena Vista Dairy #2, 16910 Stern Drive, Mesquite, NM

Project Name: Buena Vista Dairy #2
 Project Signature: *JMS*

Page 1 of 1
 CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
 LAB Order ID # 15082416

LAB #	Field Code	# Containers	Volume/Amount	MATRIX	PRESERVATIVE METHOD	DATE	SAMPLING TIME	MTRE 8021B/602	BTEX 8021B/602	TPH 418.1 / TX1005	TX 1005 Extended (C35)	PAH 8270C	PAH 8270 (Low Level Analysis)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	Nitrates EPA 300	Total Kjeldhal Nitrogen SM 4500 NORGC	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Turn Around Time	Hold
4031244	74-1	1	250	WATER	HNO ₃ HCl H ₂ SO ₄ NaOH ICE NONE	8-24-15	10:22	X							X	X	X			
L - 2	74-1	1	500				10:22	X							X	X	X			
4031261	74-2	1	250	WATER	HNO ₃ HCl H ₂ SO ₄ NaOH ICE NONE		9:16	X							X	X	X			
L - 2	74-2	1	500				9:55	X							X	X	X			
4031261	74-3	1	250	WATER	HNO ₃ HCl H ₂ SO ₄ NaOH ICE NONE		9:55	X							X	X	X			
L - 2	74-3	1	500				10:56	X							X	X	X			
4031271	74-4	1	250	WATER	HNO ₃ HCl H ₂ SO ₄ NaOH ICE NONE		10:56	X							X	X	X			
L - 2	74-4	1	500				11:19	X							X	X	X			
4031281	74-5	1	250	WATER	HNO ₃ HCl H ₂ SO ₄ NaOH ICE NONE		11:19	X							X	X	X			
L - 2	74-5	1	500					X							X	X	X			
	74-Lagoon	1						X							X	X	X			
	74-Lagoon	1						X							X	X	X			

Relinquished By: *JMS* Date: 8-24-15 Time: 14:00
 Received By: *MML* Date: 8-24-15 Time: 14:05
 Relinquished By: *MML* Date: 8-24-15 Time: 16:30
 Received at Laboratory By: *DCJ* Date: 8/25/15 Time: 10:00
 Lab Use Only
 Intact (Y/N) Y/N
 Headspace Y/N
 Temp (F) 4/5
 Log in Review 824-15
 Remarks: *ON FILE*
8549347060
CARM JR
1.2
1.2
 Dry Weight Basis Required
 TRRP Report Required



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
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E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Bruce Bonestroo
River Valley Dairy, LLC
1400 La Chuga Rd., Mesquite
P.O. Box 1929
Anthony, NM, 88021

Report Date: September 2, 2015

Work Order: 15082415



Project Location: 1400 La Chuga Rd., Mesquite, NM
Project Name: River Valley Dairy, LLC

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403120	167-01A	Water	2015-08-24	13:17	2015-08-24
403121	167-06	Water	2015-08-24	11:52	2015-08-24
403122	167-07	Water	2015-08-24	12:32	2015-08-24

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project River Valley Dairy, LLC were received by TraceAnalysis, Inc. on 2015-08-24 and assigned to work order 15082415. Samples for work order 15082415 were received intact at a temperature of 5.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105128	2015-08-24 at 19:54	124330	2015-08-24 at 19:54
NO3 (IC)	E 300.0	105128	2015-08-24 at 19:54	124330	2015-08-24 at 19:54
TDS	SM 2540C	105158	2015-08-26 at 13:15	124360	2015-08-26 at 13:15
TKN	SM 4500-NH3 B,C	105323	2015-09-01 at 09:10	124546	2015-09-01 at 12:45

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15082415 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 403120 - 167-01A

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	698	698	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403120 - 167-01A

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	J,Je	1,4,5	0.216	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403120 - 167-01A

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124360 Date Analyzed: 2015-08-26 Analyzed By: MC
 Prep Batch: 105158 Sample Preparation: 2015-08-26 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2980	2980	<125	mg/L	50	125	2.5	2.5

Sample: 403120 - 167-01A

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124546 Date Analyzed: 2015-09-01 Analyzed By: CF
 Prep Batch: 105323 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	Qr,U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403121 - 167-06

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	642	642	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403121 - 167-06

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	20.2	20.2	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403121 - 167-06

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124360 Date Analyzed: 2015-08-26 Analyzed By: MC
 Prep Batch: 105158 Sample Preparation: 2015-08-26 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2620	2620	<125	mg/L	50	125	2.5	2.5

Sample: 403121 - 167-06

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124546 Date Analyzed: 2015-09-01 Analyzed By: CF
 Prep Batch: 105323 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	Qr,U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403122 - 167-07

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	542	542	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403122 - 167-07

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124330 Date Analyzed: 2015-08-24 Analyzed By: JR
 Prep Batch: 105128 Sample Preparation: 2015-08-24 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	U	1,4,5	<0.194	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403122 - 167-07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124360 Date Analyzed: 2015-08-26 Analyzed By: MC
 Prep Batch: 105158 Sample Preparation: 2015-08-26 Prepared By: MC

continued . . .

sample 403122 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	4990	4990	<125	mg/L	50	125	2.5	2.5

Sample: 403122 - 167-07

Laboratory: Lubbock
Analysis: TKN
QC Batch: 124546
Prep Batch: 105323

Analytical Method: SM 4500-NH3 B,C
Date Analyzed: 2015-09-01
Sample Preparation:

Prep Method: N/A
Analyzed By: CF
Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	Qr,U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124330
Prep Batch: 105128Date Analyzed: 2015-08-24
QC Preparation: 2015-08-24Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124330
Prep Batch: 105128Date Analyzed: 2015-08-24
QC Preparation: 2015-08-24Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,5	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124360
Prep Batch: 105158Date Analyzed: 2015-08-26
QC Preparation: 2015-08-26Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124546
Prep Batch: 105323Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01Analyzed By: CF
Prepared By: CF

Report Date: September 2, 2015

Work Order: 15082415
River Valley Dairy, LLC

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1400 La Chuga Rd., Mesquite, NM

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403128

QC Batch: 124360
 Prep Batch: 105158

Date Analyzed: 2015-08-26
 QC Preparation: 2015-08-26

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	2110	2040	mg/L	50	3	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124330
Prep Batch: 105128Date Analyzed: 2015-08-24
QC Preparation: 2015-08-24Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	24.5	mg/L	1	25.0	<0.00930	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	24.8	mg/L	1	25.0	<0.00930	99	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124330
Prep Batch: 105128Date Analyzed: 2015-08-24
QC Preparation: 2015-08-24Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.82	mg/L	1	5.00	<0.0387	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	4.92	mg/L	1	5.00	<0.0387	98	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124360
Prep Batch: 105158Date Analyzed: 2015-08-26
QC Preparation: 2015-08-26Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	998	mg/L	1	1000	<2.50	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,5	998	mg/L	1	1000	<2.50	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124546
Prep Batch: 105323

Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	42.7	mg/L	1	50.0	<1.18	85	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	43.4	mg/L	1	50.0	<1.18	87	82.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403222

QC Batch: 124546
Prep Batch: 105323

Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	Qs	2,3,6,7	1.40	mg/L	1	50.0	<1.18	3	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	Qr, Qs	2,3,6,7	<1.18	mg/L	1	50.0	<1.18	0	77.9 - 115	200	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124330

Date Analyzed: 2015-08-24

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.1	100	90 - 110	2015-08-24

Standard (CCV-1)

QC Batch: 124330

Date Analyzed: 2015-08-24

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.99	100	90 - 110	2015-08-24

Standard (CCV-2)

QC Batch: 124330

Date Analyzed: 2015-08-24

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.3	101	90 - 110	2015-08-24

Standard (CCV-2)

QC Batch: 124330

Date Analyzed: 2015-08-24

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	5.01	100	90 - 110	2015-08-24

Standard (CCV-3)

QC Batch: 124330

Date Analyzed: 2015-08-24

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.3	101	90 - 110	2015-08-24

Standard (CCV-3)

QC Batch: 124330

Date Analyzed: 2015-08-24

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	5.02	100	90 - 110	2015-08-24

Standard (ICV-1)

QC Batch: 124546

Date Analyzed: 2015-09-01

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.34	87	85 - 115	2015-09-01

Standard (CCV-1)

QC Batch: 124546

Date Analyzed: 2015-09-01

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.48	90	85 - 115	2015-09-01

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-15-11	Lubbock
7		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

Trace Analysis, Inc.

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
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200 East Sunset Rd., Suite E
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Brandon & Clark
3403 Industrial Blvd.
Hobbs, NM 88240
Tel (575) 392-7561
Fax (575) 392-4508

email: lab@traceanalysis.com

Company Name: DH Petroleum & Environmental Phone #: 915-859-8150
 Address: 1221 Tower Trail Loop El Paso, Tx, 79907 Fax #: _____
 Contact Person: Rosaldo Guillen E-mail: rguillen@ehpump.com
 Invoice to: _____
 (If different from above) River Valley, PO Box 1419, Anthony, NM Project Name: Baca Dinestee 575-238-244
 Project #: 474554 Project Name: River Valley, LLC
 Project Location (including state): River Valley, 1400 LA Canga Rd, Mesquite, NM Sampler Signature: JWS

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		TIME	Turn Around Time if different from standard		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE			DATE	TIME
403104	167-01A	1	250	X				X			X			8/24	1317	X	TKN SM 4520 NDR6C
120-2	167-01A	1	500	X				X			X			1317		X	Chloride EPA 8090
121-1	167-06	1	250	X				X			X			1152		X	TKN SM 4520 NDR6C
121-2	167-06	1	500	X				X			X			1152		X	TKN SM 4520 NDR6C
122-1	167-07	1	250	X				X			X			1230		X	TKN SM 4520 NDR6C
122-2	167-07	1	500	X				X			X			1230		X	TKN SM 4520 NDR6C

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	MTBE 8021 / 602 / 8260 / 624
<input type="checkbox"/>	BTEX 8021 / 602 / 8260 / 624
<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 Ex(C35)
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	PAH 8270 / 625
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260 / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270 / 625
<input type="checkbox"/>	PCBs 8082 / 608
<input type="checkbox"/>	Pesticides 8081 / 608
<input type="checkbox"/>	BOD, TSS, pH
<input type="checkbox"/>	Moisture Content
<input type="checkbox"/>	Cl, F, SO ₄ , NO ₃ -N, NO ₂ -N, PO ₄ -P, Alkalinity
<input type="checkbox"/>	Na, Ca, Mg, K, TDS, EC
<input type="checkbox"/>	Nitates EPA 300.0
<input type="checkbox"/>	TKN SM 4520 NDR6C
<input type="checkbox"/>	Chloride EPA 8090
<input type="checkbox"/>	TDS SM 8540 C MDA
<input type="checkbox"/>	Hold

Relinquished by: JWS Company: SAA Date: 8-24-15 Time: 14:00
 Received by: MCO Company: TSP Date: 8-24-15 Time: 14:05
 Relinquished by: MCO Company: TSP Date: 8/24/15 Time: 16:30
 Received by: RG Company: TSP Date: 8/25/14 Time: _____

INST: _____ OBS: _____ COR: _____
 INST: _____ OBS: _____ COR: _____
 INST: _____ OBS: _____ COR: _____

REMARKS: on file

LAB USE ONLY

intact Y / N
 Headspace Y / N / NA

Dry Weight Basis Required
 TRRP Report Required
 Check if Special Reporting Limits Are Needed

Carrier # 600077



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Bruce Bonestroo
 River Valley Dairy, LLC
 1400 La Chuga Rd., Mesquite
 P.O. Box 1929
 Anthony, NM, 88021

Report Date: September 4, 2015

Work Order: 15082531



Project Location: 1400 La Chuga Rd., Mesquite, NM
 Project Name: River Valley Dairy, LLC
 Project #: 474554

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403221	167-03	water	2015-08-25	09:04	2015-08-25
403222	167-04	water	2015-08-25	08:36	2015-08-25
403223	167-05	water	2015-08-25	10:26	2015-08-25
403224	167-09	water	2015-08-25	10:47	2015-08-25
403225	Lagoon	water	2015-08-25	08:31	2015-08-25

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 22 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project River Valley Dairy, LLC were received by TraceAnalysis, Inc. on 2015-08-25 and assigned to work order 15082531. Samples for work order 15082531 were received intact at a temperature of 3.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105150	2015-08-25 at 20:33	124353	2015-08-25 at 20:33
NO3 (IC)	E 300.0	105150	2015-08-25 at 20:33	124353	2015-08-25 at 20:33
TDS	SM 2540C	105208	2015-08-27 at 14:45	124416	2015-08-27 at 14:45
TKN	SM 4500-NH3 B,C	105323	2015-09-01 at 09:10	124546	2015-09-01 at 12:45
TKN	SM 4500-NH3 B,C	105396	2015-09-03 at 10:30	124636	2015-09-03 at 13:30

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15082531 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

This report contains 2 analytes that have been manually integrated.

Sample	Analyte	Flag	Comment
1. 124353 Method Blank-1	Nitrate-N	MI4	Instrument software integrated improperly
2. 124353 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 403221 - 167-03

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	496	496	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403221 - 167-03

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	J,MI4,MI5	1,4,5	13.3	13.3	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403221 - 167-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124416 Date Analyzed: 2015-08-27 Analyzed By: MC
 Prep Batch: 105208 Sample Preparation: 2015-08-27 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2020	2020	<125	mg/L	50	125	2.5	2.5

Sample: 403221 - 167-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124546 Date Analyzed: 2015-09-01 Analyzed By: CF
 Prep Batch: 105323 Sample Preparation: Prepared By: CF

Report Date: September 4, 2015

Work Order: 15082531
River Valley Dairy, LLC

Page Number: 6 of 22
1400 La Chuga Rd., Mesquite, NM

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	Qr,U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403222 - 167-04

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	1040	1040	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403222 - 167-04

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	J,MI4,MI5	1,4,5	27.0	27.0	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403222 - 167-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124416 Date Analyzed: 2015-08-27 Analyzed By: MC
 Prep Batch: 105208 Sample Preparation: 2015-08-27 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	3860	3860	<125	mg/L	50	125	2.5	2.5

Sample: 403222 - 167-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124546 Date Analyzed: 2015-09-01 Analyzed By: CF
 Prep Batch: 105323 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N			Result	Result	Result	mg/L	1	1.18	10	1.18

Sample: 403223 - 167-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride			Result	Result	Result	mg/L	50	0.465	2.5	0.0093

Sample: 403223 - 167-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N			Result	Result	Result	mg/L	5	0.194	0.5	0.0387

Sample: 403223 - 167-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124416 Date Analyzed: 2015-08-27 Analyzed By: MC
 Prep Batch: 105208 Sample Preparation: 2015-08-27 Prepared By: MC

continued . . .

sample 403223 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	3100	3100	<125	mg/L	50	125	2.5	2.5

Sample: 403223 - 167-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124636 Date Analyzed: 2015-09-03 Analyzed By: CF
 Prep Batch: 105396 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,6,7	2.10	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403224 - 167-09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	563	563	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403224 - 167-09

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	J,MI4,MI5	1,4,5	2.30	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403224 - 167-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124416 Date Analyzed: 2015-08-27 Analyzed By: MC
 Prep Batch: 105208 Sample Preparation: 2015-08-27 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	2480	2480	<125	mg/L	50	125	2.5	2.5

Sample: 403224 - 167-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124636 Date Analyzed: 2015-09-03 Analyzed By: CF
 Prep Batch: 105396 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,6,7	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403225 - Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	958	958	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403225 - Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	J,Je,MI4,MI5	1,4,5	0.983	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403225 - Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124416 Date Analyzed: 2015-08-27 Analyzed By: MC
 Prep Batch: 105208 Sample Preparation: 2015-08-27 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	3220	3220	<500	mg/L	200	500	2.5	2.5

Sample: 403225 - Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124636 Date Analyzed: 2015-09-03 Analyzed By: CF
 Prep Batch: 105396 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,6,7	81.9	81.9	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124353
Prep Batch: 105150Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124353
Prep Batch: 105150Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	J,MI4,MI5	1,4,5	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124416
Prep Batch: 105208Date Analyzed: 2015-08-27
QC Preparation: 2015-08-27Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<25.0	mg/L	2.5

Method Blank (1)

QC Batch: 124546
Prep Batch: 105323Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01Analyzed By: CF
Prepared By: CF

Report Date: September 4, 2015

Work Order: 15082531
River Valley Dairy, LLC

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Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Method Blank (1)

QC Batch: 124636
Prep Batch: 105396

Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403228

QC Batch: 124416
 Prep Batch: 105208

Date Analyzed: 2015-08-27
 QC Preparation: 2015-08-27

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	1100	1110	mg/L	50	1	10

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403222

QC Batch: 124546 Date Analyzed: 2015-09-01 Analyzed By: CF
Prep Batch: 105323 QC Preparation: 2015-09-01 Prepared By: CF

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Total Kjeldahl Nitrogen - N	Qs	2,3,6,7	1.40	mg/L	1	50.0	<1.18	3	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Total Kjeldahl Nitrogen - N	Qr, Qs	2,3,6,7	<1.18	mg/L	1	50.0	<1.18	0	77.9 - 115	200	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403306

QC Batch: 124636 Date Analyzed: 2015-09-03 Analyzed By: CF
Prep Batch: 105396 QC Preparation: 2015-09-03 Prepared By: CF

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Total Kjeldahl Nitrogen - N	Qs	2,3,6,7	38.5	mg/L	1	50.0	<1.18	77	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Total Kjeldahl Nitrogen - N		2,3,6,7	42.7	mg/L	1	50.0	<1.18	85	77.9 - 115	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124353

Date Analyzed: 2015-08-25

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.8	99	90 - 110	2015-08-25

Standard (CCV-1)

QC Batch: 124353

Date Analyzed: 2015-08-25

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.83	97	90 - 110	2015-08-25

Standard (CCV-2)

QC Batch: 124353

Date Analyzed: 2015-08-25

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.9	100	90 - 110	2015-08-25

Standard (CCV-2)

QC Batch: 124353

Date Analyzed: 2015-08-25

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.85	97	90 - 110	2015-08-25

Standard (CCV-3)

QC Batch: 124353

Date Analyzed: 2015-08-25

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.9	100	90 - 110	2015-08-25

Standard (CCV-3)

QC Batch: 124353

Date Analyzed: 2015-08-25

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.84	97	90 - 110	2015-08-25

Standard (ICV-1)

QC Batch: 124546

Date Analyzed: 2015-09-01

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.34	87	85 - 115	2015-09-01

Standard (CCV-1)

QC Batch: 124546

Date Analyzed: 2015-09-01

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.48	90	85 - 115	2015-09-01

Standard (ICV-1)

QC Batch: 124636

Date Analyzed: 2015-09-03

Analyzed By: CF

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Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-09-03

Standard (CCV-1)

QC Batch: 124636

Date Analyzed: 2015-09-03

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-09-03

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-15-11	Lubbock
7		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

Company Name: **5082531 TraceAnalysis, Inc.**
 Phone #: 915-859-8150
 Cell #:
 Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907
 Contact Person:
 Victor Ayala
 E-mail: vajjala@dhpump.com

LAB Order ID # 15082531

Company Name: **D&H Petroleum & Environmental Services**
 Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907
 Contact Person:
 Victor Ayala

Project #: 474534
 Project Name: River Valley Dairy, LLC
 Sampler Signature: *[Signature]*

Project Location (including state): River Valley Dairy, 1400 La Chuga Rd., Mesquite, NM
 Invoice to (if different from above): River Valley Dairy, PO Box 1929, Anthony, NM 88021
 Project Name: River Valley Dairy, LLC
 Project #: 474534
 Sampler Signature: *[Signature]*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING			
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
403221	167-03	1	250	X				X						8/25/15	9:04
1-2	167-03	1	500	X				X							9:04
22	167-04	1	250	X				X						8:36	8:36
1-2	167-04	1	500	X				X						8:36	8:36
23	167-05	1	250	X				X						10:26	10:26
1-2	167-05	1	500	X				X						10:26	10:26
24	167-09	1	250	X				X						10:47	10:47
1-2	167-09	1	500	X				X						10:47	10:47
25	Lagoon	1	250	X				X						8:31	8:31
1-2	Lagoon	1	500	X				X						8:31	8:31

LAB USE ONLY	Field Code	# Containers	Volume/Amount	WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME	TPH 418.1 / TX1005	BTEX 8021B/602	MTBE 8021B/602	PAH 8270C	PAH 8270 (Low Level Analysis)	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	Nitrates EPA 300	TKN SM 4500 NORG C	Chloride EPA 300	Total Dissolved Solids SM 2540 C MOD	Turn Around Time	Hold
	403221	1	250	X				X						8/25/15	9:04						X	X	X	X			
	1-2	1	500	X				X							9:04						X	X	X	X			
	22	1	250	X				X						8:36	8:36						X	X	X	X			
	1-2	1	500	X				X						8:36	8:36						X	X	X	X			
	23	1	250	X				X						10:26	10:26						X	X	X	X			
	1-2	1	500	X				X						10:26	10:26						X	X	X	X			
	24	1	250	X				X						10:47	10:47						X	X	X	X			
	1-2	1	500	X				X						10:47	10:47						X	X	X	X			
	25	1	250	X				X						8:31	8:31						X	X	X	X			
	1-2	1	500	X				X						8:31	8:31						X	X	X	X			

ANALYSIS REQUEST

Remarks:

Lab Use Only

Intact Y / N N

Headspace Y / N N

Temp 2/3 100%

Log-in Review 60

Received By: Danny Walters Date: 8-25-14 Time: 14:00

Relinquished By: guy Date: 8/25/15 Time: 13:55

Received at Laboratory By: [Signature] Date: 8/26/15 Time: 8:40

Relinquished By: Danny Walters Date: 8-25-15 Time: 14:30

LS 49367081

Dry Weight Basis Required

TRRP Report Required



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Isaac Dominguez
 Dominguez Dairy #2
 13600 Stern Drive
 P. O. Box 21
 Mesquite, NM, 88048

Report Date: September 4, 2015

Work Order: 15082532



Project Location: 13600 Stern Dr. Mesquite, NM
 Project Name: Dominguez Dairy
 Project Number: 461591

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403226	42-10	water	2015-08-25	13:03	2015-08-25
403227	42-11	water	2015-08-25	11:53	2015-08-25
403228	42-12	water	2015-08-25	12:25	2015-08-25

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 21 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Dominguez Dairy were received by TraceAnalysis, Inc. on 2015-08-25 and assigned to work order 15082532. Samples for work order 15082532 were received intact at a temperature of 3.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105150	2015-08-25 at 20:33	124353	2015-08-25 at 20:33
NO3 (IC)	E 300.0	105150	2015-08-25 at 20:33	124353	2015-08-25 at 20:33
TDS	SM 2540C	105208	2015-08-27 at 14:45	124416	2015-08-27 at 14:45
TKN	SM 4500-NH3 B,C	105396	2015-09-03 at 10:30	124636	2015-09-03 at 13:30

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15082532 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

This report contains 2 analytes that have been manually integrated.

Sample	Analyte	Flag	Comment
1. 124353 Method Blank-1	Nitrate-N	MI4	Instrument software integrated improperly
2. 124353 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 403226 - 42-10

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	436	436	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403226 - 42-10

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	J,Je,MI4,MI5,U	1,4,5	<0.194	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403226 - 42-10

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124416 Date Analyzed: 2015-08-27 Analyzed By: MC
 Prep Batch: 105208 Sample Preparation: 2015-08-27 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	1440	1440	<125	mg/L	50	125	2.5	2.5

Sample: 403226 - 42-10

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124636 Date Analyzed: 2015-09-03 Analyzed By: CF
 Prep Batch: 105396 Sample Preparation: Prepared By: CF

Report Date: September 4, 2015
461591

Work Order: 15082532
Dominguez Dairy

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Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403227 - 42-11

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	302	302	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403227 - 42-11

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
 Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	J,Je,MI4,MI5	1,4,5	1.00	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403227 - 42-11

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124416 Date Analyzed: 2015-08-27 Analyzed By: MC
 Prep Batch: 105208 Sample Preparation: 2015-08-27 Prepared By: MC

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	1160	1160	<125	mg/L	50	125	2.5	2.5

Sample: 403227 - 42-11

Report Date: September 4, 2015
461591

Work Order: 15082532
Dominguez Dairy

Page Number: 7 of 21
13600 Stern Dr. Mesquite, NM

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124636 Date Analyzed: 2015-09-03 Analyzed By: CF
Prep Batch: 105396 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403228 - 42-12

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	340	340	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403228 - 42-12

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124353 Date Analyzed: 2015-08-25 Analyzed By: JR
Prep Batch: 105150 Sample Preparation: 2015-08-25 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	J,Je,MI4,MI5	1,4,5	0.774	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403228 - 42-12

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 124416 Date Analyzed: 2015-08-27 Analyzed By: MC
Prep Batch: 105208 Sample Preparation: 2015-08-27 Prepared By: MC

continued . . .

sample 403228 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	1110	1110	<125	mg/L	50	125	2.5	2.5

Sample: 403228 - 42-12

Laboratory: Lubbock
Analysis: TKN
QC Batch: 124636
Prep Batch: 105396

Analytical Method: SM 4500-NH3 B,C
Date Analyzed: 2015-09-03
Sample Preparation:

Prep Method: N/A
Analyzed By: CF
Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124353
Prep Batch: 105150

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124353
Prep Batch: 105150

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	J,MI4,MI5	1,4,5	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124416
Prep Batch: 105208

Date Analyzed: 2015-08-27
QC Preparation: 2015-08-27

Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<25.0	mg/L	2.5

Method Blank (1)

QC Batch: 124636
Prep Batch: 105396

Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03

Analyzed By: CF
Prepared By: CF

Report Date: September 4, 2015
461591

Work Order: 15082532
Dominguez Dairy

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Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403228

QC Batch: 124416
Prep Batch: 105208

Date Analyzed: 2015-08-27
QC Preparation: 2015-08-27

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	1100	1110	mg/L	50	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124353
Prep Batch: 105150

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	25.3	mg/L	1	25.0	<0.00930	101	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	25.4	mg/L	1	25.0	<0.00930	102	90 - 110	0 20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124353
Prep Batch: 105150

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.92	mg/L	1	5.00	<0.0387	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	4.94	mg/L	1	5.00	<0.0387	99	90 - 110	0 20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124416
Prep Batch: 105208

Date Analyzed: 2015-08-27
QC Preparation: 2015-08-27

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	999	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,5	999	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124636
Prep Batch: 105396

Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	51.1	mg/L	1	50.0	<1.18	102	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	52.5	mg/L	1	50.0	<1.18	105	82.8 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403221

QC Batch: 124353
Prep Batch: 105150

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	1940	mg/L	55.6	1390	496	104	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Chloride		1,4,5	1940	mg/L	55.6	1390	496	104	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403221

QC Batch: 124353
Prep Batch: 105150

Date Analyzed: 2015-08-25
QC Preparation: 2015-08-25

Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	291	mg/L	55.6	278	13.3	100	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Nitrate-N		1,4,5	290	mg/L	55.6	278	13.3	100	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403306

QC Batch: 124636
Prep Batch: 105396

Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	Qs	2,3,6,7	38.5	mg/L	1	50.0	<1.18	77	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Report Date: September 4, 2015
461591

Work Order: 15082532
Dominguez Dairy

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Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	42.7	mg/L	1	50.0	<1.18	85	77.9 - 115	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-2)

QC Batch: 124353

Date Analyzed: 2015-08-25

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.9	100	90 - 110	2015-08-25

Standard (CCV-2)

QC Batch: 124353

Date Analyzed: 2015-08-25

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.85	97	90 - 110	2015-08-25

Standard (CCV-3)

QC Batch: 124353

Date Analyzed: 2015-08-25

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.9	100	90 - 110	2015-08-25

Standard (CCV-3)

QC Batch: 124353

Date Analyzed: 2015-08-25

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.84	97	90 - 110	2015-08-25

Report Date: September 4, 2015
461591

Work Order: 15082532
Dominguez Dairy

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Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-09-03

Standard (CCV-1)

QC Batch: 124636

Date Analyzed: 2015-09-03

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-09-03

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-15-11	Lubbock
7		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

15082532

6701 Aberdeen, Ste. 9
Lubbock, TX 79424
Tel (806) 794-1296
Fax (806) 794-1298

TraceAnalysis, Inc.

155 McCutcheon, Ste. H
Paso, TX 79932
Tel (915) 585-3443
Fax (915) 585-4944

Page 1 of 1
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 15082532

Company Name: _____

Phone #: 915-859-8150
Cell #: _____
Fax #: _____
E-mail: vayala@dhpump.com

D&H Petroleum & Environmental Services

Address: (Street, City, Zip)
1221 Tower Trail Ln., El Paso, Texas 79907

Contact Person:
Victor Ayala

Invoice to (if different from above): _____

Dominguez Dairy #2, P.O. Box 21, Mesquite, NM 88048

Isaac Dominguez 575-649-7040

Project #:

Project Name:

Dominguez Dairy #2

Project Location (including state): _____

Dominguez Dairy #2, 13600 Stern Drive, Mesquite, NM

Sampler Signature: Judy

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				Sampling		TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE		DATE
403224	42-10	1	250	X				X	X	X	X			8/25/15	13:03
L-2	42-10	1	500	X				X	X	X	X			8/25/15	13:03
27	42-11	1	250	X				X	X	X	X			8/25/15	11:53
L-2	42-11	1	500	X				X	X	X	X			8/25/15	11:53
28	42-12	1	250	X				X	X	X	X			8/25/15	12:25
L-2	42-12	1	500	X				X	X	X	X			8/25/15	12:25
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				
		1		X				X	X	X	X				

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
<u>Judy</u>	8-25-15	13:55	<u>DJ da H</u>	8-25-15	14:00
<u>Djordjevic</u>	8-25-15	16:30	<u>BJ TA</u>	8/26/15	8:40am

ANALYSIS REQUEST

MTBE 8021B/602																					
BTEX 8021B/602																					
TPH 418.1 / TX1005																					
TX 1005 Extended (C35)																					
PAH 8270C																					
PAH 8270 (Low Level Analysis)																					
Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	X																				
Nitrates EPA 300	X																				
Total Kjeldahl Nitrogen SM 4500 NORGC	X																				
Chloride EPA 300.0	X																				
Total Dissolved Solids SM 2540 C MOD	X																				
Turn Around Time																					
Hold																					

Remarks:

Lab Use Only
 Intact / N
 Headspace Y / (N/A)
 Temp 2/3
 Log-in Review 8/26/15

Dry Weight Basis Required
 TRRP Report Required
549367081



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Isaac Dominguez
Dominguez Dairy #2
13600 Stern Drive
P. O. Box 21
Mesquite, NM, 88048

Report Date: September 4, 2015

Work Order: 15082634



Project Location: 13600 Stern Dr. Mesquite, NM
Project Name: Dominguez Dairy #2
Project Number: 474544

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403303	42-02	water	2015-08-26	09:31	2015-08-26
403304	42-03	water	2015-08-26	12:38	2015-08-26
403305	42-06	water	2015-08-26	10:27	2015-08-26
403306	42-08	water	2015-08-26	10:01	2015-08-26
403307	42-09	water	2015-08-26	11:07	2015-08-26
403308	42-13	water	2015-08-26	12:12	2015-08-26
403309	Lagoon	water	2015-08-26	11:32	2015-08-26

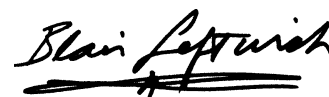
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 27 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

A handwritten signature in black ink that reads "Blair Leftwich". The signature is written in a cursive style and is underlined with two horizontal lines.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Dominguez Dairy #2 were received by TraceAnalysis, Inc. on 2015-08-26 and assigned to work order 15082634. Samples for work order 15082634 were received intact at a temperature of 2 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105177	2015-08-26 at 19:13	124381	2015-08-26 at 19:13
NO3 (IC)	E 300.0	105177	2015-08-26 at 19:13	124381	2015-08-26 at 19:13
TDS	SM 2540C	105277	2015-08-28 at 13:41	124487	2015-08-28 at 13:41
TKN	SM 4500-NH3 B,C	105396	2015-09-03 at 10:30	124636	2015-09-03 at 13:30
TKN	SM 4500-NH3 B,C	105400	2015-09-03 at 10:30	124640	2015-09-03 at 13:30

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15082634 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

This report contains 1 analytes that have been manually integrated.

Sample	Analyte	Flag	Comment
1. 124381 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 403303 - 42-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
 Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B,Je	1,4,5	492	492	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403303 - 42-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
 Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	Je,MI5	1,4,5	6.38	6.38	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403303 - 42-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124487 Date Analyzed: 2015-08-28 Analyzed By: MC
 Prep Batch: 105277 Sample Preparation: 2015-08-28 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2540	2540	<125	mg/L	50	125	2.5	2.5

Sample: 403303 - 42-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124636 Date Analyzed: 2015-09-03 Analyzed By: CF
 Prep Batch: 105396 Sample Preparation: Prepared By: CF

Report Date: September 4, 2015
474544

Work Order: 15082634
Dominguez Dairy #2

Page Number: 7 of 27
13600 Stern Dr. Mesquite, NM

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,6,7	5.60	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403304 - 42-03

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
 Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B,Je	1,4,5	1040	1040	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403304 - 42-03

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
 Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	Je,MI5	1,4,5	74.7	74.7	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403304 - 42-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124487 Date Analyzed: 2015-08-28 Analyzed By: MC
 Prep Batch: 105277 Sample Preparation: 2015-08-28 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	3820	3820	<125	mg/L	50	125	2.5	2.5

Sample: 403304 - 42-03

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Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124636 Date Analyzed: 2015-09-03 Analyzed By: CF
Prep Batch: 105396 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403305 - 42-06

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B,Je	1,4,5	391	391	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403305 - 42-06

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	Je,MI5	1,4,5	80.7	80.7	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403305 - 42-06

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 124487 Date Analyzed: 2015-08-28 Analyzed By: MC
Prep Batch: 105277 Sample Preparation: 2015-08-28 Prepared By: MC

continued . . .

sample 403305 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	2680	2680	<125	mg/L	50	125	2.5	2.5

Sample: 403305 - 42-06

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124636 Date Analyzed: 2015-09-03 Analyzed By: CF
 Prep Batch: 105396 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403306 - 42-08

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
 Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride	B,Je	1,4,5	89.6	89.6	<0.0465	mg/L	5	0.0465	2.5	0.0093

Sample: 403306 - 42-08

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
 Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

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Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	Je,MI5	1,4,5	37.4	37.4	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403306 - 42-08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124487 Date Analyzed: 2015-08-28 Analyzed By: MC
 Prep Batch: 105277 Sample Preparation: 2015-08-28 Prepared By: MC

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	1640	1640	<125	mg/L	50	125	2.5	2.5

Sample: 403306 - 42-08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124636 Date Analyzed: 2015-09-03 Analyzed By: CF
 Prep Batch: 105396 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403307 - 42-09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
 Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride	B,Je	1,4,5	712	712	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403307 - 42-09

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
 Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	Je,MI5	1,4,5	57.1	57.1	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403307 - 42-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124487 Date Analyzed: 2015-08-28 Analyzed By: MC
 Prep Batch: 105277 Sample Preparation: 2015-08-28 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	3020	3020	<125	mg/L	50	125	2.5	2.5

Sample: 403307 - 42-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124640 Date Analyzed: 2015-09-03 Analyzed By: CF
 Prep Batch: 105400 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403308 - 42-13

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
 Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

continued ...

sample 403308 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride	B,Je	1,4,5	756	756	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403308 - 42-13

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
 Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	Je,MI5	1,4,5	49.3	49.3	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403308 - 42-13

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124487 Date Analyzed: 2015-08-28 Analyzed By: MC
 Prep Batch: 105277 Sample Preparation: 2015-08-28 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	3480	3480	<125	mg/L	50	125	2.5	2.5

Sample: 403308 - 42-13

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124640 Date Analyzed: 2015-09-03 Analyzed By: CF
 Prep Batch: 105400 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403309 - Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
 Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B,Je	1,4,5	1120	1120	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403309 - Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
 Prep Batch: 105177 Sample Preparation: 2015-08-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	J,Je,M15	1,4,5	2.34	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403309 - Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124487 Date Analyzed: 2015-08-28 Analyzed By: MC
 Prep Batch: 105277 Sample Preparation: 2015-08-28 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	5280	5280	<250	mg/L	100	250	2.5	2.5

Sample: 403309 - Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124640 Date Analyzed: 2015-09-03 Analyzed By: CF
 Prep Batch: 105400 Sample Preparation: Prepared By: CF

continued ...

sample 403309 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,6,7	253	253	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124381
Prep Batch: 105177

Date Analyzed: 2015-08-26
QC Preparation: 2015-08-26

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride	B,Je	1,4,5	0.271	mg/L	0.0093

Method Blank (1)

QC Batch: 124381
Prep Batch: 105177

Date Analyzed: 2015-08-26
QC Preparation: 2015-08-26

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	Je,MI5	1,4,5	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124487
Prep Batch: 105277

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28

Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124636
Prep Batch: 105396

Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03

Analyzed By: CF
Prepared By: CF

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Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Method Blank (1)

QC Batch: 124640
Prep Batch: 105400

Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403381

QC Batch: 124487
Prep Batch: 105277

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	2800	2580	mg/L	50	8	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124381
Prep Batch: 105177

Date Analyzed: 2015-08-26
QC Preparation: 2015-08-26

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	24.4	mg/L	1	25.0	<0.00930	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	24.8	mg/L	1	25.0	<0.00930	99	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124381
Prep Batch: 105177

Date Analyzed: 2015-08-26
QC Preparation: 2015-08-26

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.73	mg/L	1	5.00	<0.0387	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	4.91	mg/L	1	5.00	<0.0387	98	90 - 110	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124487
Prep Batch: 105277

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	999	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,5	1000	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124636
Prep Batch: 105396

Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	51.1	mg/L	1	50.0	<1.18	102	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	52.5	mg/L	1	50.0	<1.18	105	82.8 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124640
Prep Batch: 105400

Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	53.2	mg/L	1	50.0	<1.18	106	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	51.8	mg/L	1	50.0	<1.18	104	82.8 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403305

QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
Prep Batch: 105177 QC Preparation: 2015-08-26 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	1770	mg/L	55.6	1390	391	99	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	1770	mg/L	55.6	1390	391	99	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403305

QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR
Prep Batch: 105177 QC Preparation: 2015-08-26 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	353	mg/L	55.6	278	80.7	98	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	347	mg/L	55.6	278	80.7	96	80 - 120	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403306

QC Batch: 124636 Date Analyzed: 2015-09-03 Analyzed By: CF
Prep Batch: 105396 QC Preparation: 2015-09-03 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	Qs	2,3,6,7	38.5	mg/L	1	50.0	<1.18	77	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	42.7	mg/L	1	50.0	<1.18	85	77.9 - 115	10	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403381

QC Batch: 124640
Prep Batch: 105400

Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	Qs	2,3,6,7	37.8	mg/L	1	50.0	<1.18	76	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	Qs	2,3,6,7	38.5	mg/L	1	50.0	<1.18	77	77.9 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124381

Date Analyzed: 2015-08-26

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.2	97	90 - 110	2015-08-26

Standard (CCV-1)

QC Batch: 124381

Date Analyzed: 2015-08-26

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.87	97	90 - 110	2015-08-26

Standard (CCV-2)

QC Batch: 124381

Date Analyzed: 2015-08-26

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.8	99	90 - 110	2015-08-26

Standard (CCV-2)

QC Batch: 124381

Date Analyzed: 2015-08-26

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.81	96	90 - 110	2015-08-26

Standard (CCV-3)

QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.5	98	90 - 110	2015-08-26

Standard (CCV-3)

QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.83	97	90 - 110	2015-08-26

Standard (CCV-4)

QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.9	100	90 - 110	2015-08-26

Standard (CCV-4)

QC Batch: 124381 Date Analyzed: 2015-08-26 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.94	99	90 - 110	2015-08-26

Standard (ICV-1)

QC Batch: 124636 Date Analyzed: 2015-09-03 Analyzed By: CF

Report Date: September 4, 2015
474544

Work Order: 15082634
Dominguez Dairy #2

Page Number: 24 of 27
13600 Stern Dr. Mesquite, NM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-09-03

Standard (CCV-1)

QC Batch: 124636

Date Analyzed: 2015-09-03

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-09-03

Standard (ICV-1)

QC Batch: 124640

Date Analyzed: 2015-09-03

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-09-03

Standard (CCV-1)

QC Batch: 124640

Date Analyzed: 2015-09-03

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.76	95	85 - 115	2015-09-03

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-15-11	Lubbock
7		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
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 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

George Segura
 Big Sky Dairy
 17800 Stern Drive
 P.O. Box 10
 Mesquite, NM, 88048

Report Date: September 11, 2015

Work Order: 15082729



DP: 467709
 Project Location: 17800 Stern Drive, Mesquite, NM 88048
 Project Name: Big Sky Dairy

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403380	833-02	water	2015-08-27	12:06	2015-08-27
403381	833-04	water	2015-08-27	10:35	2015-08-27
403382	833-05	water	2015-08-27	09:35	2015-08-27
403383	833-06	water	2015-08-27	11:06	2015-08-27
403384	833-07	water	2015-08-27	09:04	2015-08-27
403385	833-08	water	2015-08-27	10:07	2015-08-27
403386	833-09	water	2015-08-27	11:31	2015-08-27
403387	833-10	water	2015-08-27	07:53	2015-08-27

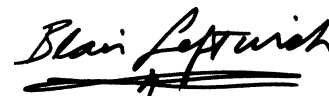
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 30 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

A handwritten signature in black ink that reads "Blair Leftwich". The signature is written in a cursive style and is underlined with a thick, dark line.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Big Sky Dairy were received by TraceAnalysis, Inc. on 2015-08-27 and assigned to work order 15082729. Samples for work order 15082729 were received intact at a temperature of 2.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105254	2015-08-27 at 19:25	124467	2015-08-27 at 19:25
NO3 (IC)	E 300.0	105254	2015-08-27 at 19:25	124467	2015-08-27 at 19:25
TDS	SM 2540C	105277	2015-08-28 at 13:41	124487	2015-08-28 at 13:41
TDS	SM 2540C	105318	2015-08-31 at 14:00	124540	2015-08-31 at 14:00
TKN	SM 4500-NH3 B,C	105400	2015-09-03 at 10:30	124640	2015-09-03 at 13:30
TKN	SM 4500-NH3 B,C	105550	2015-09-11 at 11:00	124807	2015-09-11 at 14:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15082729 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 403380 - 833-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	720	720	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403380 - 833-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	44.5	44.5	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403380 - 833-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124487 Date Analyzed: 2015-08-28 Analyzed By: MC
 Prep Batch: 105277 Sample Preparation: 2015-08-28 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2250	2250	<125	mg/L	50	125	2.5	2.5

Sample: 403380 - 833-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124640 Date Analyzed: 2015-09-03 Analyzed By: CF
 Prep Batch: 105400 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,7,8	2.80	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403381 - 833-04

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	835	835	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403381 - 833-04

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	26.2	26.2	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403381 - 833-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124487 Date Analyzed: 2015-08-28 Analyzed By: MC
 Prep Batch: 105277 Sample Preparation: 2015-08-28 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2580	2580	<125	mg/L	50	125	2.5	2.5

Sample: 403381 - 833-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124640 Date Analyzed: 2015-09-03 Analyzed By: CF
 Prep Batch: 105400 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	Q _{s,U}	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403382 - 833-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	833	833	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403382 - 833-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	22.1	22.1	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403382 - 833-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124540 Date Analyzed: 2015-08-31 Analyzed By: MC
 Prep Batch: 105318 Sample Preparation: 2015-08-31 Prepared By: MC

continued . . .

sample 403382 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2350	2350	<125	mg/L	50	125	2.5	2.5

Sample: 403382 - 833-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124807 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105550 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,7,8	2.80	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403383 - 833-06

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	708	708	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403383 - 833-06

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	32.3	32.3	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403383 - 833-06

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124540 Date Analyzed: 2015-08-31 Analyzed By: MC
 Prep Batch: 105318 Sample Preparation: 2015-08-31 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2360	2360	<125	mg/L	50	125	2.5	2.5

Sample: 403383 - 833-06

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124807 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105550 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403384 - 833-07

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	1350	1350	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403384 - 833-07

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	88.9	88.9	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403384 - 833-07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124540 Date Analyzed: 2015-08-31 Analyzed By: MC
 Prep Batch: 105318 Sample Preparation: 2015-08-31 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	4700	4700	<125	mg/L	50	125	2.5	2.5

Sample: 403384 - 833-07

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124807 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105550 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,7,8	2.80	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403385 - 833-08

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

continued ...

sample 403385 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	569	569	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403385 - 833-08

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	55.7	55.7	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403385 - 833-08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124540 Date Analyzed: 2015-08-31 Analyzed By: MC
 Prep Batch: 105318 Sample Preparation: 2015-08-31 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2360	2360	<125	mg/L	50	125	2.5	2.5

Sample: 403385 - 833-08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124807 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105550 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403386 - 833-09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	861	861	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403386 - 833-09

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	92.6	92.6	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403386 - 833-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124540 Date Analyzed: 2015-08-31 Analyzed By: MC
 Prep Batch: 105318 Sample Preparation: 2015-08-31 Prepared By: MC

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	3580	3580	<125	mg/L	50	125	2.5	2.5

Sample: 403386 - 833-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124807 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105550 Sample Preparation: Prepared By: CF

continued ...

sample 403386 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403387 - 833-10

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	678	678	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403387 - 833-10

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124467 Date Analyzed: 2015-08-27 Analyzed By: JR
 Prep Batch: 105254 Sample Preparation: 2015-08-27 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	3.58	3.58	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403387 - 833-10

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124540 Date Analyzed: 2015-08-31 Analyzed By: MC
 Prep Batch: 105318 Sample Preparation: 2015-08-31 Prepared By: MC

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
Total Dissolved Solids		1,4,6	2670	2670	<125	mg/L	50	125	2.5	2.5

Sample: 403387 - 833-10

Laboratory: Lubbock

Analysis: TKN

QC Batch: 124807

Prep Batch: 105550

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-09-11

Sample Preparation:

Prep Method: N/A

Analyzed By: CF

Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124467
Prep Batch: 105254Date Analyzed: 2015-08-27
QC Preparation: 2015-08-27Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124467
Prep Batch: 105254Date Analyzed: 2015-08-27
QC Preparation: 2015-08-27Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124487
Prep Batch: 105277Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124540
Prep Batch: 105318Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<25.0	mg/L	2.5

Method Blank (1)QC Batch: 124640
Prep Batch: 105400Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	1.18

Method Blank (1)QC Batch: 124807
Prep Batch: 105550Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403381QC Batch: 124487
Prep Batch: 105277Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2800	2580	mg/L	50	8	10

Duplicate (1) Duplicated Sample: 403387QC Batch: 124540
Prep Batch: 105318Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2640	2670	mg/L	50	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124467
Prep Batch: 105254

Date Analyzed: 2015-08-27
QC Preparation: 2015-08-27

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	24.8	mg/L	1	25.0	<0.00930	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	25.2	mg/L	1	25.0	<0.00930	101	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124467
Prep Batch: 105254

Date Analyzed: 2015-08-27
QC Preparation: 2015-08-27

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	4.84	mg/L	1	5.00	<0.0387	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	4.92	mg/L	1	5.00	<0.0387	98	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124487
Prep Batch: 105277

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	999	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1000	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124540
Prep Batch: 105318

Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	1000	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1000	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124640
Prep Batch: 105400

Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	53.2	mg/L	1	50.0	<1.18	106	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	51.8	mg/L	1	50.0	<1.18	104	82.8 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124807
Prep Batch: 105550

Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	46.2	mg/L	1	50.0	<1.18	92	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	49.0	mg/L	1	50.0	<1.18	98	82.8 - 115	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403383QC Batch: 124467
Prep Batch: 105254Date Analyzed: 2015-08-27
QC Preparation: 2015-08-27Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,6	2110	mg/L	55.6	1390	708	101	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		1,4,6	2120	mg/L	55.6	1390	708	102	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403383QC Batch: 124467
Prep Batch: 105254Date Analyzed: 2015-08-27
QC Preparation: 2015-08-27Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,6	304	mg/L	55.6	278	32.3	98	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,6	304	mg/L	55.6	278	32.3	98	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403381QC Batch: 124640
Prep Batch: 105400Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03Analyzed By: CF
Prepared By: CF

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N	Qs	2,3,7,8	37.8	mg/L	1	50.0	<1.18	76	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	Qs	2,3,7,8	38.5	mg/L	1	50.0	<1.18	77	77.9 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403549

QC Batch: 124807
Prep Batch: 105550

Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	47.6	mg/L	1	50.0	3.5	88	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	46.9	mg/L	1	50.0	3.5	87	77.9 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124467

Date Analyzed: 2015-08-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.4	98	90 - 110	2015-08-27

Standard (CCV-1)

QC Batch: 124467

Date Analyzed: 2015-08-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.84	97	90 - 110	2015-08-27

Standard (CCV-2)

QC Batch: 124467

Date Analyzed: 2015-08-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.6	98	90 - 110	2015-08-27

Standard (CCV-2)

QC Batch: 124467

Date Analyzed: 2015-08-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.87	97	90 - 110	2015-08-27

Standard (CCV-3)

QC Batch: 124467

Date Analyzed: 2015-08-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.0	100	90 - 110	2015-08-27

Standard (CCV-3)

QC Batch: 124467

Date Analyzed: 2015-08-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.88	98	90 - 110	2015-08-27

Standard (CCV-4)

QC Batch: 124467

Date Analyzed: 2015-08-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.1	100	90 - 110	2015-08-27

Standard (CCV-4)

QC Batch: 124467

Date Analyzed: 2015-08-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.89	98	90 - 110	2015-08-27

Standard (CCV-5)

QC Batch: 124467

Date Analyzed: 2015-08-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.7	99	90 - 110	2015-08-27

Standard (CCV-5)

QC Batch: 124467

Date Analyzed: 2015-08-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.89	98	90 - 110	2015-08-27

Standard (ICV-1)

QC Batch: 124640

Date Analyzed: 2015-09-03

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.62	92	85 - 115	2015-09-03

Standard (CCV-1)

QC Batch: 124640

Date Analyzed: 2015-09-03

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.76	95	85 - 115	2015-09-03

Standard (ICV-1)

QC Batch: 124807

Date Analyzed: 2015-09-11

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.76	95	85 - 115	2015-09-11

Standard (CCV-1)

QC Batch: 124807

Date Analyzed: 2015-09-11

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.76	95	85 - 115	2015-09-11

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

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Brandon & Clark
 3403 Industrial Blvd.
 Hobbs, NM 88240
 Tel (575) 392-7561
 Fax (575) 392-4508

Company Name: DH Petroleum & Environmental
Address: (Street, City, Zip) 1221 Tower Trail Ln, El Paso, TX 79907
Contact Person: Rosalie Guillen
Phone #: 915-859-8150
Fax #:
E-mail: rgullen@pump.com

Invoice to: (If different from above) Big Sky RD Box 10, Mesquite, NM 88048
Project #:

Project Location (including state): 17800 Steen Dr., Mesquite, NM
Sampler Name: Big Sky
Sampler Signature: JWG

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX	PRESERVATIVE METHOD				SAMPLING			
					HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
40330-833-02		1	200			X			X		8-27-15	12:06
80-833-02		1	500			X			X		8-27-15	12:06
81-1-833-04		1	200			X			X		10:35	10:35
-2-833-04		1	500			X			X		9:35	9:35
82-1-833-05		1	200			X			X		9:35	9:35
1-2-833-05		1	500			X			X		11:06	11:06
83-1-833-06		1	500			X			X		11:06	11:06
1-2-833-06		1	500			X			X		9:04	9:04
84-1-833-07		1	200			X			X		9:04	9:04
1-2-833-07		1	500			X			X			

LAB USE ONLY	Field Code	# Containers	Volume / Amount	Matrix	Preservative Method	Date	Time	Company	INST	OBS	COR	REMARKS:
	MTBE	8021 / 602 / 8260 / 624							12-2			
	BTEX	8021 / 602 / 8260 / 624							12-2			
	TPH 418.1 / TX1005 / TX1005 Ext(C35)								12-2			
	TPH 8015 GRO / DRO / TVHC								12-2			
	PAH 8270 / 625								12-2			
	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7								12-2			
	TCLP Metals Ag As Ba Cd Cr Pb Se Hg								12-2			
	TCLP Volatiles								12-2			
	TCLP Semi Volatiles								12-2			
	TCLP Pesticides								12-2			
	RCI								12-2			
	GC/MS Vol. 8260 / 624								12-2			
	GC/MS Semi. Vol. 8270 / 625								12-2			
	Pesticides 8081 / 608								12-2			
	BOD, TSS, pH								12-2			
	Moisture Content								12-2			
	Cl, F, SO ₄ , NO ₃ -N, NO ₂ -N, PO ₄ -P, Alkalinity								12-2			
	Na, Ca, Mg, K, TDS, EC								12-2			
	Nitrates EPA 300								12-2			
	TKN SM 4500 NHR C								12-2			
	Chloride EPA 300								12-2			
	TDS 2540 C MND								12-2			

LAB USE ONLY
INST 12-2
OBS 12-2
COR 12-2
Received by: D JAH
Company: D JAH
Date: 8-27-15
Time: 13:00
INST 12-2
OBS 12-2
COR 12-2
Received by: D JAH
Company: D JAH
Date: 8-27-15
Time: 16:30
INST 12-2
OBS 12-2
COR 12-2
Received by: D JAH
Company: D JAH
Date: 8-27-15
Time: 16:30

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Midland, Texas 79703
Tel (432) 689-6301
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200 East Sunset Rd., Suite E
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BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Brandon & Clark
3403 Industrial Blvd.
Hobbs, NM 88240
Tel (575) 392-7561
Fax (575) 392-4508

email: lab@traceanalysis.com

Company Name: *Del Petroleum & Environmental*
Address: (Street, City, Zip)
1221 Tower Trail In El Paso TX 79907
Contact Person: *Rosalie Guilan*
E-mail: *rguilan@delcorp.com*
Phone #: *915-859-8150*
Fax #:

Invoice to:
(If different from above) *Po Box 14, Mesquite, NM, 88046*
Project #: *1700 Stan Drive Mesquite NM*
Project Name: *Big Sky*
Sampler Signature: *[Signature]*

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING DATE	SAMPLING TIME	Turn Around Time if different from standard
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄			
403385-1	833-083	1	250	X				X	X	X	8-27-15	10:07	
L-2	833-083	1	500	X				X	X	X	10:07		
84-1	833-09	1	250	X				X	X	X	11:31		
L-2	833-09	1	500	X				X	X	X	11:31		
87-1	833-10	1	500	X				X	X	X	7:53		
L-2	833-10	1	500	X				X	X	X	7:53		

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	MTBE	8021 / 602 / 8260 / 624
<input type="checkbox"/>	BTEX	8021 / 602 / 8260 / 624
<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 Ext(C35)	
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC	
<input type="checkbox"/>	PAH 8270 / 625	
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
<input type="checkbox"/>	TCLP Volatiles	
<input type="checkbox"/>	TCLP Semi Volatiles	
<input type="checkbox"/>	TCLP Pesticides	
<input type="checkbox"/>	RCI	
<input type="checkbox"/>	GC/MS Vol. 8260 / 624	
<input type="checkbox"/>	GC/MS Semi. Vol. 8270 / 625	
<input type="checkbox"/>	PCB's 8082 / 608	
<input type="checkbox"/>	Pesticides 8081 / 608	
<input type="checkbox"/>	BOD, TSS, pH	
<input type="checkbox"/>	Moisture Content	
<input type="checkbox"/>	Cl, F, SO ₄ , NO ₃ -N, NO ₂ -N, PO ₄ -P, Alkalinity	
<input type="checkbox"/>	Na, Ca, Mg, K, TDS, EC	
<input checked="" type="checkbox"/>	Nitrates EM 300	
<input checked="" type="checkbox"/>	TKN SM 450 NAR&C	
<input checked="" type="checkbox"/>	Onicide EPA 300	
<input checked="" type="checkbox"/>	TKN SM 0540 C M&D	

Relinquished by: *[Signature]* Company: *Dell* Date: *8-27-15* Time: *13:00*

Received by: *DZAH* Company: *DZAH* Date: *8-27-15* Time: *13:00*

INST: *12-2* OBS: *1* COR: *0*

Relinquished by: *DZAH* Company: *DZAH* Date: *8-27-15* Time: *16:30*

Received by: *[Signature]* Company: *TA* Date: *8/28/15* Time: *8:30*

INST: *12-2* OBS: *1* COR: *0*

LAB USE ONLY

Initials: *[Signature]* Headspace Y/N: *[Signature]*

Dry Weight Basis Required
TRRP Report Required
Check if Special Reporting Limits Are Needed

Carrier # *CARRY N/LS 49367084*

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Edward DeRuyter
 Sunset Dairy
 17900 Stern Drive
 P.O. Box 10
 Mesquite, NM, 88048

Report Date: September 11, 2015

Work Order: 15082824



Project Location: 17900 S. Stern Dr., Mesquite, NM
 Project Name: Sunset Dairy
 Project Number: Sunset Dairy

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403546	257-01	water	2015-08-28	10:07	2015-08-28
403547	257-02	water	2015-08-28	09:01	2015-08-28
403548	257-03	water	2015-08-28	11:19	2015-08-28
403549	257/260-01	water	2015-08-28	12:26	2015-08-28
403550	257 Lagoon	water	2015-08-28	10:35	2015-08-28
403551	Dairy Storm Water	water	2015-08-28	09:18	2015-08-28
403552	Waste Water	water	2015-08-28	09:44	2015-08-28

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 36 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Sunset Dairy were received by TraceAnalysis, Inc. on 2015-08-28 and assigned to work order 15082824. Samples for work order 15082824 were received intact at a temperature of 2 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105275	2015-08-28 at 18:31	124486	2015-08-28 at 18:31
NO3 (IC)	E 300.0	105275	2015-08-28 at 18:31	124486	2015-08-28 at 18:31
P, Total	S 6010C	105319	2015-09-01 at 12:40	124562	2015-09-02 at 09:16
SO4 (IC)	E 300.0	105275	2015-08-28 at 18:31	124486	2015-08-28 at 18:31
Sulfide	SM 4500-S2 D	105279	2015-08-31 at 13:40	124488	2015-08-31 at 14:10
TDS	SM 2540C	105332	2015-09-01 at 14:18	124554	2015-09-01 at 14:18
TKN	SM 4500-NH3 B,C	105550	2015-09-11 at 11:00	124807	2015-09-11 at 14:00
TKN	SM 4500-NH3 B,C	105551	2015-09-11 at 11:00	124809	2015-09-11 at 14:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15082824 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 403546 - 257-01

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,4,6	816	mg/L	50	2.50

Sample: 403546 - 257-01

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Nitrate-N		1,4,6	50.4	mg/L	10	0.500

Sample: 403546 - 257-01

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1,4,6	582	mg/L	50	2.50

Sample: 403546 - 257-01

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 124554 Date Analyzed: 2015-09-01 Analyzed By: MC
Prep Batch: 105332 Sample Preparation: 2015-09-01 Prepared By: MC

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Dissolved Solids		1,4,6	3490	mg/L	50	2.50

Sample: 403546 - 257-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124807 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105550 Sample Preparation: Prepared By: CF

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<10.0	mg/L	1	10.0

Sample: 403547 - 257-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
 Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,4,6	632	mg/L	50	2.50

Sample: 403547 - 257-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
 Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Nitrate-N		1,4,6	8.86	mg/L	5	0.500

Report Date: September 11, 2015
Sunset Dairy

Work Order: 15082824
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Sample: 403547 - 257-02

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1,4,6	451	mg/L	50	2.50

Sample: 403547 - 257-02

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 124554 Date Analyzed: 2015-09-01 Analyzed By: MC
Prep Batch: 105332 Sample Preparation: 2015-09-01 Prepared By: MC

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Dissolved Solids		1,4,6	2700	mg/L	50	2.50

Sample: 403547 - 257-02

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124807 Date Analyzed: 2015-09-11 Analyzed By: CF
Prep Batch: 105550 Sample Preparation: Prepared By: CF

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		2,3,7,8	<10.0	mg/L	1	10.0

Sample: 403548 - 257-03

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

continued . . .

sample 403548 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,4,6	477	mg/L	10	2.50

Sample: 403548 - 257-03

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
 Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Nitrate-N		1,4,6	5.37	mg/L	5	0.500

Sample: 403548 - 257-03

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
 Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1,4,6	390	mg/L	10	2.50

Sample: 403548 - 257-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124554 Date Analyzed: 2015-09-01 Analyzed By: MC
 Prep Batch: 105332 Sample Preparation: 2015-09-01 Prepared By: MC

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Dissolved Solids		1,4,6	2060	mg/L	50	2.50

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Sunset Dairy

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Sample: 403548 - 257-03

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124807 Date Analyzed: 2015-09-11 Analyzed By: CF
Prep Batch: 105550 Sample Preparation: Prepared By: CF

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		2,3,7,8	<10.0	mg/L	1	10.0

Sample: 403549 - 257/260-01

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,4,6	210	mg/L	5	2.50

Sample: 403549 - 257/260-01

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Nitrate-N		1,4,6	8.81	mg/L	5	0.500

Sample: 403549 - 257/260-01

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

continued ...

sample 403549 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1,4,6	236	mg/L	5	2.50

Sample: 403549 - 257/260-01

Laboratory: El Paso	Analytical Method: SM 2540C	Prep Method: N/A
Analysis: TDS	Date Analyzed: 2015-09-01	Analyzed By: MC
QC Batch: 124554	Sample Preparation: 2015-09-01	Prepared By: MC
Prep Batch: 105332		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Dissolved Solids		1,4,6	1140	mg/L	50	2.50

Sample: 403549 - 257/260-01

Laboratory: Lubbock	Analytical Method: SM 4500-NH3 B,C	Prep Method: N/A
Analysis: TKN	Date Analyzed: 2015-09-11	Analyzed By: CF
QC Batch: 124807	Sample Preparation:	Prepared By: CF
Prep Batch: 105550		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		2,3,7,8	<10.0	mg/L	1	10.0

Sample: 403550 - 257 Lagoon

Laboratory: El Paso	Analytical Method: E 300.0	Prep Method: N/A
Analysis: Chloride (IC)	Date Analyzed: 2015-08-28	Analyzed By: JR
QC Batch: 124486	Sample Preparation: 2015-08-28	Prepared By: JR
Prep Batch: 105275		

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,4,6	3900	mg/L	100	2.50

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Sunset Dairy

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Sample: 403550 - 257 Lagoon

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Nitrate-N	u	1,4,6	<2.50	mg/L	5	0.500

Sample: 403550 - 257 Lagoon

Laboratory: Lubbock
Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
QC Batch: 124562 Date Analyzed: 2015-09-02 Analyzed By: RR
Prep Batch: 105319 Sample Preparation: 2015-09-01 Prepared By: RR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Phosphorous		3,5,7,8	268	mg/L	10	0.500

Sample: 403550 - 257 Lagoon

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Comment: SO4 and Sulfide results used to determine Sulfur.

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1,4,6	654	mg/L	100	2.50

Sample: 403550 - 257 Lagoon

Laboratory: Lubbock
Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
QC Batch: 124488 Date Analyzed: 2015-08-31 Analyzed By: CF
Prep Batch: 105279 Sample Preparation: Prepared By: CF

Comment: SO4 and Sulfide results used to determine Sulfur.

Report Date: September 11, 2015
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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfide		2	3.07	mg/L	25	0.100

Sample: 403550 - 257 Lagoon

Laboratory: El Paso
Analysis: TDS
QC Batch: 124554
Prep Batch: 105332

Analytical Method: SM 2540C
Date Analyzed: 2015-09-01
Sample Preparation: 2015-09-01

Prep Method: N/A
Analyzed By: MC
Prepared By: MC

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Dissolved Solids		1,4,6	20600	mg/L	200	2.50

Sample: 403550 - 257 Lagoon

Laboratory: Lubbock
Analysis: TKN
QC Batch: 124809
Prep Batch: 105551

Analytical Method: SM 4500-NH3 B,C
Date Analyzed: 2015-09-11
Sample Preparation:

Prep Method: N/A
Analyzed By: CF
Prepared By: CF

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		2,3,7,8	200	mg/L	1	10.0

Sample: 403551 - Dairy Storm Water

Laboratory: El Paso
Analysis: Chloride (IC)
QC Batch: 124486
Prep Batch: 105275

Analytical Method: E 300.0
Date Analyzed: 2015-08-28
Sample Preparation: 2015-08-28

Prep Method: N/A
Analyzed By: JR
Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,4,6	2680	mg/L	100	2.50

Report Date: September 11, 2015
Sunset Dairy

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Sample: 403551 - Dairy Storm Water

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Nitrate-N		1,4,6	<2.50	mg/L	5	0.500

Sample: 403551 - Dairy Storm Water

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1,4,6	372	mg/L	10	2.50

Sample: 403551 - Dairy Storm Water

Laboratory: Lubbock
Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
QC Batch: 124488 Date Analyzed: 2015-08-31 Analyzed By: CF
Prep Batch: 105279 Sample Preparation: Prepared By: CF

Comment: SO4 and Sulfide results used to determine Sulfur.

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfide		2	35.4	mg/L	50	0.100

Sample: 403551 - Dairy Storm Water

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 124554 Date Analyzed: 2015-09-01 Analyzed By: MC
Prep Batch: 105332 Sample Preparation: 2015-09-01 Prepared By: MC

Comment: SO4 and Sulfide results used to determine Sulfur.

Report Date: September 11, 2015
Sunset Dairy

Work Order: 15082824
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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Dissolved Solids		1,4,6	12400	mg/L	200	2.50

Sample: 403551 - Dairy Storm Water

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
Prep Batch: 105551 Sample Preparation: Prepared By: CF

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		2,3,7,8	113	mg/L	1	10.0

Sample: 403552 - Waste Water

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride		1,4,6	1060	mg/L	50	2.50

Sample: 403552 - Waste Water

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Nitrate-N		1,4,6	<2.50	mg/L	5	0.500

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Sample: 403552 - Waste Water

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Comment: SO4 and Sulfide results used to determine Sulfur.

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfate		1,4,6	325	mg/L	10	2.50

Sample: 403552 - Waste Water

Laboratory: Lubbock
Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
QC Batch: 124488 Date Analyzed: 2015-08-31 Analyzed By: CF
Prep Batch: 105279 Sample Preparation: Prepared By: CF

Comment: SO4 and Sulfide results used to determine Sulfur.

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Sulfide		2	0.939	mg/L	1	0.100

Sample: 403552 - Waste Water

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 124554 Date Analyzed: 2015-09-01 Analyzed By: MC
Prep Batch: 105332 Sample Preparation: 2015-09-01 Prepared By: MC

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Dissolved Solids		1,4,6	8680	mg/L	200	2.50

Sample: 403552 - Waste Water

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
Prep Batch: 105551 Sample Preparation: Prepared By: CF

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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		2,3,7,8	226	mg/L	1	10.0

Method Blanks

Method Blank (1) QC Batch: 124486

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 QC Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	MDL Result	Units	RL
Chloride		1,4,6	<0.00930	mg/L	2.5

Method Blank (1) QC Batch: 124486

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 QC Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	MDL Result	Units	RL
Nitrate-N		1,4,6	<0.0387	mg/L	0.5

Method Blank (1) QC Batch: 124486

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 QC Preparation: 2015-08-28 Prepared By: JR

Parameter	Flag	Cert	MDL Result	Units	RL
Sulfate		1,4,6	<0.0389	mg/L	2.5

Method Blank (1) QC Batch: 124488

QC Batch: 124488 Date Analyzed: 2015-08-31 Analyzed By: CF
Prep Batch: 105279 QC Preparation: 2015-08-31 Prepared By: CF

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Parameter	Flag	Cert	MDL Result	Units	RL
Sulfide		2	<0.0102	mg/L	0.1

Method Blank (1) QC Batch: 124554

QC Batch: 124554 Date Analyzed: 2015-09-01 Analyzed By: MC
Prep Batch: 105332 QC Preparation: 2015-09-01 Prepared By: MC

Parameter	Flag	Cert	MDL Result	Units	RL
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1) QC Batch: 124562

QC Batch: 124562 Date Analyzed: 2015-09-02 Analyzed By: RR
Prep Batch: 105319 QC Preparation: 2015-09-01 Prepared By: PM

Parameter	Flag	Cert	MDL Result	Units	RL
Total Phosphorous		3,5,7,8	<0.00389	mg/L	0.5

Method Blank (1) QC Batch: 124807

QC Batch: 124807 Date Analyzed: 2015-09-11 Analyzed By: CF
Prep Batch: 105550 QC Preparation: 2015-09-11 Prepared By: CF

Parameter	Flag	Cert	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	10

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Method Blank (1) QC Batch: 124809

QC Batch: 124809
Prep Batch: 105551

Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11

Analyzed By: CF
Prepared By: CF

Parameter	Flag	Cert	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	10

Duplicates

Duplicates (1) Duplicated Sample: 403726

QC Batch: 124554
Prep Batch: 105332

Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01

Analyzed By: MC
Prepared By: MC

Param		Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	1,4,6	3550	3660	mg/L	50	3	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124486
Prep Batch: 105275

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	25.6	mg/L	1	25.0	<0.00930	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	25.7	mg/L	1	25.0	<0.00930	103	90 - 110	0 20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124486
Prep Batch: 105275

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	4.99	mg/L	1	5.00	<0.0387	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	5.01	mg/L	1	5.00	<0.0387	100	90 - 110	0 20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124486
Prep Batch: 105275

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28

Analyzed By: JR
Prepared By: JR

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Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1,4,6	25.5	mg/L	1	25.0	<0.0389	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate		1,4,6	25.5	mg/L	1	25.0	<0.0389	102	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124488
Prep Batch: 105279

Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfide		2	0.410	mg/L	1	0.400	<0.0102	102	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfide		2	0.414	mg/L	1	0.400	<0.0102	104	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124554
Prep Batch: 105332

Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	1000	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1000	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Laboratory Control Spike (LCS-1)

QC Batch: 124562
Prep Batch: 105319

Date Analyzed: 2015-09-02
QC Preparation: 2015-09-01

Analyzed By: RR
Prepared By: PM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		3,5,7,8	0.484	mg/L	1	0.500	<0.00389	97	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous		3,5,7,8	0.466	mg/L	1	0.500	<0.00389	93	85 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124807
Prep Batch: 105550

Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	46.2	mg/L	1	50.0	<1.18	92	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	49.0	mg/L	1	50.0	<1.18	98	82.8 - 115	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124809
Prep Batch: 105551

Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

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Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.18	90	82.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403548

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
 Prep Batch: 105275 QC Preparation: 2015-08-28 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	1900	mg/L	55.6	1390	477	102	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	1890	mg/L	55.6	1390	477	102	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403548

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
 Prep Batch: 105275 QC Preparation: 2015-08-28 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	286	mg/L	55.6	278	5.37	101	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	285	mg/L	55.6	278	5.37	100	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403548

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
 Prep Batch: 105275 QC Preparation: 2015-08-28 Prepared By: JR

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Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1,4,6	1810	mg/L	55.6	1390	390	102	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate		1,4,6	1810	mg/L	55.6	1390	390	102	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403552

QC Batch: 124488
Prep Batch: 105279

Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfide		2	7.99	mg/L	25	10.0	0.939	70	10 - 159

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfide		2	7.86	mg/L	25	10.0	0.939	69	10 - 159	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403621

QC Batch: 124562
Prep Batch: 105319

Date Analyzed: 2015-09-02
QC Preparation: 2015-09-01

Analyzed By: RR
Prepared By: PM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		3,5,7,8	0.553	mg/L	1	0.500	0.031	104	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous		3,5,7,8	0.582	mg/L	1	0.500	0.031	110	75 - 125	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403549

QC Batch: 124807 Date Analyzed: 2015-09-11 Analyzed By: CF
Prep Batch: 105550 QC Preparation: 2015-09-11 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	47.6	mg/L	1	50.0	3.5	88	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	46.9	mg/L	1	50.0	3.5	87	77.9 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403731

QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
Prep Batch: 105551 QC Preparation: 2015-09-11 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.1	100	90 - 110	2015-08-28

Standard (CCV-1)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.90	98	90 - 110	2015-08-28

Standard (CCV-1)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1,4,6	mg/L	25.0	24.9	100	90 - 110	2015-08-28

Standard (CCV-2)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.2	101	90 - 110	2015-08-28

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Standard (CCV-2)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.93	99	90 - 110	2015-08-28

Standard (CCV-2)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1,4,6	mg/L	25.0	25.0	100	90 - 110	2015-08-28

Standard (CCV-3)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.3	101	90 - 110	2015-08-28

Standard (CCV-3)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.93	99	90 - 110	2015-08-28

Standard (CCV-3)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

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Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1,4,6	mg/L	25.0	25.1	100	90 - 110	2015-08-28

Standard (CCV-4)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.4	102	90 - 110	2015-08-28

Standard (CCV-4)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.94	99	90 - 110	2015-08-28

Standard (CCV-4)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1,4,6	mg/L	25.0	25.0	100	90 - 110	2015-08-28

Standard (CCV-5)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

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Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.9	100	90 - 110	2015-08-28

Standard (CCV-5)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.94	99	90 - 110	2015-08-28

Standard (CCV-5)

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1,4,6	mg/L	25.0	25.1	100	90 - 110	2015-08-28

Standard (ICV-1)

QC Batch: 124488 Date Analyzed: 2015-08-31 Analyzed By: CF

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfide		2	mg/L	0.400	0.420	105	85 - 115	2015-08-31

Standard (CCV-1)

QC Batch: 124488 Date Analyzed: 2015-08-31 Analyzed By: CF

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Sunset Dairy

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Sunset Dairy

Page Number: 33 of 36
17900 S. Stern Dr., Mesquite, NM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfide		2	mg/L	0.400	0.402	100	85 - 115	2015-08-31

Standard (ICV-1)

QC Batch: 124562

Date Analyzed: 2015-09-02

Analyzed By: RR

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		3,5,7,8	mg/L	5.00	5.18	104	90 - 110	2015-09-02

Standard (CCV-1)

QC Batch: 124562

Date Analyzed: 2015-09-02

Analyzed By: RR

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		3,5,7,8	mg/L	5.00	4.89	98	90 - 110	2015-09-02

Standard (ICV-1)

QC Batch: 124807

Date Analyzed: 2015-09-11

Analyzed By: CF

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.76	95	85 - 115	2015-09-11

Standard (CCV-1)

QC Batch: 124807

Date Analyzed: 2015-09-11

Analyzed By: CF

Report Date: September 11, 2015
Sunset Dairy

Work Order: 15082824
Sunset Dairy

Page Number: 34 of 36
17900 S. Stern Dr., Mesquite, NM

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.76	95	85 - 115	2015-09-11

Standard (ICV-1)

QC Batch: 124809

Date Analyzed: 2015-09-11

Analyzed By: CF

Param	Flag	Cert	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.76	95	85 - 115	2015-09-11

Standard (CCV-1)

QC Batch: 124809

Date Analyzed: 2015-09-11

Analyzed By: CF

Param	Flag	Cert	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.62	92	85 - 115	2015-09-11

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.

F	Description
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

Company Name: 15082824
 Phone #: 915-859-8150
 Cell #:

D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907

Contact Person: vajala@dhpump.com
 Victor Ayala

Invoice to (if different from above):
 Sunset Dairy, PO Box 10, Mesquite, NM 88048

Project #:
 Project Name: Sunset Dairy
 Ed DeRuyter 575-233-2029

Project Location (including state):
 Sunset Dairy, 1790
 Sampler Signature: gury

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE
403546	257-01	1	250	X				X	X	X	X	8/28/15	10:07
↓	257-01	1	500	X				X	X	X	X		10:07
5474	257-02	1	250	X				X	X	X	X		9:01
↓	257-02	1	500	X				X	X	X	X		9:01
548-1	257-03	1	250	X				X	X	X	X		11:19
↓	257-03	1	500	X				X	X	X	X		11:19
549-1	257/260-01	1	250	X				X	X	X	X		10:26
↓	257/260-01	1	500	X				X	X	X	X		12:20
550-1	257 Lagoon	1	250	X				X	X	X	X		10:35
↓	257 Lagoon	1	500	X				X	X	X	X		10:35
-3	257 Lagoon	1	250	X				X	X	X	X		10:35
↓	257 Lagoon	1	250	X				X	X	X	X		10:35
551-1	Dairy Steam water	1	250					X	X	X	X		9:18
↓	Dairy Steam water	1	500					X	X	X	X		9:18
↓	Dairy Steam water	1	250					X	X	X	X		9:18

ANALYSIS REQUEST

TX 1005 Extended (C35)	
TPH 418.1 / TX1005	
BTEX 8021B/602	
MTBE 8021B/602	
PAH 8270C	
PAH 8270 (Low Level Analysis)	
Sulfate EPA Method 300.0	X
Nitrates EPA 300	X
TKN SM 4500 NORG C	X
Chloride EPA 300	X
Total Dissolved Solids SM 2540 C MOD	X
Other - Phosphorus (EPA 6010B)	
Total Sulfur	
Turn Around Time	
Hold	

Lab Use Only
 Intact N
 Headspace Y / N
 Temp 1/2 FLZ
 Review 1

Relinquished By: gury Date: 8-28-15 Time: 13:10
 Relinquished By: gury Date: 8-28-15 Time: 16:30
 Received By: [Signature] Date: 8-28-15 Time: 13:10
 Received at Laboratory By: Brendy TA Date: 8/29/15 Time: 10:00
Ward KUB901 MLL 8-28

Remarks: 25 193, 285 4.0/4.2
see Carey Frv
 Dry Weight Basis Required
 TRRP Report Required

TraceAnalysis, Inc.

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel: (806) 794-1296
Fax: (806) 794-1298
1 (800) 378-1296

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel: (915) 585-3443
Fax: (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Site 100
Carrollton, Texas 75006
Tel: (972) 242-7750

Brandon & Clark
3403 Industrial Blvd.
Hobbs, NM 88240
Tel: (575) 392-7561
Fax: (575) 392-4508

email: lab@traceanalysis.com

Company Name: Oil Petroleum & Environmental Phone #: 915-859-8150

Address: (Street, City, Zip) Fax #:

Contact Person: Rosalie Guiter E-mail: rosalie@alpar.com

Invoice to: 121 Tensi Trail In, El Paso, TX Project Name: 575-333-2024

(If different from above) Po Box 10, Mesquite, NM 88048 Ed DeRyke

Project #: Sunset Dairy Sampler Signature: [Signature]

Project Location (including state): Sunset Dairy

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
403524	WASTE WATER	1	250	X				X					8-26	9:44
↓	WASTE WATER	1	90	X				X					↓	9:44
↓	↓	1	250	X				X					↓	↓
	8-28-15													

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624	
BTEX 8021 / 602 / 8260 / 624	
TPH 418.1 / TX1005 / TX1005 Ext(C35)	
TPH 8015 GRO / DRO / TVHC	
PAH 8270 / 625	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
TCLP Pesticides	
RCI	
GC/MS Vol. 8260 / 624	
GC/MS Semi. Vol. 8270 / 625	
PCB's 8082 / 608	
Pesticides 8081 / 608	
BOB, TSS, pH, Sulfate EM 300	
Molten Content Phosphorus 6018	
Cl, F, SO ₄ , NO ₃ -N, NO ₂ -N, PO ₄ -P, Alkalinity	
Na, Ca, Mg, K, TDS, EC, Total Sulfur	
Nitrate EM 300.0	X
TKN SM 4500 NUR6 C	X
Chloride EM 300.0	X
TDS SM 2540 C MOD	X
Turn Around Time if different from standard	Hold

Relinquished by: [Signature] Company: DH Date: 8-20-15 Time: 14:10 INST 342

Received by: [Signature] Company: TH Date: 8-28-15 Time: 13:10 OBS 1

Relinquished by: [Signature] Company: 8-28-15 Date: 8-28-15 Time: 16:20 COR 2

Received by: [Signature] Company: TH Date: 8/28/15 Time: 10:00 INST 343

Received by: [Signature] Company: TH Date: 8/28/15 Time: 10:00 OBS 40

Received by: [Signature] Company: TH Date: 8/28/15 Time: 10:00 COR 4-2

LAB USE ONLY

Intact N

Headspace Y N MA

REMARKS:

Dry Weight Basis Required

TRRP Report Required

Check If Special Reporting Limits Are Needed



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Jerry Settles
 Del Oro Dairy, LLC.
 1025 East O'Hara
 P.O. Box 1846
 Anthony, NM, 88021

Report Date: September 11, 2015

Work Order: 15083142



DP: 474559
 Project Location: 1025 East OHara, Anthony, NM
 Project Name: Del Oro Dairy

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403726	692-02	water	2015-08-31	09:38	2015-08-31
403727	692-05	water	2015-08-31	11:46	2015-08-31
403728	692-06	water	2015-08-31	11:21	2015-08-31
403729	692-07	water	2015-08-31	10:41	2015-08-31
403730	692-08	water	2015-08-31	10:06	2015-08-31
403731	692-09	water	2015-08-31	12:17	2015-08-31
403732	Lagoon	water	2015-08-31	10:59	2015-08-31

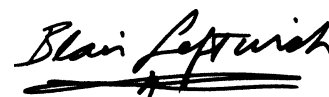
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 25 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

A handwritten signature in black ink that reads "Blair Leftwich". The signature is written in a cursive style and is underlined with two horizontal lines.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Del Oro Dairy were received by TraceAnalysis, Inc. on 2015-08-31 and assigned to work order 15083142. Samples for work order 15083142 were received intact at a temperature of 3 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105317	2015-08-31 at 19:11	124539	2015-08-31 at 19:11
NO3 (IC)	E 300.0	105317	2015-08-31 at 19:11	124539	2015-08-31 at 19:11
TDS	SM 2540C	105332	2015-09-01 at 14:18	124554	2015-09-01 at 14:18
TDS	SM 2540C	105368	2015-09-02 at 14:35	124601	2015-09-02 at 14:35
TKN	SM 4500-NH3 B,C	105551	2015-09-11 at 11:00	124809	2015-09-11 at 14:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15083142 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 403726 - 692-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	995	995	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403726 - 692-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	140	140	<1.94	mg/L	50	1.94	0.5	0.0387

Sample: 403726 - 692-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124554 Date Analyzed: 2015-09-01 Analyzed By: MC
 Prep Batch: 105332 Sample Preparation: 2015-09-01 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	3660	3660	<125	mg/L	50	125	2.5	2.5

Sample: 403726 - 692-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105551 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,7,8	4.90	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403727 - 692-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	496	496	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403727 - 692-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	5.03	5.03	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403727 - 692-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	1380	1380	<125	mg/L	50	125	2.5	2.5

Sample: 403727 - 692-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105551 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	11.9	11.9	<1.18	mg/L	1	1.18	10	1.18

Sample: 403728 - 692-06

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	444	444	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403728 - 692-06

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	2.56	2.56	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403728 - 692-06

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

continued . . .

sample 403728 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	1400	1400	<125	mg/L	50	125	2.5	2.5

Sample: 403728 - 692-06

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105551 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403729 - 692-07

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	578	578	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403729 - 692-07

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	2.67	2.67	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403729 - 692-07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	1570	1570	<125	mg/L	50	125	2.5	2.5

Sample: 403729 - 692-07

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105551 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403730 - 692-08

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	432	432	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403730 - 692-08

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	U	1,4,6	<0.194	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403730 - 692-08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	1380	1380	<125	mg/L	50	125	2.5	2.5

Sample: 403730 - 692-08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105551 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403731 - 692-09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

continued ...

sample 403731 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	434	434	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403731 - 692-09

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	3.04	3.04	<0.0387	mg/L	1	0.0387	0.5	0.0387

Sample: 403731 - 692-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	1290	1290	<125	mg/L	50	125	2.5	2.5

Sample: 403731 - 692-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105551 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		U 2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403732 - Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	1370	1370	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403732 - Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	u	1,4,6	<0.194	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403732 - Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	11000	11000	<500	mg/L	200	500	2.5	2.5

Method Blanks

Method Blank (1)

QC Batch: 124539
Prep Batch: 105317Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124539
Prep Batch: 105317Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124554
Prep Batch: 105332Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124601
Prep Batch: 105368Date Analyzed: 2015-09-02
QC Preparation: 2015-09-02Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124809
Prep Batch: 105551

Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403726QC Batch: 124554
Prep Batch: 105332Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3550	3660	mg/L	50	3	10

Duplicate (1) Duplicated Sample: 403760QC Batch: 124601
Prep Batch: 105368Date Analyzed: 2015-09-02
QC Preparation: 2015-09-02Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2790	2720	mg/L	50	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
Prep Batch: 105317 QC Preparation: 2015-08-31 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	24.7	mg/L	1	25.0	<0.00930	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Chloride		1,4,6	25.4	mg/L	1	25.0	<0.00930	102	90 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
Prep Batch: 105317 QC Preparation: 2015-08-31 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	4.83	mg/L	1	5.00	<0.0387	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Nitrate-N		1,4,6	4.97	mg/L	1	5.00	<0.0387	99	90 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124554 Date Analyzed: 2015-09-01 Analyzed By: MC
Prep Batch: 105332 QC Preparation: 2015-09-01 Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	1000	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1000	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 QC Preparation: 2015-09-02 Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	998	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	999	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105551 QC Preparation: 2015-09-11 Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.18	90	82.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403731

QC Batch: 124809
Prep Batch: 105551

Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.7	99	90 - 110	2015-08-31

Standard (CCV-1)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.92	98	90 - 110	2015-08-31

Standard (CCV-2)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.2	101	90 - 110	2015-08-31

Standard (CCV-2)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.94	99	90 - 110	2015-08-31

Standard (CCV-3)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.2	101	90 - 110	2015-08-31

Standard (CCV-3)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.93	99	90 - 110	2015-08-31

Standard (CCV-4)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.2	101	90 - 110	2015-08-31

Standard (CCV-4)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.94	99	90 - 110	2015-08-31

Standard (ICV-1)

QC Batch: 124809

Date Analyzed: 2015-09-11

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.76	95	85 - 115	2015-09-11

Standard (CCV-1)

QC Batch: 124809

Date Analyzed: 2015-09-11

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.62	92	85 - 115	2015-09-11

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

Project Name: **Del Oro Dairy**
Project Location (including state): **Del Oro Dairy, 1025 East O'Hara, Anthony, NM**
Sampler Signature: *Judy*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
403726-1	692-02	1	250	X				X	X	X	X	X	8-31-15	9:38
1	692-02	1	500	X				X	X	X	X	X		9:38
27-1	692-05	1	250	X				X	X	X	X	X		11:46
28-1	692-05	1	500	X				X	X	X	X	X		11:46
28-1	692-06	1	250	X				X	X	X	X	X		11:31
2	692-06	1	500	X				X	X	X	X	X		11:31
29-1	692-07	1	250	X				X	X	X	X	X		10:41
2	692-07	1	500	X				X	X	X	X	X		10:41
30-1	692-08	1	250	X				X	X	X	X	X		10:06
2	692-08	1	500	X				X	X	X	X	X		10:06
31-1	692-09	1	250	X				X	X	X	X	X		12:17
2	692-09	1	500	X				X	X	X	X	X		12:17
32-1	10920	1	250	X				X	X	X	X	X		10:59
2	10920	1	500	X				X	X	X	X	X		10:59

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1 / TX1005	TX 1005 Extended (C35)	PAH 8270C	PAH 8270 (Low Level Analysis)	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	Nitrates EPA 300	TKN SM 4500 NORG C	Chloride EPA 300	Total Dissolved Solids SM 2540 C MOD
							X	X	X	X
							X	X	X	X
							X	X	X	X
							X	X	X	X
							X	X	X	X
							X	X	X	X
							X	X	X	X
							X	X	X	X
							X	X	X	X
							X	X	X	X

Turn Around Time

Relinquished By:	Date:	Time:	Received By:	Date:	Time:	Relinquished By:	Date:	Time:
<i>Judy</i>	8-31-15	13:57	<i>Samuel</i>	8-31-15	13:57			
<i>Samuel</i>	8-31-15	16:00	<i>Samuel</i>	8-31-15	09:15			

Lab Use Only

Intact Y N

Headspace Y N

Temp **23.0 C**

Log-in Review **8-31-15**

Remarks: *see*
Carry over BB 5.1 5.3
Dry Weight Basis Required
TRRP Report Required **4549367088**



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
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 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

George Segura
 Big Sky Dairy
 17800 Stern Drive
 P.O. Box 10
 Mesquite, NM, 88048

Report Date: September 11, 2015

Work Order: 15082827



DP: 474555
 Project Location: 17800 Stern Drive, Mesquite, NM 88048
 Project Name: Big Sky Dairy

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403571	833 Lagoon	water	2015-08-28	08:25	2015-08-28

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Big Sky Dairy were received by TraceAnalysis, Inc. on 2015-08-28 and assigned to work order 15082827. Samples for work order 15082827 were received intact at a temperature of 2 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105275	2015-08-28 at 18:31	124486	2015-08-28 at 18:31
NO3 (IC)	E 300.0	105275	2015-08-28 at 18:31	124486	2015-08-28 at 18:31
P, Total	S 6010C	105319	2015-09-01 at 12:40	124562	2015-09-02 at 09:16
TDS	SM 2540C	105332	2015-09-01 at 14:18	124554	2015-09-01 at 14:18
TKN	SM 4500-NH3 B,C	105551	2015-09-11 at 11:00	124809	2015-09-11 at 14:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15082827 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 403571 - 833 Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
 Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	739	739	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403571 - 833 Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
 Prep Batch: 105275 Sample Preparation: 2015-08-28 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	J	1,4,6	2.27	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403571 - 833 Lagoon

Laboratory: Lubbock
 Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 124562 Date Analyzed: 2015-09-02 Analyzed By: RR
 Prep Batch: 105319 Sample Preparation: 2015-09-01 Prepared By: RR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Phosphorous		3,5,7,8	70.7	70.7	<0.0389	mg/L	10	0.0389	0.5	0.00389

Sample: 403571 - 833 Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124554 Date Analyzed: 2015-09-01 Analyzed By: MC
 Prep Batch: 105332 Sample Preparation: 2015-09-01 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
Total Dissolved Solids		1,4,6	5140	5140	<500	mg/L	200	500	2.5	2.5

Sample: 403571 - 833 Lagoon

Laboratory: Lubbock

Analysis: TKN

QC Batch: 124809

Prep Batch: 105551

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-09-11

Sample Preparation:

Prep Method: N/A

Analyzed By: CF

Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
Total Kjeldahl Nitrogen - N		2,3,7,8	258	258	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124486
Prep Batch: 105275Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124486
Prep Batch: 105275Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124554
Prep Batch: 105332Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124562
Prep Batch: 105319Date Analyzed: 2015-09-02
QC Preparation: 2015-09-01Analyzed By: RR
Prepared By: PM

Parameter	F	C	Result	Units	Reporting Limits
Total Phosphorous		3,5,7,8	<0.00389	mg/L	0.00389

Method Blank (1)QC Batch: 124809
Prep Batch: 105551Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403726

QC Batch: 124554
Prep Batch: 105332

Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3550	3660	mg/L	50	3	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124486
Prep Batch: 105275

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	25.6	mg/L	1	25.0	<0.00930	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	25.7	mg/L	1	25.0	<0.00930	103	90 - 110	0 20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124486
Prep Batch: 105275

Date Analyzed: 2015-08-28
QC Preparation: 2015-08-28

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	4.99	mg/L	1	5.00	<0.0387	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	5.01	mg/L	1	5.00	<0.0387	100	90 - 110	0 20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124554
Prep Batch: 105332

Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	1000	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Dissolved Solids		1,4,6	1000	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124562
Prep Batch: 105319

Date Analyzed: 2015-09-02
QC Preparation: 2015-09-01

Analyzed By: RR
Prepared By: PM

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Phosphorous		3,5,7,8	0.484	mg/L	1	0.500	<0.00389	97	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Phosphorous		3,5,7,8	0.466	mg/L	1	0.500	<0.00389	93	85 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124809
Prep Batch: 105551

Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.18	90	82.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403548

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 QC Preparation: 2015-08-28 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	1900	mg/L	55.6	1390	477	102	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	1890	mg/L	55.6	1390	477	102	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403548

QC Batch: 124486 Date Analyzed: 2015-08-28 Analyzed By: JR
Prep Batch: 105275 QC Preparation: 2015-08-28 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	286	mg/L	55.6	278	5.37	101	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	285	mg/L	55.6	278	5.37	100	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403621

QC Batch: 124562 Date Analyzed: 2015-09-02 Analyzed By: RR
Prep Batch: 105319 QC Preparation: 2015-09-01 Prepared By: PM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		3,5,7,8	0.553	mg/L	1	0.500	0.031	104	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous		3,5,7,8	0.582	mg/L	1	0.500	0.031	110	75 - 125	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403731

QC Batch: 124809
Prep Batch: 105551

Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-2)

QC Batch: 124486

Date Analyzed: 2015-08-28

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.2	101	90 - 110	2015-08-28

Standard (CCV-2)

QC Batch: 124486

Date Analyzed: 2015-08-28

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.93	99	90 - 110	2015-08-28

Standard (CCV-3)

QC Batch: 124486

Date Analyzed: 2015-08-28

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.3	101	90 - 110	2015-08-28

Standard (CCV-3)

QC Batch: 124486

Date Analyzed: 2015-08-28

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.93	99	90 - 110	2015-08-28

Standard (CCV-4)

QC Batch: 124486

Date Analyzed: 2015-08-28

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.4	102	90 - 110	2015-08-28

Standard (CCV-4)

QC Batch: 124486

Date Analyzed: 2015-08-28

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.94	99	90 - 110	2015-08-28

Standard (CCV-5)

QC Batch: 124486

Date Analyzed: 2015-08-28

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.9	100	90 - 110	2015-08-28

Standard (CCV-5)

QC Batch: 124486

Date Analyzed: 2015-08-28

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.94	99	90 - 110	2015-08-28

Standard (ICV-1)

QC Batch: 124562

Date Analyzed: 2015-09-02

Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		3,5,7,8	mg/L	5.00	5.18	104	90 - 110	2015-09-02

Standard (CCV-1)

QC Batch: 124562

Date Analyzed: 2015-09-02

Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		3,5,7,8	mg/L	5.00	4.89	98	90 - 110	2015-09-02

Standard (ICV-1)

QC Batch: 124809

Date Analyzed: 2015-09-11

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.76	95	85 - 115	2015-09-11

Standard (CCV-1)

QC Batch: 124809

Date Analyzed: 2015-09-11

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.62	92	85 - 115	2015-09-11

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
P, Total	S 6010C	water	PE 8300	Total Phosphorous	0.100	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

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15082827 TraceAnalysis, Inc.

155 McCutcheon, Ste. H El
Paso, TX 79932
Tel (915) 585-3443
Fax (915) 585-4944

Company Name: 15082827 TraceAnalysis, Inc. Phone #: 915-859-8150
 D&H Petroleum & Environmental Services Cell #:
 Address: (Street, City, Zip) 1221 Tower Trail Ln., El Paso, Texas 79907 Fax #: vayala@dhpump.com
 Contact Person: Victor Ayala E-mail: vayala@dhpump.com
 Invoice to (if different from above): George Segura 575-233-3620
 Big Sky Dairy, P.O. Box 10, Mesquite, NM 88048 Project Name: Big Sky Dairy
 Project #: 474553 Sampler Signature: [Signature]
 Project Location (including state): Big Sky Dairy, 17800 Stern Drive, Mesquite, NM

LAB Order ID # 15082827

LAB USE ONLY	Field Code	# Containers	Volume/Amount	MATRIX	PRESERVATIVE METHOD	DATE	SAMPLING TIME	MTRE 8021B/602	BTEX 8021B/602	TPH 418.1 / TX1005	TX 1005 Extended (C35)	PAH 8270C	PAH 8270 (Low Level Analysis)	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	Nitrates EPA 300	Total Kjeldahl Nitrogen SM 4500 NORG C	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Phosphorus SM 4500	Turn Around Time	Hold	
	833 Lagoon	1	1	WATER	HNO₃	8/28/15	8:25															
	833 Lagoon	1	1	WATER	H₂SO₄	8/28/15	8:25															
		1		WATER	HCl	8/28/15	8:25															
		1		WATER	HNO ₃	8/28/15	8:25															
		1		WATER	H ₂ SO ₄	8/28/15	8:25															
		1		WATER	NONE	8/28/15	8:25															
		1		WATER	ICE	8/28/15	8:25															
		1		WATER	X	8/28/15	8:25															
		1		WATER	X	8/28/15	8:25															
		1		WATER	X	8/28/15	8:25															

ANALYSIS REQUEST

LAB USE ONLY	Field Code	# Containers	Volume/Amount	MATRIX	PRESERVATIVE METHOD	DATE	SAMPLING TIME	MTRE 8021B/602	BTEX 8021B/602	TPH 418.1 / TX1005	TX 1005 Extended (C35)	PAH 8270C	PAH 8270 (Low Level Analysis)	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	Nitrates EPA 300	Total Kjeldahl Nitrogen SM 4500 NORG C	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Phosphorus SM 4500	Turn Around Time	Hold	

Relinquished By: [Signature] Date: 8/28/15 Time: 13:11
 Received by: [Signature] Date: 8-28-15 Time: 13:11
 Relinquished By: [Signature] Date: 8-28-15 Time: 16:30
 Received at Laboratory By: [Signature] Date: 8/28/15 Time: 10:00

Lab Use Only
 Intact (Y/N)
 Headspace Y/N
 Temp 11.2 C
 Log-in [Signature]

Remarks: See 15082827 4/0/4.2
DRY WEIGHT BASIS REQUIRED
TRRP REPORT REQUIRED



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Linda Armstrong
 Dona Ana Dairies

Report Date: September 14, 2015

P.O. Box 10
 Mesquite, NM, 88048

Work Order: 15090117



Project Location: Various Dairies, Dona Ana County, NM
 Project Name: Dona Ana Dairies Consortium

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403759	DAD-01	water	2015-09-01	08:19	2015-09-01
403760	DAD-03	water	2015-09-01	11:01	2015-09-01
403761	DAD-04	water	2015-09-01	11:27	2015-09-01
403762	DAD-05	water	2015-09-01	12:05	2015-09-01
403763	DAD-07	water	2015-09-01	13:04	2015-09-01
403764	DAD-08	water	2015-09-01	12:27	2015-09-01
403765	DAD-011	water	2015-09-01	09:59	2015-09-01
403766	DAD-12	water	2015-09-01	08:49	2015-09-01
403767	DAD-013	water	2015-09-01	10:31	2015-09-01
403768	DAD-14	water	2015-09-01	09:30	2015-09-01

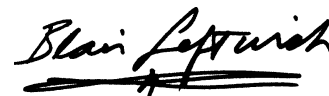
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 32 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

A handwritten signature in black ink that reads "Blair Leftwich". The signature is written in a cursive style and is underlined with a thick, dark line.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Dona Ana Dairies Consortium were received by TraceAnalysis, Inc. on 2015-09-01 and assigned to work order 15090117. Samples for work order 15090117 were received intact at a temperature of 3 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105351	2015-09-01 at 19:32	124581	2015-09-01 at 19:32
NO3 (IC)	E 300.0	105351	2015-09-01 at 19:32	124581	2015-09-01 at 19:32
TDS	SM 2540C	105368	2015-09-02 at 14:35	124601	2015-09-02 at 14:35
TDS	SM 2540C	105443	2015-09-04 at 14:00	124688	2015-09-04 at 14:00
TKN	SM 4500-NH3 B,C	105579	2015-09-14 at 09:40	124836	2015-09-14 at 12:45
TKN	SM 4500-NH3 B,C	105581	2015-09-14 at 09:40	124837	2015-09-14 at 12:45

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15090117 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 403759 - DAD-01

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	420	420	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403759 - DAD-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	8.52	8.52	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403759 - DAD-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	1600	1600	<125	mg/L	50	125	2.5	2.5

Sample: 403759 - DAD-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124836 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105579 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,6,7	2.10	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403760 - DAD-03

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	702	702	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403760 - DAD-03

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	U	1,4,5	<0.194	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403760 - DAD-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2720	2720	<125	mg/L	50	125	2.5	2.5

Sample: 403760 - DAD-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124836 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105579 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,6,7	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403761 - DAD-04

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	561	561	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403761 - DAD-04

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	U	1,4,5	<0.194	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403761 - DAD-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124688 Date Analyzed: 2015-09-04 Analyzed By: MC
 Prep Batch: 105443 Sample Preparation: 2015-09-04 Prepared By: MC

continued . . .

sample 403761 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	2320	2320	<125	mg/L	50	125	2.5	2.5

Sample: 403761 - DAD-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124836 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105579 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,6,7	2.10	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403762 - DAD-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	388	388	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403762 - DAD-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	J	1,4,5	2.15	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403762 - DAD-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124688 Date Analyzed: 2015-09-04 Analyzed By: MC
 Prep Batch: 105443 Sample Preparation: 2015-09-04 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	2100	2100	<125	mg/L	50	125	2.5	2.5

Sample: 403762 - DAD-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124836 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105579 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,6,7	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403763 - DAD-07

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	649	649	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403763 - DAD-07

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	7.45	7.45	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403763 - DAD-07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124688 Date Analyzed: 2015-09-04 Analyzed By: MC
 Prep Batch: 105443 Sample Preparation: 2015-09-04 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2060	2060	<125	mg/L	50	125	2.5	2.5

Sample: 403763 - DAD-07

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124836 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105579 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403764 - DAD-08

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

continued ...

sample 403764 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	2050	2050	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403764 - DAD-08

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	65.3	65.3	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403764 - DAD-08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124688 Date Analyzed: 2015-09-04 Analyzed By: MC
 Prep Batch: 105443 Sample Preparation: 2015-09-04 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	6160	6160	<125	mg/L	50	125	2.5	2.5

Sample: 403764 - DAD-08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124836 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105579 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403765 - DAD-011

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	981	981	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403765 - DAD-011

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	12.4	12.4	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403765 - DAD-011

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124688 Date Analyzed: 2015-09-04 Analyzed By: MC
 Prep Batch: 105443 Sample Preparation: 2015-09-04 Prepared By: MC

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	3120	3120	<125	mg/L	50	125	2.5	2.5

Sample: 403765 - DAD-011

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124836 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105579 Sample Preparation: Prepared By: CF

continued ...

sample 403765 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403766 - DAD-12

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	759	759	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403766 - DAD-12

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	19.8	19.8	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403766 - DAD-12

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124688 Date Analyzed: 2015-09-04 Analyzed By: MC
 Prep Batch: 105443 Sample Preparation: 2015-09-04 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2950	2950	<125	mg/L	50	125	2.5	2.5

Sample: 403766 - DAD-12

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124837 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105581 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403767 - DAD-013

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	611	611	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403767 - DAD-013

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	9.82	9.82	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403767 - DAD-013

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124688 Date Analyzed: 2015-09-04 Analyzed By: MC
 Prep Batch: 105443 Sample Preparation: 2015-09-04 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
Total Dissolved Solids		1,4,5	2300	2300	<125	mg/L	50	125	2.5	2.5

Sample: 403767 - DAD-013

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124837 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105581 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403768 - DAD-14

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
Chloride		1,4,5	1110	1110	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403768 - DAD-14

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124581 Date Analyzed: 2015-09-01 Analyzed By: JR
 Prep Batch: 105351 Sample Preparation: 2015-09-01 Prepared By: JR

continued ...

sample 403768 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	32.1	32.1	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403768 - DAD-14

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124688 Date Analyzed: 2015-09-04 Analyzed By: MC
 Prep Batch: 105443 Sample Preparation: 2015-09-04 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	3260	3260	<125	mg/L	50	125	2.5	2.5

Sample: 403768 - DAD-14

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124837 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105581 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124581
Prep Batch: 105351Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124581
Prep Batch: 105351Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,5	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124601
Prep Batch: 105368Date Analyzed: 2015-09-02
QC Preparation: 2015-09-02Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124688
Prep Batch: 105443Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124836
 Prep Batch: 105579

Date Analyzed: 2015-09-14
 QC Preparation: 2015-09-14

Analyzed By: CF
 Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Method Blank (1)

QC Batch: 124837
 Prep Batch: 105581

Date Analyzed: 2015-09-14
 QC Preparation: 2015-09-14

Analyzed By: CF
 Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403760QC Batch: 124601
Prep Batch: 105368Date Analyzed: 2015-09-02
QC Preparation: 2015-09-02Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	2790	2720	mg/L	50	2	10

Duplicate (1) Duplicated Sample: 403833QC Batch: 124688
Prep Batch: 105443Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	1420	1460	mg/L	50	3	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124581
 Prep Batch: 105351

Date Analyzed: 2015-09-01
 QC Preparation: 2015-09-01

Analyzed By: JR
 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	24.3	mg/L	1	25.0	<0.00930	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	24.4	mg/L	1	25.0	<0.00930	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124581
 Prep Batch: 105351

Date Analyzed: 2015-09-01
 QC Preparation: 2015-09-01

Analyzed By: JR
 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.77	mg/L	1	5.00	<0.0387	95	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	4.80	mg/L	1	5.00	<0.0387	96	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124601
 Prep Batch: 105368

Date Analyzed: 2015-09-02
 QC Preparation: 2015-09-02

Analyzed By: MC
 Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	998	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,5	999	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124688
Prep Batch: 105443

Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	998	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,5	1000	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124836
Prep Batch: 105579

Date Analyzed: 2015-09-14
QC Preparation: 2015-09-14

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	47.6	mg/L	1	50.0	<1.18	95	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	45.5	mg/L	1	50.0	<1.18	91	82.8 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124837
Prep Batch: 105581

Date Analyzed: 2015-09-14
QC Preparation: 2015-09-14

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	46.2	mg/L	1	50.0	<1.18	92	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	46.9	mg/L	1	50.0	<1.18	94	82.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403763QC Batch: 124581
Prep Batch: 105351Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	2000	mg/L	55.6	1390	649	97	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	2060	mg/L	55.6	1390	649	102	80 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403763QC Batch: 124581
Prep Batch: 105351Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	277	mg/L	55.6	278	7.45	97	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	286	mg/L	55.6	278	7.45	100	80 - 120	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403765QC Batch: 124836
Prep Batch: 105579Date Analyzed: 2015-09-14
QC Preparation: 2015-09-14Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	46.9	mg/L	1	50.0	<1.18	94	77.9 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403833

QC Batch: 124837
 Prep Batch: 105581

Date Analyzed: 2015-09-14
 QC Preparation: 2015-09-14

Analyzed By: CF
 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	46.2	mg/L	1	50.0	<1.18	92	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	47.6	mg/L	1	50.0	<1.18	95	77.9 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124581

Date Analyzed: 2015-09-01

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.9	100	90 - 110	2015-09-01

Standard (CCV-1)

QC Batch: 124581

Date Analyzed: 2015-09-01

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.89	98	90 - 110	2015-09-01

Standard (CCV-2)

QC Batch: 124581

Date Analyzed: 2015-09-01

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.1	100	90 - 110	2015-09-01

Standard (CCV-2)

QC Batch: 124581

Date Analyzed: 2015-09-01

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.92	98	90 - 110	2015-09-01

Standard (CCV-3)

QC Batch: 124581

Date Analyzed: 2015-09-01

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.2	101	90 - 110	2015-09-01

Standard (CCV-3)

QC Batch: 124581

Date Analyzed: 2015-09-01

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.94	99	90 - 110	2015-09-01

Standard (CCV-4)

QC Batch: 124581

Date Analyzed: 2015-09-01

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.2	101	90 - 110	2015-09-01

Standard (CCV-4)

QC Batch: 124581

Date Analyzed: 2015-09-01

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.94	99	90 - 110	2015-09-01

Standard (CCV-5)

QC Batch: 124581

Date Analyzed: 2015-09-01

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.2	101	90 - 110	2015-09-01

Standard (CCV-5)

QC Batch: 124581

Date Analyzed: 2015-09-01

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.94	99	90 - 110	2015-09-01

Standard (ICV-1)

QC Batch: 124836

Date Analyzed: 2015-09-14

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.48	90	85 - 115	2015-09-14

Standard (CCV-1)

QC Batch: 124836

Date Analyzed: 2015-09-14

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-09-14

Standard (ICV-1)

QC Batch: 124837

Date Analyzed: 2015-09-14

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.48	90	85 - 115	2015-09-14

Standard (CCV-1)

QC Batch: 124837

Date Analyzed: 2015-09-14

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.90	98	85 - 115	2015-09-14

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-15-11	Lubbock
7		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

6701 Aberdeen, Ste. 9
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

TraceAnalysis, Inc.

155 McCutcheon, Ste. H El
 Paso, TX 79932
 Tel (915) 585-3443
 Fax (915) 585-4944

Company Name: D&H Petroleum & Environmental Services
 Address: (Street, City, Zip) 1221 Tower Trail Ln, El Paso TX 79907
 Contact Person: Victor Ayala
 Invoice to (if different from above): Dona Ana Dairies, PO Box 10, Mesquite, NM 88048
 Project #: _____

Phone #: 915-859-8150
 Cell #: _____
 Fax #: _____
 E-mail: valajala@dhpump.com

Project Name: Linda Armstrong 575-233-3620
 Project Location (including state): Various Dairies, Dona Ana County, NM
 Sampler Signature: *[Signature]*

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD					DATE	TIME
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE		
4037621	Dad-13	1	250	X				X			X	9-1-15	16:31	
	Dad-13	1	500	X							X		10:31	
	Dad-14	1	200	X				X			X	9:30	9:30	
	Dad-14	1	900	X				X			X			
		1		X				X			X			
		1		X				X			X			
		1		X				X			X			
		1		X				X			X			
		1		X				X			X			
		1		X				X			X			
		1		X				X			X			
		1		X				X			X			
		1		X				X			X			
		1		X				X			X			
		1		X				X			X			

Relinquished By: *[Signature]* Date: 9-1-15 Time: 13:23
 Received By: *[Signature]* Date: 9-1-15 Time: 13:23
 Relinquished By: *[Signature]* Date: 9-1-15 Time: 16:30
 Received at Laboratory By: *[Signature]* Date: 9-1-15 Time: 13:23

LAB Order ID #	ANALYSIS REQUEST
15090112	MTBE 8021B/602
	BTEX 8021B/602
	TPH 418.1 / TX1005
	TX 1005 Extended (C35)
	PAH 8270C
	PAH 8270 (Low Level Analysis)
	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7
	Nitrates EPA 300
	TKN SM 4500 NORG C
	Chloride EPA 300
	Total Dissolved Solids SM 2540 C MOD
	Turn Around Time
	Hold

Lab Use Only
 Intac *[Signature]*
 Headspace Y/N
 Temp 2/3 62
 Log-in Re *[Signature]* 9-1-15
 Remarks: *File ice*
 Dry Weight Basis Required
 TRRP Report Required

6701 Aberdeen, Ste. 9
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

155 McCutcheon, Ste. H
 Paso, TX 79932
 Tel (915) 585-3443
 Fax (915) 585-4944

Trace Analysis, Inc.

Company Name: D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907
 Contact Person: Victor Ayala
 Invoice to (if different from above):
 Dona Ana Dairies, PO Box 10, Mesquite, NM 88048
 Project #: _____

Phone #: 915-859-8150
 Cell #: _____
 Fax #: _____
 E-mail: vajala@dhpump.com

Project Location (including state):
 Various Dairies, Dona Ana County, NM
 Project Name: Dona Ana Dairies Consortium
 Sampler Signature: *amy*

Project Name: Linda Armstrong 575-233-3620
 Project #: _____

LAB USE (LAB ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD						DATE	TIME
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE		
403758	Dad-01	1	250	X										9-1-15	8:19
	Dad-01	1	500	X											8:19
	Dad-03	1	250	X				X							11:01
	Dad-03	1	500	X					X						11:01
	Dad-04	1	250	X				X							11:27
	Dad-04	1	500	X					X						11:27
	Dad-05	1	250	X				X							12:05
	Dad-05	1	500	X					X						12:05
	Dad-07	1	250	X				X							13:04
	Dad-07	1	500	X					X						13:04
	Dad-08	1	250	X				X							12:27
	Dad-08	1	500	X					X						12:27
	Dad-11	1	250						X						9:59
	Dad-11	1	500						X						9:59
	Dad-12	1	250						X						8:49
	Dad-12	1	500						X						8:49

LAB USE ONLY		ANALYSIS REQUEST																																																																																																																																																																																			
		MTBE 8021B/602														BTEX 8021B/602														TPH 418.1/ TX1005														TX 1005 Extended (C35)														PAH 8270C														PAH 8270 (Low Level Analysis)														Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7														Nitrates EPA 300														TKN SM 4500 NORG C														Chloride EPA 300														Total Dissolved Solids SM 2540 C MOD														Turn Around Time														Hold											
		BTEX 8021B/602														TPH 418.1/ TX1005														TX 1005 Extended (C35)														PAH 8270C														PAH 8270 (Low Level Analysis)														Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7														Nitrates EPA 300														TKN SM 4500 NORG C														Chloride EPA 300														Total Dissolved Solids SM 2540 C MOD														Turn Around Time														Hold																									
		TPH 418.1/ TX1005														TX 1005 Extended (C35)														PAH 8270C														PAH 8270 (Low Level Analysis)														Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7														Nitrates EPA 300														TKN SM 4500 NORG C														Chloride EPA 300														Total Dissolved Solids SM 2540 C MOD														Turn Around Time														Hold																																							
		TX 1005 Extended (C35)														PAH 8270C														PAH 8270 (Low Level Analysis)														Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7														Nitrates EPA 300														TKN SM 4500 NORG C														Chloride EPA 300														Total Dissolved Solids SM 2540 C MOD														Turn Around Time														Hold																																																					
		PAH 8270C														PAH 8270 (Low Level Analysis)														Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7														Nitrates EPA 300														TKN SM 4500 NORG C														Chloride EPA 300														Total Dissolved Solids SM 2540 C MOD														Turn Around Time														Hold																																																																			
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Relinquished By: *amy* Date: 9-1-15 Time: 13:23
 Received By: *Victor Ayala* Date: 9-1-15 Time: 13:23
 Received at Laboratory By: *Victor Ayala* Date: 9/1/15 Time: 9:30
 Headspace N
 Temp *2/3*
 Log-In Review

Remarks: *222 via 285 1/9 367087*
 Dry Weight Basis Required
 TRRP Report Required



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E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Linda Armstrong
Dona Ana Dairies

Report Date: September 14, 2015

P.O. Box 10
Mesquite, NM, 88048

Work Order: 15083145



Project Name: Dona Ana Dairies

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403737	DAD-02	water	2015-08-31	13:25	2015-08-31

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Dona Ana Dairies were received by TraceAnalysis, Inc. on 2015-08-31 and assigned to work order 15083145. Samples for work order 15083145 were received intact at a temperature of 3 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105317	2015-08-31 at 19:11	124539	2015-08-31 at 19:11
NO3 (IC)	E 300.0	105317	2015-08-31 at 19:11	124539	2015-08-31 at 19:11
TDS	SM 2540C	105368	2015-09-02 at 14:35	124601	2015-09-02 at 14:35
TKN	SM 4500-NH3 B,C	105579	2015-09-14 at 09:40	124836	2015-09-14 at 12:45

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15083145 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 403737 - DAD-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	511	511	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403737 - DAD-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	10.3	10.3	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403737 - DAD-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	1760	1760	<125	mg/L	50	125	2.5	2.5

Sample: 403737 - DAD-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124836 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105579 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Total Kjeldahl Nitrogen - N	J	2,3,6,7	3.50	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124539
Prep Batch: 105317Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124539
Prep Batch: 105317Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,5	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124601
Prep Batch: 105368Date Analyzed: 2015-09-02
QC Preparation: 2015-09-02Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124836
Prep Batch: 105579Date Analyzed: 2015-09-14
QC Preparation: 2015-09-14Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403760

QC Batch: 124601
 Prep Batch: 105368

Date Analyzed: 2015-09-02
 QC Preparation: 2015-09-02

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	2790	2720	mg/L	50	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124539
Prep Batch: 105317

Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	24.7	mg/L	1	25.0	<0.00930	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	25.4	mg/L	1	25.0	<0.00930	102	90 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124539
Prep Batch: 105317

Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.83	mg/L	1	5.00	<0.0387	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	4.97	mg/L	1	5.00	<0.0387	99	90 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124601
Prep Batch: 105368

Date Analyzed: 2015-09-02
QC Preparation: 2015-09-02

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	998	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,5	999	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124836
Prep Batch: 105579

Date Analyzed: 2015-09-14
QC Preparation: 2015-09-14

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	47.6	mg/L	1	50.0	<1.18	95	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	45.5	mg/L	1	50.0	<1.18	91	82.8 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403726QC Batch: 124539
Prep Batch: 105317Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31Analyzed By: JR
Prepared By: JR

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Chloride		1,4,5	2350	mg/L	55.6	1390	995	97	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Chloride		1,4,5	2380	mg/L	55.6	1390	995	100	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403726QC Batch: 124539
Prep Batch: 105317Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31Analyzed By: JR
Prepared By: JR

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Nitrate-N		1,4,5	409	mg/L	55.6	278	140	97	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Nitrate-N		1,4,5	410	mg/L	55.6	278	140	97	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403765QC Batch: 124836
Prep Batch: 105579Date Analyzed: 2015-09-14
QC Preparation: 2015-09-14Analyzed By: CF
Prepared By: CF

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Total Kjeldahl Nitrogen - N		2,3,6,7	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	46.9	mg/L	1	50.0	<1.18	94	77.9 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-2)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.2	101	90 - 110	2015-08-31

Standard (CCV-2)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.94	99	90 - 110	2015-08-31

Standard (CCV-3)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.2	101	90 - 110	2015-08-31

Standard (CCV-3)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.93	99	90 - 110	2015-08-31

Standard (CCV-4)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.2	101	90 - 110	2015-08-31

Standard (CCV-4)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.94	99	90 - 110	2015-08-31

Standard (CCV-5)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.3	101	90 - 110	2015-08-31

Standard (CCV-5)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.94	99	90 - 110	2015-08-31

Standard (ICV-1)

QC Batch: 124836

Date Analyzed: 2015-09-14

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.48	90	85 - 115	2015-09-14

Standard (CCV-1)

QC Batch: 124836

Date Analyzed: 2015-09-14

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-09-14

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-15-11	Lubbock
7		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.



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 5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

(Corrected Report)

Jerry Settles
 Del Oro Dairy, LLC.
 1025 East O'Hara
 P.O. Box 1846
 Anthony, NM, 88021

Report Date: September 14, 2015

Work Order: 15083142



DP: 474559
 Project Location: 1025 East OHara, Anthony, NM
 Project Name: Del Oro Dairy

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403726	692-02	water	2015-08-31	09:38	2015-08-31
403727	692-05	water	2015-08-31	11:46	2015-08-31
403728	692-06	water	2015-08-31	11:21	2015-08-31
403729	692-07	water	2015-08-31	10:41	2015-08-31
403730	692-08	water	2015-08-31	10:06	2015-08-31
403731	692-09	water	2015-08-31	12:17	2015-08-31
403732	Lagoon	water	2015-08-31	10:59	2015-08-31

Report Corrections (Work Order 15083142)

- 9/14/15: Reissued report with TKN results for sample 403732.

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested,

company, sampler, contacts and any special remarks.

This report consists of a total of 27 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

A handwritten signature in black ink that reads "Blair Leftwich". The signature is written in a cursive style and is underlined with a thick, dark line.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Del Oro Dairy were received by TraceAnalysis, Inc. on 2015-08-31 and assigned to work order 15083142. Samples for work order 15083142 were received intact at a temperature of 3 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105317	2015-08-31 at 19:11	124539	2015-08-31 at 19:11
NO3 (IC)	E 300.0	105317	2015-08-31 at 19:11	124539	2015-08-31 at 19:11
TDS	SM 2540C	105332	2015-09-01 at 14:18	124554	2015-09-01 at 14:18
TDS	SM 2540C	105368	2015-09-02 at 14:35	124601	2015-09-02 at 14:35
TKN	SM 4500-NH3 B,C	105551	2015-09-11 at 11:00	124809	2015-09-11 at 14:00
TKN	SM 4500-NH3 B,C	105579	2015-09-14 at 09:40	124836	2015-09-14 at 12:45

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15083142 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 403726 - 692-02

Laboratory:	El Paso	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	Chloride (IC)	Date Analyzed:	2015-08-31	Analyzed By:	JR
QC Batch:	124539	Sample Preparation:	2015-08-31	Prepared By:	JR
Prep Batch:	105317				

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	995	995	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403726 - 692-02

Laboratory:	El Paso	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	NO3 (IC)	Date Analyzed:	2015-08-31	Analyzed By:	JR
QC Batch:	124539	Sample Preparation:	2015-08-31	Prepared By:	JR
Prep Batch:	105317				

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	140	140	<1.94	mg/L	50	1.94	0.5	0.0387

Sample: 403726 - 692-02

Laboratory:	El Paso	Analytical Method:	SM 2540C	Prep Method:	N/A
Analysis:	TDS	Date Analyzed:	2015-09-01	Analyzed By:	MC
QC Batch:	124554	Sample Preparation:	2015-09-01	Prepared By:	MC
Prep Batch:	105332				

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	3660	3660	<125	mg/L	50	125	2.5	2.5

Sample: 403726 - 692-02

Laboratory:	Lubbock	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
Analysis:	TKN	Date Analyzed:	2015-09-11	Analyzed By:	CF
QC Batch:	124809	Sample Preparation:		Prepared By:	CF
Prep Batch:	105551				

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,7,8	4.90	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403727 - 692-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	496	496	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403727 - 692-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	5.03	5.03	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403727 - 692-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	1380	1380	<125	mg/L	50	125	2.5	2.5

Sample: 403727 - 692-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105551 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	11.9	11.9	<1.18	mg/L	1	1.18	10	1.18

Sample: 403728 - 692-06

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	444	444	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403728 - 692-06

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	2.56	2.56	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403728 - 692-06

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

continued . . .

sample 403728 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	1400	1400	<125	mg/L	50	125	2.5	2.5

Sample: 403728 - 692-06

Laboratory: Lubbock

Analysis: TKN

QC Batch: 124809

Prep Batch: 105551

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-09-11

Sample Preparation:

Prep Method: N/A

Analyzed By: CF

Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403729 - 692-07

Laboratory: El Paso

Analysis: Chloride (IC)

QC Batch: 124539

Prep Batch: 105317

Analytical Method: E 300.0

Date Analyzed: 2015-08-31

Sample Preparation: 2015-08-31

Prep Method: N/A

Analyzed By: JR

Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	578	578	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403729 - 692-07

Laboratory: El Paso

Analysis: NO3 (IC)

QC Batch: 124539

Prep Batch: 105317

Analytical Method: E 300.0

Date Analyzed: 2015-08-31

Sample Preparation: 2015-08-31

Prep Method: N/A

Analyzed By: JR

Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	2.67	2.67	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403729 - 692-07

Laboratory: El Paso

Analysis: TDS

QC Batch: 124601

Prep Batch: 105368

Analytical Method: SM 2540C

Date Analyzed: 2015-09-02

Sample Preparation: 2015-09-02

Prep Method: N/A

Analyzed By: MC

Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	1570	1570	<125	mg/L	50	125	2.5	2.5

Sample: 403729 - 692-07

Laboratory: Lubbock

Analysis: TKN

QC Batch: 124809

Prep Batch: 105551

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-09-11

Sample Preparation:

Prep Method: N/A

Analyzed By: CF

Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		U 2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403730 - 692-08

Laboratory: El Paso

Analysis: Chloride (IC)

QC Batch: 124539

Prep Batch: 105317

Analytical Method: E 300.0

Date Analyzed: 2015-08-31

Sample Preparation: 2015-08-31

Prep Method: N/A

Analyzed By: JR

Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	432	432	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403730 - 692-08

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	U	1,4,6	<0.194	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403730 - 692-08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	1380	1380	<125	mg/L	50	125	2.5	2.5

Sample: 403730 - 692-08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105551 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403731 - 692-09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

continued ...

sample 403731 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	434	434	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403731 - 692-09

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	3.04	3.04	<0.0387	mg/L	1	0.0387	0.5	0.0387

Sample: 403731 - 692-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	1290	1290	<125	mg/L	50	125	2.5	2.5

Sample: 403731 - 692-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124809 Date Analyzed: 2015-09-11 Analyzed By: CF
 Prep Batch: 105551 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		U 2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403732 - Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	1370	1370	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403732 - Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124539 Date Analyzed: 2015-08-31 Analyzed By: JR
 Prep Batch: 105317 Sample Preparation: 2015-08-31 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	u	1,4,6	<0.194	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403732 - Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124601 Date Analyzed: 2015-09-02 Analyzed By: MC
 Prep Batch: 105368 Sample Preparation: 2015-09-02 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	11000	11000	<500	mg/L	200	500	2.5	2.5

Sample: 403732 - Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124836 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105579 Sample Preparation: Prepared By: CF

continued ...

sample 403732 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	445	445	<2.36	mg/L	2	2.36	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124539
Prep Batch: 105317Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124539
Prep Batch: 105317Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124554
Prep Batch: 105332Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124601
Prep Batch: 105368Date Analyzed: 2015-09-02
QC Preparation: 2015-09-02Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1)QC Batch: 124809
Prep Batch: 105551Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	1.18

Method Blank (1)QC Batch: 124836
Prep Batch: 105579Date Analyzed: 2015-09-14
QC Preparation: 2015-09-14Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403726QC Batch: 124554
Prep Batch: 105332Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3550	3660	mg/L	50	3	10

Duplicate (1) Duplicated Sample: 403760QC Batch: 124601
Prep Batch: 105368Date Analyzed: 2015-09-02
QC Preparation: 2015-09-02Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2790	2720	mg/L	50	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124539
Prep Batch: 105317Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	24.7	mg/L	1	25.0	<0.00930	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	25.4	mg/L	1	25.0	<0.00930	102	90 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124539
Prep Batch: 105317Date Analyzed: 2015-08-31
QC Preparation: 2015-08-31Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	4.83	mg/L	1	5.00	<0.0387	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	4.97	mg/L	1	5.00	<0.0387	99	90 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124554
Prep Batch: 105332Date Analyzed: 2015-09-01
QC Preparation: 2015-09-01Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	1000	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	47.6	mg/L	1	50.0	<1.18	95	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	82.8 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403731

QC Batch: 124809
Prep Batch: 105551

Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403765

QC Batch: 124836
Prep Batch: 105579

Date Analyzed: 2015-09-14
QC Preparation: 2015-09-14

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	46.9	mg/L	1	50.0	<1.18	94	77.9 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.7	99	90 - 110	2015-08-31

Standard (CCV-1)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.92	98	90 - 110	2015-08-31

Standard (CCV-2)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.2	101	90 - 110	2015-08-31

Standard (CCV-2)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.94	99	90 - 110	2015-08-31

Standard (CCV-3)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.2	101	90 - 110	2015-08-31

Standard (CCV-3)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.93	99	90 - 110	2015-08-31

Standard (CCV-4)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.2	101	90 - 110	2015-08-31

Standard (CCV-4)

QC Batch: 124539

Date Analyzed: 2015-08-31

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.94	99	90 - 110	2015-08-31

Standard (ICV-1)

QC Batch: 124809

Date Analyzed: 2015-09-11

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.76	95	85 - 115	2015-09-11

Standard (CCV-1)

QC Batch: 124809

Date Analyzed: 2015-09-11

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.62	92	85 - 115	2015-09-11

Standard (ICV-1)

QC Batch: 124836

Date Analyzed: 2015-09-14

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.48	90	85 - 115	2015-09-14

Standard (CCV-1)

QC Batch: 124836

Date Analyzed: 2015-09-14

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.62	92	85 - 115	2015-09-14

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

TraceAnalysis, Inc.

Company Name: 15083142
D&H Petroleum & Environmental Services
Address: (Street, City, Zip)
1221 Tower Trail Ln, El Paso TX 79907
Contact Person: Victor Ayala
E-mail: vajala@dhpump.com
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Project #: 474554
Project Name: Jerry Settles 575-882-4331
Del Oro Dairy
Del Oro Dairy, PO Box 1846, Anthony, TX 88021
Sampler Signature: *Jerry*
Project Location (including state):
Del Oro Dairy, 1025 East O'Hara, Anthony, NM

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING			
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
403726-1	692-03	1	250	X				X	X	X	X			8-31-15	9:38
1	692-03	1	500	X				X	X	X	X				9:38
27-1	692-05	1	250	X				X	X	X	X			11:46	11:46
28-1	692-05	1	500	X				X	X	X	X			11:31	11:31
28-1	692-06	1	250	X				X	X	X	X			11:21	11:21
28-1	692-06	1	500	X				X	X	X	X			10:41	10:41
28-1	692-07	1	250	X				X	X	X	X			10:41	10:41
28-1	692-07	1	500	X				X	X	X	X			10:06	10:06
30-1	692-08	1	250	X				X	X	X	X			10:06	10:06
30-1	692-08	1	500	X				X	X	X	X			10:06	10:06
31-1	692-09	1	250	X				X	X	X	X			12:17	12:17
31-1	692-09	1	500	X				X	X	X	X			12:17	12:17
32-1	692-09	1	250	X				X	X	X	X			10:59	10:59
32-1	692-09	1	500	X				X	X	X	X			10:59	10:59
↓	692-09	1	500	X				X	X	X	X				

ANALYSIS REQUEST

MTBE 8021B/602	
BTEX 8021B/602	
TPH 418.1 / TX1005	
TX 1005 Extended (C35)	
PAH 8270C	
PAH 8270 (Low Level Analysis)	
Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	
Nitrates EPA 300	X
TKN SM 4500 NORG C	X
Chloride EPA 300	X
Total Dissolved Solids SM 2540 C MOD	X

Turn Around Time

Relinquished By: *Jerry* Date: 8-31-15 Time: 13:57
 Received By: *Jerry* Date: 8-31-15 Time: 13:57
 Relinquished By: *Jerry* Date: 8-31-15 Time: 13:57
 Received By: *Jerry* Date: 8-31-15 Time: 13:57

Lab Use Only
 Intact Y N
 Headspace Y N
 Temp 23.0 C
 Log-in Review 8-31-15

Remarks:
 see
 Carr 7th B3 5.1
 5.3
 Dry Weight Basis Required
 TRRP Report Required 4549367088



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
 (BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Bruce Bonestroo
 Sun Valley Dairy LLC
 181 Links Rd.
 P. O. Box 1929
 Anthony, NM, 88021

Report Date: September 16, 2015

Work Order: 15090429



Project Location: 181 Links Rd, Anthony, NM
 Project Name: Sun Valley Dairy

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403961	170-04	water	2015-09-04	08:40	2015-09-04
403962	170-02	water	2015-09-04	09:35	2015-09-04
403963	170-01	water	2015-09-04	09:51	2015-09-04
403964	170-08A	water	2015-09-04	10:30	2015-09-04
403965	170-03	water	2015-09-04	11:04	2015-09-04
403966	170-05	water	2015-09-04	11:58	2015-09-04

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 35 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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QC Batch 124713 - CCV (3)	29
QC Batch 124713 - CCV (4)	30
QC Batch 124713 - CCV (4)	30
QC Batch 124713 - CCV (4)	30
QC Batch 124767 - ICV (1)	30
QC Batch 124767 - CCV (1)	30
QC Batch 124833 - ICV (1)	31
QC Batch 124833 - CCV (1)	31
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Case Narrative

Samples for project Sun Valley Dairy were received by TraceAnalysis, Inc. on 2015-09-04 and assigned to work order 15090429. Samples for work order 15090429 were received intact at a temperature of 3.7 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Alkalinity	SM 2320B	105575	2015-09-11 at 12:23	124833	2015-09-11 at 12:23
Chloride (IC)	E 300.0	105465	2015-09-04 at 17:47	124713	2015-09-04 at 17:47
Fe, Total	S 6010C	105469	2015-09-09 at 10:46	124767	2015-09-10 at 12:21
NO3 (IC)	E 300.0	105465	2015-09-04 at 17:47	124713	2015-09-04 at 17:47
SO4 (IC)	E 300.0	105465	2015-09-04 at 17:47	124713	2015-09-04 at 17:47
TDS	SM 2540C	105524	2015-09-10 at 12:50	124781	2015-09-10 at 12:50
TKN	SM 4500-NH3 B,C	105619	2015-09-15 at 09:50	124871	2015-09-15 at 13:20
TKN	SM 4500-NH3 B,C	105620	2015-09-15 at 09:50	124873	2015-09-15 at 13:20

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15090429 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 403961 - 170-04

Laboratory: El Paso
 Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
 QC Batch: 124833 Date Analyzed: 2015-09-11 Analyzed By: DDH
 Prep Batch: 105575 Sample Preparation: 2015-09-11 Prepared By: DDH

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Hydroxide Alkalinity	U	1,4,6	<20.0	<20.0	<20.0	mg/L as CaCo3	1	20.0	20	20
Carbonate Alkalinity	U	1,4,6	<20.0	<20.0	<20.0	mg/L as CaCo3	1	20.0	20	20
Bicarbonate Alkalinity		1,4,6	220	220	<20.0	mg/L as CaCo3	1	20.0	20	20
Total Alkalinity		1,4,6	220	220	<20.0	mg/L as CaCo3	1	20.0	20	20

Sample: 403961 - 170-04

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	556	556	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403961 - 170-04

Laboratory: Lubbock
 Analysis: Fe, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 124767 Date Analyzed: 2015-09-10 Analyzed By: RR
 Prep Batch: 105469 Sample Preparation: 2015-09-09 Prepared By: RR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Iron		3,5	1.63	1.63	<0.00700	mg/L	1	0.00700	0.01	0.007

Sample: 403961 - 170-04

Laboratory: El Paso

Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	23.3	23.3	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403961 - 170-04

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Sulfate		1,4,6	317	317	<0.389	mg/L	10	0.389	2.5	0.0389

Sample: 403961 - 170-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124781 Date Analyzed: 2015-09-10 Analyzed By: MC
 Prep Batch: 105524 Sample Preparation: 2015-09-10 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	1980	1980	<125	mg/L	50	125	2.5	2.5

Sample: 403961 - 170-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124871 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105619 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403962 - 170-02

Laboratory: El Paso
 Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
 QC Batch: 124833 Date Analyzed: 2015-09-11 Analyzed By: DDH
 Prep Batch: 105575 Sample Preparation: 2015-09-11 Prepared By: DDH

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Hydroxide Alkalinity	U	1,4,6	<20.0	<20.0	<20.0	mg/L as CaCo3	1	20.0	20	20
Carbonate Alkalinity	U	1,4,6	<20.0	<20.0	<20.0	mg/L as CaCo3	1	20.0	20	20
Bicarbonate Alkalinity		1,4,6	240	240	<20.0	mg/L as CaCo3	1	20.0	20	20
Total Alkalinity		1,4,6	240	240	<20.0	mg/L as CaCo3	1	20.0	20	20

Sample: 403962 - 170-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	454	454	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403962 - 170-02

Laboratory: Lubbock
 Analysis: Fe, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 124767 Date Analyzed: 2015-09-10 Analyzed By: RR
 Prep Batch: 105469 Sample Preparation: 2015-09-09 Prepared By: RR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Iron		3,5	0.0460	0.0460	<0.00700	mg/L	1	0.00700	0.01	0.007

Sample: 403962 - 170-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	29.6	29.6	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403962 - 170-02

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		1,4,6	229	229	<0.389	mg/L	10	0.389	2.5	0.0389

Sample: 403962 - 170-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124781 Date Analyzed: 2015-09-10 Analyzed By: MC
 Prep Batch: 105524 Sample Preparation: 2015-09-10 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	1650	1650	<125	mg/L	50	125	2.5	2.5

Sample: 403962 - 170-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124871 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105619 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403963 - 170-01

Laboratory: El Paso
 Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
 QC Batch: 124833 Date Analyzed: 2015-09-11 Analyzed By: DDH
 Prep Batch: 105575 Sample Preparation: 2015-09-11 Prepared By: DDH

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Hydroxide Alkalinity	U	1,4,6	<20.0	<20.0	<20.0	mg/L as CaCo3	1	20.0	20	20
Carbonate Alkalinity	U	1,4,6	<20.0	<20.0	<20.0	mg/L as CaCo3	1	20.0	20	20
Bicarbonate Alkalinity		1,4,6	280	280	<20.0	mg/L as CaCo3	1	20.0	20	20
Total Alkalinity		1,4,6	280	280	<20.0	mg/L as CaCo3	1	20.0	20	20

Sample: 403963 - 170-01

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	727	727	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403963 - 170-01

Laboratory: Lubbock
 Analysis: Fe, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 124767 Date Analyzed: 2015-09-10 Analyzed By: RR
 Prep Batch: 105469 Sample Preparation: 2015-09-09 Prepared By: RR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Iron		3,5	0.216	0.216	<0.00700	mg/L	1	0.00700	0.01	0.007

Sample: 403963 - 170-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	79.2	79.2	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403963 - 170-01

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		1,4,6	475	475	<0.389	mg/L	10	0.389	2.5	0.0389

Sample: 403963 - 170-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124781 Date Analyzed: 2015-09-10 Analyzed By: MC
 Prep Batch: 105524 Sample Preparation: 2015-09-10 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2630	2630	<125	mg/L	50	125	2.5	2.5

Sample: 403963 - 170-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124873 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105620 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403964 - 170-08A

Laboratory: El Paso
 Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
 QC Batch: 124833 Date Analyzed: 2015-09-11 Analyzed By: DDH
 Prep Batch: 105575 Sample Preparation: 2015-09-11 Prepared By: DDH

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Hydroxide Alkalinity	U	1,4,6	<20.0	<20.0	<20.0	mg/L as CaCo3	1	20.0	20	20
Carbonate Alkalinity	U	1,4,6	<20.0	<20.0	<20.0	mg/L as CaCo3	1	20.0	20	20
Bicarbonate Alkalinity		1,4,6	250	250	<20.0	mg/L as CaCo3	1	20.0	20	20
Total Alkalinity		1,4,6	250	250	<20.0	mg/L as CaCo3	1	20.0	20	20

Sample: 403964 - 170-08A

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	700	700	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403964 - 170-08A

Laboratory: Lubbock
 Analysis: Fe, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 124767 Date Analyzed: 2015-09-10 Analyzed By: RR
 Prep Batch: 105469 Sample Preparation: 2015-09-09 Prepared By: RR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Iron		3,5	0.220	0.220	<0.00700	mg/L	1	0.00700	0.01	0.007

Sample: 403964 - 170-08A

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	54.8	54.8	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403964 - 170-08A

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		1,4,6	377	377	<0.389	mg/L	10	0.389	2.5	0.0389

Sample: 403964 - 170-08A

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124781 Date Analyzed: 2015-09-10 Analyzed By: MC
 Prep Batch: 105524 Sample Preparation: 2015-09-10 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2450	2450	<125	mg/L	50	125	2.5	2.5

Sample: 403964 - 170-08A

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124873 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105620 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403965 - 170-03

Laboratory: El Paso
 Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
 QC Batch: 124833 Date Analyzed: 2015-09-11 Analyzed By: DDH
 Prep Batch: 105575 Sample Preparation: 2015-09-11 Prepared By: DDH

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Hydroxide Alkalinity	U	1,4,6	<20.0	<20.0	<20.0	mg/L as CaCo3	1	20.0	20	20
Carbonate Alkalinity	U	1,4,6	<20.0	<20.0	<20.0	mg/L as CaCo3	1	20.0	20	20
Bicarbonate Alkalinity		1,4,6	245	245	<20.0	mg/L as CaCo3	1	20.0	20	20
Total Alkalinity		1,4,6	245	245	<20.0	mg/L as CaCo3	1	20.0	20	20

Sample: 403965 - 170-03

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	676	676	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403965 - 170-03

Laboratory: Lubbock
 Analysis: Fe, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 124767 Date Analyzed: 2015-09-10 Analyzed By: RR
 Prep Batch: 105469 Sample Preparation: 2015-09-09 Prepared By: RR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Iron		3,5	0.461	0.461	<0.00700	mg/L	1	0.00700	0.01	0.007

Sample: 403965 - 170-03

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	33.5	33.5	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403965 - 170-03

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		1,4,6	439	439	<0.389	mg/L	10	0.389	2.5	0.0389

Sample: 403965 - 170-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124781 Date Analyzed: 2015-09-10 Analyzed By: MC
 Prep Batch: 105524 Sample Preparation: 2015-09-10 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2190	2190	<125	mg/L	50	125	2.5	2.5

Sample: 403965 - 170-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124873 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105620 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403966 - 170-05

Laboratory: El Paso
 Analysis: Alkalinity Analytical Method: SM 2320B Prep Method: N/A
 QC Batch: 124833 Date Analyzed: 2015-09-11 Analyzed By: DDH
 Prep Batch: 105575 Sample Preparation: 2015-09-11 Prepared By: DDH

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Hydroxide Alkalinity	U	1,4,6	<20.0	<20.0	<20.0	mg/L as CaCo3	1	20.0	20	20
Carbonate Alkalinity	U	1,4,6	<20.0	<20.0	<20.0	mg/L as CaCo3	1	20.0	20	20
Bicarbonate Alkalinity		1,4,6	465	465	<20.0	mg/L as CaCo3	1	20.0	20	20
Total Alkalinity		1,4,6	465	465	<20.0	mg/L as CaCo3	1	20.0	20	20

Sample: 403966 - 170-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	577	577	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403966 - 170-05

Laboratory: Lubbock
 Analysis: Fe, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 124767 Date Analyzed: 2015-09-10 Analyzed By: RR
 Prep Batch: 105469 Sample Preparation: 2015-09-09 Prepared By: RR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Iron		3,5	256	256	<0.0350	mg/L	5	0.0350	0.01	0.007

Sample: 403966 - 170-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	47.6	47.6	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 403966 - 170-05

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124713 Date Analyzed: 2015-09-04 Analyzed By: JR
 Prep Batch: 105465 Sample Preparation: 2015-09-04 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		1,4,6	248	248	<0.389	mg/L	10	0.389	2.5	0.0389

Sample: 403966 - 170-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124781 Date Analyzed: 2015-09-10 Analyzed By: MC
 Prep Batch: 105524 Sample Preparation: 2015-09-10 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2000	2000	<125	mg/L	50	125	2.5	2.5

Sample: 403966 - 170-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124873 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105620 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124713
Prep Batch: 105465Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124713
Prep Batch: 105465Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124713
Prep Batch: 105465Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Sulfate		1,4,6	<0.0389	mg/L	0.0389

Method Blank (1)

QC Batch: 124767
Prep Batch: 105469Date Analyzed: 2015-09-10
QC Preparation: 2015-09-09Analyzed By: RR
Prepared By: PM

Parameter	F	C	Result	Units	Reporting Limits
Total Iron		3,5	<0.00700	mg/L	0.007

Method Blank (1)QC Batch: 124781
Prep Batch: 105524Date Analyzed: 2015-09-10
QC Preparation: 2015-09-10Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Method Blank (1)QC Batch: 124833
Prep Batch: 105575Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11Analyzed By: DDH
Prepared By: DDH

Parameter	F	C	Result	Units	Reporting Limits
Hydroxide Alkalinity		1,4,6	<20.0	mg/L as CaCo3	20
Carbonate Alkalinity		1,4,6	<20.0	mg/L as CaCo3	20
Bicarbonate Alkalinity		1,4,6	<20.0	mg/L as CaCo3	20
Total Alkalinity		1,4,6	<20.0	mg/L as CaCo3	20

Method Blank (1)QC Batch: 124871
Prep Batch: 105619Date Analyzed: 2015-09-15
QC Preparation: 2015-09-15Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,9	<1.18	mg/L	1.18

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Method Blank (1)

QC Batch: 124873
Prep Batch: 105620

Date Analyzed: 2015-09-15
QC Preparation: 2015-09-15

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,9	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403965QC Batch: 124781
Prep Batch: 105524Date Analyzed: 2015-09-10
QC Preparation: 2015-09-10Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2110	2190	mg/L	50	4	10

Duplicate (1) Duplicated Sample: 403966QC Batch: 124833
Prep Batch: 105575Date Analyzed: 2015-09-11
QC Preparation: 2015-09-11Analyzed By: DDH
Prepared By: DDH

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity		1,4,6	<20.0	<20.0	mg/L as CaCo3	1	0	20
Carbonate Alkalinity		1,4,6	<20.0	<20.0	mg/L as CaCo3	1	0	20
Bicarbonate Alkalinity		1,4,6	475	465	mg/L as CaCo3	1	2	20
Total Alkalinity		1,4,6	475	465	mg/L as CaCo3	1	2	20

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124713
Prep Batch: 105465Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	24.6	mg/L	1	25.0	<0.00930	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	24.7	mg/L	1	25.0	<0.00930	99	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124713
Prep Batch: 105465Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	4.86	mg/L	1	5.00	<0.0387	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	4.87	mg/L	1	5.00	<0.0387	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124713
Prep Batch: 105465Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1,4,6	24.5	mg/L	1	25.0	<0.0389	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Sulfate		1,4,6	24.6	mg/L	1	25.0	<0.0389	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124767 Date Analyzed: 2015-09-10 Analyzed By: RR
 Prep Batch: 105469 QC Preparation: 2015-09-09 Prepared By: PM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Iron		3,5	0.470	mg/L	1	0.500	<0.00700	94	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Iron		3,5	0.497	mg/L	1	0.500	<0.00700	99	85 - 115	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124781 Date Analyzed: 2015-09-10 Analyzed By: MC
 Prep Batch: 105524 QC Preparation: 2015-09-10 Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	999	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	999	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124871 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105619 QC Preparation: 2015-09-15 Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	46.2	mg/L	1	50.0	<1.18	92	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	47.6	mg/L	1	50.0	<1.18	95	82.8 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124873
Prep Batch: 105620

Date Analyzed: 2015-09-15
QC Preparation: 2015-09-15

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	45.5	mg/L	1	50.0	<1.18	91	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	47.6	mg/L	1	50.0	<1.18	95	82.8 - 115	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403963QC Batch: 124713
Prep Batch: 105465Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	2290	mg/L	55.6	1390	727	112	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	2300	mg/L	55.6	1390	727	113	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403963QC Batch: 124713
Prep Batch: 105465Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	373	mg/L	55.6	278	79.2	106	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	375	mg/L	55.6	278	79.2	106	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403963QC Batch: 124713
Prep Batch: 105465Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1,4,6	1980	mg/L	55.6	1390	475	108	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Sulfate		1,4,6	1990	mg/L	55.6	1390	475	109	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403961

QC Batch: 124767 Date Analyzed: 2015-09-10 Analyzed By: RR
Prep Batch: 105469 QC Preparation: 2015-09-09 Prepared By: PM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Iron		3,5	2.18	mg/L	1	0.500	1.63	110	75 - 125

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Iron		3,5	2.09	mg/L	1	0.500	1.63	92	75 - 125	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403962

QC Batch: 124871 Date Analyzed: 2015-09-15 Analyzed By: CF
Prep Batch: 105619 QC Preparation: 2015-09-15 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403966

QC Batch: 124873 Date Analyzed: 2015-09-15 Analyzed By: CF
Prep Batch: 105620 QC Preparation: 2015-09-15 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	46.2	mg/L	1	50.0	<1.18	92	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124713

Date Analyzed: 2015-09-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.6	98	90 - 110	2015-09-04

Standard (CCV-1)

QC Batch: 124713

Date Analyzed: 2015-09-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.87	97	90 - 110	2015-09-04

Standard (CCV-1)

QC Batch: 124713

Date Analyzed: 2015-09-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1,4,6	mg/L	25.0	24.6	98	90 - 110	2015-09-04

Standard (CCV-2)

QC Batch: 124713

Date Analyzed: 2015-09-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.9	100	90 - 110	2015-09-04

Standard (CCV-2)

QC Batch: 124713

Date Analyzed: 2015-09-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.91	98	90 - 110	2015-09-04

Standard (CCV-2)

QC Batch: 124713

Date Analyzed: 2015-09-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1,4,6	mg/L	25.0	24.8	99	90 - 110	2015-09-04

Standard (CCV-3)

QC Batch: 124713

Date Analyzed: 2015-09-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.1	100	90 - 110	2015-09-04

Standard (CCV-3)

QC Batch: 124713

Date Analyzed: 2015-09-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.94	99	90 - 110	2015-09-04

Standard (CCV-3)

QC Batch: 124713

Date Analyzed: 2015-09-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1,4,6	mg/L	25.0	24.9	100	90 - 110	2015-09-04

Standard (CCV-4)

QC Batch: 124713

Date Analyzed: 2015-09-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.1	100	90 - 110	2015-09-04

Standard (CCV-4)

QC Batch: 124713

Date Analyzed: 2015-09-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.95	99	90 - 110	2015-09-04

Standard (CCV-4)

QC Batch: 124713

Date Analyzed: 2015-09-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		1,4,6	mg/L	25.0	24.9	100	90 - 110	2015-09-04

Standard (ICV-1)

QC Batch: 124767

Date Analyzed: 2015-09-10

Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Iron		3,5	mg/L	1.00	0.931	93	90 - 110	2015-09-10

Standard (CCV-1)

QC Batch: 124767

Date Analyzed: 2015-09-10

Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Iron		3,5	mg/L	1.00	0.926	93	90 - 110	2015-09-10

Standard (ICV-1)

QC Batch: 124833

Date Analyzed: 2015-09-11

Analyzed By: DDH

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		1,4,6	mg/L as CaCo3	0.00	<20.0		-	2015-09-11
Carbonate Alkalinity		1,4,6	mg/L as CaCo3	0.00	240		-	2015-09-11
Bicarbonate Alkalinity		1,4,6	mg/L as CaCo3	0.00	<20.0		-	2015-09-11
Total Alkalinity		1,4,6	mg/L as CaCo3	250	240	96	90 - 110	2015-09-11

Standard (CCV-1)

QC Batch: 124833

Date Analyzed: 2015-09-11

Analyzed By: DDH

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Hydroxide Alkalinity		1,4,6	mg/L as CaCo3	0.00	<20.0		-	2015-09-11
Carbonate Alkalinity		1,4,6	mg/L as CaCo3	0.00	190		-	2015-09-11
Bicarbonate Alkalinity		1,4,6	mg/L as CaCo3	0.00	55.0		-	2015-09-11
Total Alkalinity		1,4,6	mg/L as CaCo3	0.00	245	98	90 - 110	2015-09-11

Standard (ICV-1)

QC Batch: 124871

Date Analyzed: 2015-09-15

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,9	mg/L	5.00	4.62	92	85 - 115	2015-09-15

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Alkalinity	SM 2320B	water	N/A	Hydroxide Alkalinity	0.00	-
Alkalinity	SM 2320B	water	N/A	Carbonate Alkalinity	0.00	-
Alkalinity	SM 2320B	water	N/A	Bicarbonate Alkalinity	0.00	-
Alkalinity	SM 2320B	water	N/A	Total Alkalinity	0.00	-
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
Fe, Total	S 6010C	water	PE 8300	Total Iron	0.00500	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
SO4 (IC)	E 300.0	water	Dionex IC	Sulfate	0.104	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8	NELAP	T104704392-14-8	Midland
9		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.

F	Description
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.
Please note, each attachment may consist of more than one page.

Trace Analysis, Inc.

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Lubbock, Texas 79424
Tel (806) 794-1296
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200 East Sunset Rd., Suite E
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BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
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Fax (972) 242-7750

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Hobbs, NM 88240
Tel (575) 392-7561
Fax (575) 392-4508

email: lab@traceanalysis.com

Company Name: DEH Petroleum & Environmental
Address: 1221 Town Trail Ln El Paso 79907
Contact Person: Roselle Guillen
Phone #: (915) 859-8150
Fax #: (915) 859-7229
E-mail: _____

Invoice to: Sun Valley Dairy, P.O. Box 1929 Anthony, N.M 88021
(If different from above)
Project #: _____
Project Name: Sun Valley Dairy
Sampler Signature: [Signature]

Project Location (including state): 181 Links Rd Anthony, NM

ANALYSIS REQUEST (Circle or Specify Method No.)

Method No.	Method Name	Na, Ca, Mg, K, TDS, EC	Alkalinity	Moisture Content	Cl, F, SO ₄ , NO ₃ , N, NO ₂ , N, PO ₄ , P	Turn Around Time if different from standard
MTBE 8021 / 602 / 8260 / 624						
BTEX 8021 / 602 / 8260 / 624						
TPH 418.1 / TX1005 / TX1005 Ext(C35)						
TPH 8015 GRO / DRO / TVHC						
PAH 8270 / 625						
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7						
TCLP Metals Ag As Ba Cd Cr Pb Se Hg						
TCLP Semi Volatiles						
TCLP Pesticides						
RCI						
GC/MS Vol. 8260 / 624						
GC/MS Sem. Vol. 8270 / 625						
PCB's 8082 / 608						
Pesticides 8081 / 608						
BOD, TSS, pH						

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE
403961	170-04	1	250 mL					X				9/4/15	8:40
2	170-04	1	250 mL					X					8:40
3	170-04	1	500 mL					X					9:40
60-1	170-02	1	250 mL					X					9:35
2	170-02	1	250 mL					X					9:35
3	170-02	1	500 mL					X					9:35
63-1	170-01	1	250 mL					X					9:51
2	170-01	1	250 mL					X					9:51
3	170-01	1	500 mL					X					9:51
64-1	170-08A	1	250 mL					X					10:30
2	170-08A	1	250 mL					X					10:30

Received by: [Signature] Company: [Signature] Date: 9/4/15 Time: 12:45
 Received by: [Signature] Company: [Signature] Date: 9/4/15 Time: 16:30
 Received by: [Signature] Company: [Signature] Date: 9/15/15 Time: 9:19

INST: 113 OBS: 4.4 COR: 3.2
 INST: 113 OBS: 4.2 COR: 4.4

REMARKS: _____

LAB USE ONLY
 In-lab: Y N
 Headspace: Y N NA
 Log-in-Review: _____

Dry Weight Basis Required
 TRRP Report Required
 Check if Special Reporting Limits Are Needed

Carrier # Carry 1549367090



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
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(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Linda Armstrong
Dona Ana Dairies

Report Date: September 16, 2015

P.O. Box 10
Mesquite, NM, 88048

Work Order: 15090318



Project Location: Various Dairies, Dona Ana County, NM
Project Name: Dona Ana Dairies Consortium

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403867	DAD-10	water	2015-09-03	08:42	2015-09-03
403868	DAD-15	water	2015-09-03	09:34	2015-09-03

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 19 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Dona Ana Dairies Consortium were received by TraceAnalysis, Inc. on 2015-09-03 and assigned to work order 15090318. Samples for work order 15090318 were received intact at a temperature of 3 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105464	2015-09-03 at 17:38	124712	2015-09-03 at 17:38
NO3 (IC)	E 300.0	105464	2015-09-03 at 17:38	124712	2015-09-03 at 17:38
TDS	SM 2540C	105486	2015-09-08 at 15:35	124735	2015-09-08 at 15:35
TKN	SM 4500-NH3 B,C	105619	2015-09-15 at 09:50	124871	2015-09-15 at 13:20

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15090318 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

This report contains 1 analytes that have been manually integrated.

Sample	Analyte	Flag	Comment
1. 124712 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 403867 - DAD-10

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124712 Date Analyzed: 2015-09-03 Analyzed By: JR
 Prep Batch: 105464 Sample Preparation: 2015-09-03 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	455	455	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403867 - DAD-10

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124712 Date Analyzed: 2015-09-03 Analyzed By: JR
 Prep Batch: 105464 Sample Preparation: 2015-09-03 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	Je,M15	1,4,5	6.53	6.53	<0.0387	mg/L	1	0.0387	0.5	0.0387

Sample: 403867 - DAD-10

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124735 Date Analyzed: 2015-09-08 Analyzed By: MC
 Prep Batch: 105486 Sample Preparation: 2015-09-08 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	1680	1680	<125	mg/L	50	125	2.5	2.5

Sample: 403867 - DAD-10

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124871 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105619 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403868 - DAD-15

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124712 Date Analyzed: 2015-09-03 Analyzed By: JR
 Prep Batch: 105464 Sample Preparation: 2015-09-03 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	501	501	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403868 - DAD-15

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124712 Date Analyzed: 2015-09-03 Analyzed By: JR
 Prep Batch: 105464 Sample Preparation: 2015-09-03 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	Je,MI5	1,4,5	4.20	4.20	<0.0387	mg/L	1	0.0387	0.5	0.0387

Sample: 403868 - DAD-15

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124735 Date Analyzed: 2015-09-08 Analyzed By: MC
 Prep Batch: 105486 Sample Preparation: 2015-09-08 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	1760	1760	<125	mg/L	50	125	2.5	2.5

Sample: 403868 - DAD-15

Report Date: September 16, 2015

Work Order: 15090318
Dona Ana Dairies Consortium

Page Number: 7 of 19
Various Dairies, Dona Ana County, NM

Laboratory: Lubbock

Analysis: TKN

QC Batch: 124871

Prep Batch: 105619

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-09-15

Sample Preparation:

Prep Method: N/A

Analyzed By: CF

Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124712
Prep Batch: 105464Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124712
Prep Batch: 105464Date Analyzed: 2015-09-03
QC Preparation: 2015-09-03Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	Je,MI5	1,4,5	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124735
Prep Batch: 105486Date Analyzed: 2015-09-08
QC Preparation: 2015-09-08Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124871
Prep Batch: 105619Date Analyzed: 2015-09-15
QC Preparation: 2015-09-15Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403989

QC Batch: 124735
 Prep Batch: 105486

Date Analyzed: 2015-09-08
 QC Preparation: 2015-09-08

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	2160	2060	mg/L	50	5	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124712
 Prep Batch: 105464

Date Analyzed: 2015-09-03
 QC Preparation: 2015-09-03

Analyzed By: JR
 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	25.0	mg/L	1	25.0	<0.00930	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	24.6	mg/L	1	25.0	<0.00930	98	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124712
 Prep Batch: 105464

Date Analyzed: 2015-09-03
 QC Preparation: 2015-09-03

Analyzed By: JR
 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.92	mg/L	1	5.00	<0.0387	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	4.93	mg/L	1	5.00	<0.0387	99	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124735
 Prep Batch: 105486

Date Analyzed: 2015-09-08
 QC Preparation: 2015-09-08

Analyzed By: MC
 Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	997	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,5	998	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124871
 Prep Batch: 105619

Date Analyzed: 2015-09-15
 QC Preparation: 2015-09-15

Analyzed By: CF
 Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	46.2	mg/L	1	50.0	<1.18	92	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	47.6	mg/L	1	50.0	<1.18	95	82.8 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403867

QC Batch: 124712 Date Analyzed: 2015-09-03 Analyzed By: JR
 Prep Batch: 105464 QC Preparation: 2015-09-03 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	1010	mg/L	22.2	555	455	100	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	1010	mg/L	22.2	555	455	100	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403867

QC Batch: 124712 Date Analyzed: 2015-09-03 Analyzed By: JR
 Prep Batch: 105464 QC Preparation: 2015-09-03 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	126	mg/L	22.2	111	6.53	108	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	126	mg/L	22.2	111	6.53	108	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403962

QC Batch: 124871 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105619 QC Preparation: 2015-09-15 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124712

Date Analyzed: 2015-09-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.7	99	90 - 110	2015-09-03

Standard (CCV-1)

QC Batch: 124712

Date Analyzed: 2015-09-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.90	98	90 - 110	2015-09-03

Standard (CCV-2)

QC Batch: 124712

Date Analyzed: 2015-09-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.0	100	90 - 110	2015-09-03

Standard (CCV-2)

QC Batch: 124712

Date Analyzed: 2015-09-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.92	98	90 - 110	2015-09-03

Standard (CCV-3)

QC Batch: 124712

Date Analyzed: 2015-09-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.1	100	90 - 110	2015-09-03

Standard (CCV-3)

QC Batch: 124712

Date Analyzed: 2015-09-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.94	99	90 - 110	2015-09-03

Standard (ICV-1)

QC Batch: 124871

Date Analyzed: 2015-09-15

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-09-15

Standard (CCV-1)

QC Batch: 124871

Date Analyzed: 2015-09-15

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.90	98	85 - 115	2015-09-15

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-15-11	Lubbock
7		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.



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200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
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E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Isaac Dominguez
Dominguez Dairy #1
13950 Stern Drive
P.O. Box 21
Mesquite, NM, 88048

Report Date: August 14, 2015

Work Order: 15080740



DP: 624
Project Location: 13950 Stern Dr., Mesquite, NM
Project Name: Dominguez Dairy #1

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
401474	624-01	water	2015-08-07	10:48	2015-08-07
401475	624-02	water	2015-08-07	12:13	2015-08-07
401476	624 Lagoon	water	2015-08-07	09:32	2015-08-07

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 20 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Dominguez Dairy #1 were received by TraceAnalysis, Inc. on 2015-08-07 and assigned to work order 15080740. Samples for work order 15080740 were received intact at a temperature of 6 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	104735	2015-08-07 at 17:43	123866	2015-08-07 at 17:43
NO3 (IC)	E 300.0	104735	2015-08-07 at 17:43	123866	2015-08-07 at 17:43
TDS	SM 2540C	104812	2015-08-12 at 14:00	123966	2015-08-12 at 14:00
TKN	SM 4500-NH3 B,C	104771	2015-08-11 at 10:30	123914	2015-08-11 at 12:50

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15080740 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

This report contains 2 analytes that have been manually integrated.

Sample	Analyte	Flag	Comment
1. 123866 CCV-2	Nitrate-N	MI1	Split peak or shoulder peak
2. 123866 CCV-2	Nitrate-N	MI3	Instrument software misidentified the peak

Analytical Report

Sample: 401474 - 624-01

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 123866 Date Analyzed: 2015-08-07 Analyzed By: JR
 Prep Batch: 104735 Sample Preparation: 2015-08-07 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	Je	1,4,5	1010	1010	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 401474 - 624-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 123866 Date Analyzed: 2015-08-07 Analyzed By: JR
 Prep Batch: 104735 Sample Preparation: 2015-08-07 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	MI1,MI3	1,4,5	14.0	14.0	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 401474 - 624-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 123966 Date Analyzed: 2015-08-12 Analyzed By: MC
 Prep Batch: 104812 Sample Preparation: 2015-08-12 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	3110	3110	<125	mg/L	50	125	2.5	2.5

Sample: 401474 - 624-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 123914 Date Analyzed: 2015-08-11 Analyzed By: CF
 Prep Batch: 104771 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 401475 - 624-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 123866 Date Analyzed: 2015-08-07 Analyzed By: JR
 Prep Batch: 104735 Sample Preparation: 2015-08-07 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	Je	1,4,5	801	801	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 401475 - 624-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 123866 Date Analyzed: 2015-08-07 Analyzed By: JR
 Prep Batch: 104735 Sample Preparation: 2015-08-07 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	M11,M13	1,4,5	15.6	15.6	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 401475 - 624-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 123966 Date Analyzed: 2015-08-12 Analyzed By: MC
 Prep Batch: 104812 Sample Preparation: 2015-08-12 Prepared By: MC

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2710	2710	<125	mg/L	50	125	2.5	2.5

Sample: 401475 - 624-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 123914 Date Analyzed: 2015-08-11 Analyzed By: CF
 Prep Batch: 104771 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 401476 - 624 Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 123866 Date Analyzed: 2015-08-07 Analyzed By: JR
 Prep Batch: 104735 Sample Preparation: 2015-08-07 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	Je	1,4,5	3110	3110	<0.930	mg/L	100	0.930	2.5	0.0093

Sample: 401476 - 624 Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 123866 Date Analyzed: 2015-08-07 Analyzed By: JR
 Prep Batch: 104735 Sample Preparation: 2015-08-07 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	J,Je,MI1,MI3	1,4,5	2.04	<5.00	<0.387	mg/L	10	0.387	0.5	0.0387

Sample: 401476 - 624 Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 123966 Date Analyzed: 2015-08-12 Analyzed By: MC
 Prep Batch: 104812 Sample Preparation: 2015-08-12 Prepared By: MC

continued . . .

sample 401476 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	9120	9120	<500	mg/L	200	500	2.5	2.5

Sample: 401476 - 624 Lagoon

Laboratory: Lubbock
 Analysis: TKN
 QC Batch: 123914
 Prep Batch: 104771

Analytical Method: SM 4500-NH3 B,C
 Date Analyzed: 2015-08-11
 Sample Preparation:

Prep Method: N/A
 Analyzed By: CF
 Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,6,7	55.3	55.3	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 123866
Prep Batch: 104735Date Analyzed: 2015-08-07
QC Preparation: 2015-08-07Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride	Je	1,4,5	0.287	mg/L	0.0093

Method Blank (1)

QC Batch: 123866
Prep Batch: 104735Date Analyzed: 2015-08-07
QC Preparation: 2015-08-07Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,5	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 123914
Prep Batch: 104771Date Analyzed: 2015-08-11
QC Preparation: 2015-08-11Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Method Blank (1)

QC Batch: 123966
Prep Batch: 104812Date Analyzed: 2015-08-12
QC Preparation: 2015-08-12Analyzed By: MC
Prepared By: MC

Report Date: August 14, 2015

Work Order: 15080740
Dominguez Dairy #1

Page Number: 10 of 20
13950 Stern Dr., Mesquite, NM

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<2.50	mg/L	2.5

Duplicates

Duplicate (1) Duplicated Sample: 401475

QC Batch: 123966
 Prep Batch: 104812

Date Analyzed: 2015-08-12
 QC Preparation: 2015-08-12

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	2740	2710	mg/L	50	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 123866
Prep Batch: 104735Date Analyzed: 2015-08-07
QC Preparation: 2015-08-07Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	24.6	mg/L	1	25.0	<0.00930	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	24.5	mg/L	1	25.0	<0.00930	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 123866
Prep Batch: 104735Date Analyzed: 2015-08-07
QC Preparation: 2015-08-07Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.90	mg/L	1	5.00	<0.0387	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	4.88	mg/L	1	5.00	<0.0387	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 123914
Prep Batch: 104771Date Analyzed: 2015-08-11
QC Preparation: 2015-08-11Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	44.1	mg/L	1	50.0	<1.18	88	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	44.1	mg/L	1	50.0	<1.18	88	82.8 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 123966
Prep Batch: 104812

Date Analyzed: 2015-08-12
QC Preparation: 2015-08-12

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	996	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,5	999	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 401475QC Batch: 123866
Prep Batch: 104735Date Analyzed: 2015-08-07
QC Preparation: 2015-08-07Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	2180	mg/L	55.6	1390	801	99	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	2180	mg/L	55.6	1390	801	99	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 401475QC Batch: 123866
Prep Batch: 104735Date Analyzed: 2015-08-07
QC Preparation: 2015-08-07Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	286	mg/L	55.6	278	15.6	97	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	286	mg/L	55.6	278	15.6	97	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 400888QC Batch: 123914
Prep Batch: 104771Date Analyzed: 2015-08-11
QC Preparation: 2015-08-11Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	54.6	mg/L	1	50.0	9.1	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	53.9	mg/L	1	50.0	9.1	90	77.9 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 123866

Date Analyzed: 2015-08-07

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.0	100	90 - 110	2015-08-07

Standard (CCV-1)

QC Batch: 123866

Date Analyzed: 2015-08-07

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.90	98	90 - 110	2015-08-07

Standard (CCV-2)

QC Batch: 123866

Date Analyzed: 2015-08-07

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.8	99	90 - 110	2015-08-07

Standard (CCV-2)

QC Batch: 123866

Date Analyzed: 2015-08-07

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N	MI1,MI3	1,4,5	mg/L	5.00	4.77	95	90 - 110	2015-08-07

Standard (CCV-3)

QC Batch: 123866

Date Analyzed: 2015-08-07

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.3	101	90 - 110	2015-08-07

Standard (CCV-3)

QC Batch: 123866

Date Analyzed: 2015-08-07

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.78	96	90 - 110	2015-08-07

Standard (ICV-1)

QC Batch: 123914

Date Analyzed: 2015-08-11

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.34	87	85 - 115	2015-08-11

Standard (CCV-1)

QC Batch: 123914

Date Analyzed: 2015-08-11

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.48	90	85 - 115	2015-08-11

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-15-11	Lubbock
7		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

15080740

5001 Aberdeen, Ste. 2
Lubbock, TX 79424
Tel (806) 794-1296
Fax (806) 794-1298

TraceAnalysis, Inc.

Paso, TX 79932
Tel (915) 585-3443
Fax (915) 585-4944

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 15080740
Page 1 of 1

Company Name: D&H Petroleum & Environmental Services
Address: (Street, City, Zip) 1221 Tower Trail Ln, El Paso TX 79907
Contact Person: Victor Ayala
Phone #: 915-859-8150
Cell #:
Fax #:
E-mail: vajala@dhpump.com

Invoice to (if different from above): Dominguez Dairy #1, PO Box 21, Mesquite, NM 88048
Project #:
Project Name: Dominguez Dairy #1
Sampler Signature: *jms*

Project Location (including state): Dominguez Dairy #1, 13950 Stern Dr., Mesquite, NM

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
401474	624-01	1	500	X				X					8-7-15	10:48
↓	624-01	1	500	X				X					8-7-15	10:48
475-1	624-02	1	500	X				X					8-7-15	12:13
↓	624-02	1	500	X				X					8-7-15	12:13
624-04	624-04	1	500	X				X						
624-04	624-04	1	500	X				X						
624-05	624-05	1	500	X				X						
624-05	624-05	1	500	X				X						
624-06	624-06	1	500	X				X						
624-06	624-06	1	500	X				X						
624-07	624-07	1	500	X				X						
624-07	624-07	1	500	X				X						
624-08	624-08	1	500	X				X						
624-08	624-08	1	500	X				X						
401476-1	624 Lagoon	1	500	X				X					8-7	9:32
↓	624 Lagoon	1	500	X				X					8-7	9:32

Relinquished By: *jms* Date: 8-7-15 Time: 12:30
 Relinquished By: *[Signature]* Date: 8-7-15 Time: 1630
 Relinquished By: *[Signature]* Date: 8-7-15 Time: 12:30
 Received By: *[Signature]* Date: 8-7-15 Time: 12:30
 Received at Laboratory By: *[Signature]* Date: 8/8/15 Time: 9:20

LAB USE ONLY	Field Code	# Containers	Volume/Amount	WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
MTBE 8021B/602														
BTEX 8021B/602														
TPH 418.1 / TX1005														
TX 1005 Extended (C35)														
PAH 8270C														
PAH 8270 (Low Level Analysis)														
Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7														
Nitrates EPA 300														
TKN SM 4500 NORG C														
Chloride EPA 300														
Total Dissolved Solids SM 2540 C MOD														
Turn Around Time														
Hold														

ANALYSIS REQUEST

Remarks: Lab Use Only Intact Y / N Headspace Y / N Temp 5/6 5/22 Log-in Review *[Signature]*

Dry Weight Basis Required *[Signature]*
 TRRP Report Required *[Signature]*



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

(Corrected Report)

Fernie
Dona Ana Dairies

Report Date: September 24, 2015

P.O. Box 10
Mesquite, NM, 88048

Work Order: 15090233



Project Location: Various Dairies, Dona Ana County, NM
Project Name: Dona Ana Dairies Consortium

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
403832	DAD - 16	Water	2015-09-02	10:53	2015-09-02
403833	DAD - 17	Water	2015-09-02	10:02	2015-09-02
403834	DAD - 18	Water	2015-09-02	09:35	2015-09-02
403835	DAD - 19	Water	2015-09-02	11:24	2015-09-02
403836	DAD - 20	Water	2015-09-02	12:47	2015-09-02
403837	DAD - 21	Water	2015-09-02	13:15	2015-09-02
403838	DAD - 22	Water	2015-09-02	11:57	2015-09-02
403839	DAD - 09	Water	2015-09-02	13:31	2015-09-02

Report Corrections (Work Order 15090233)

- 9/24/15: Corrected Description for samples 403837-403838.

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested,

company, sampler, contacts and any special remarks.

This report consists of a total of 30 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

A handwritten signature in black ink that reads "Blair Leftwich". The signature is written in a cursive style and is underlined with a thick, dark line.

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Dona Ana Dairies Consortium were received by TraceAnalysis, Inc. on 2015-09-02 and assigned to work order 15090233. Samples for work order 15090233 were received intact at a temperature of 3.0 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	105385	2015-09-02 at 17:47	124624	2015-09-02 at 17:47
NO3 (IC)	E 300.0	105385	2015-09-02 at 17:47	124624	2015-09-02 at 17:47
TDS	SM 2540C	105443	2015-09-04 at 14:00	124688	2015-09-04 at 14:00
TDS	SM 2540C	105486	2015-09-08 at 15:35	124735	2015-09-08 at 15:35
TKN	SM 4500-NH3 B,C	105581	2015-09-14 at 09:40	124837	2015-09-14 at 12:45
TKN	SM 4500-NH3 B,C	105619	2015-09-15 at 09:50	124871	2015-09-15 at 13:20

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15090233 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

This report contains 1 analytes that have been manually integrated.

Sample	Analyte	Flag	Comment
1. 124624 Method Blank-1	Nitrate-N	MI4	Instrument software integrated improperly

Analytical Report

Sample: 403832 - DAD - 16

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	424	424	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403832 - DAD - 16

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	Je,M14	1,4,5	2.72	2.72	<0.0387	mg/L	1	0.0387	0.5	0.0387

Sample: 403832 - DAD - 16

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124688 Date Analyzed: 2015-09-04 Analyzed By: MC
 Prep Batch: 105443 Sample Preparation: 2015-09-04 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	1970	1970	<125	mg/L	50	125	2.5	2.5

Sample: 403832 - DAD - 16

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124837 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105581 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,6,7	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403833 - DAD - 17

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	270	270	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 403833 - DAD - 17

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	Je,MI4,U	1,4,5	<0.0387	<0.500	<0.0387	mg/L	1	0.0387	0.5	0.0387

Sample: 403833 - DAD - 17

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124688 Date Analyzed: 2015-09-04 Analyzed By: MC
 Prep Batch: 105443 Sample Preparation: 2015-09-04 Prepared By: MC

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	1460	1460	<125	mg/L	50	125	2.5	2.5

Sample: 403833 - DAD - 17

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124837 Date Analyzed: 2015-09-14 Analyzed By: CF
 Prep Batch: 105581 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403834 - DAD - 18

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	741	741	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403834 - DAD - 18

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	Je,M14	1,4,5	8.47	8.47	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403834 - DAD - 18

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124735 Date Analyzed: 2015-09-08 Analyzed By: MC
 Prep Batch: 105486 Sample Preparation: 2015-09-08 Prepared By: MC

continued . . .

sample 403834 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	2960	2960	<125	mg/L	50	125	2.5	2.5

Sample: 403834 - DAD - 18

Laboratory: Lubbock

Analysis: TKN

QC Batch: 124871

Prep Batch: 105619

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-09-15

Sample Preparation:

Prep Method: N/A

Analyzed By: CF

Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,6,7	3.50	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403835 - DAD - 19

Laboratory: El Paso

Analysis: Chloride (IC)

QC Batch: 124624

Prep Batch: 105385

Analytical Method: E 300.0

Date Analyzed: 2015-09-02

Sample Preparation: 2015-09-02

Prep Method: N/A

Analyzed By: JR

Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	1000	1000	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 403835 - DAD - 19

Laboratory: El Paso

Analysis: NO3 (IC)

QC Batch: 124624

Prep Batch: 105385

Analytical Method: E 300.0

Date Analyzed: 2015-09-02

Sample Preparation: 2015-09-02

Prep Method: N/A

Analyzed By: JR

Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	Je,M14	1,4,5	36.9	36.9	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403835 - DAD - 19

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124735 Date Analyzed: 2015-09-08 Analyzed By: MC
 Prep Batch: 105486 Sample Preparation: 2015-09-08 Prepared By: MC

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	3260	3260	<125	mg/L	50	125	2.5	2.5

Sample: 403835 - DAD - 19

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124871 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105619 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403836 - DAD - 20

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	817	817	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403836 - DAD - 20

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	Je,MI4	1,4,5	21.0	21.0	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403836 - DAD - 20

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124735 Date Analyzed: 2015-09-08 Analyzed By: MC
 Prep Batch: 105486 Sample Preparation: 2015-09-08 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2400	2400	<125	mg/L	50	125	2.5	2.5

Sample: 403836 - DAD - 20

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124871 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105619 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403837 - DAD - 21

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

continued ...

sample 403837 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	720	720	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403837 - DAD - 21

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	Je,MI4	1,4,5	4.27	4.27	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403837 - DAD - 21

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124735 Date Analyzed: 2015-09-08 Analyzed By: MC
 Prep Batch: 105486 Sample Preparation: 2015-09-08 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	2100	2100	<125	mg/L	50	125	2.5	2.5

Sample: 403837 - DAD - 21

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124871 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105619 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,6,7	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403838 - DAD - 22

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	948	948	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403838 - DAD - 22

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	Je,MI4	1,4,5	6.35	6.35	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 403838 - DAD - 22

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124735 Date Analyzed: 2015-09-08 Analyzed By: MC
 Prep Batch: 105486 Sample Preparation: 2015-09-08 Prepared By: MC

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2500	2500	<125	mg/L	50	125	2.5	2.5

Sample: 403838 - DAD - 22

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124871 Date Analyzed: 2015-09-15 Analyzed By: CF
 Prep Batch: 105619 Sample Preparation: Prepared By: CF

continued . . .

sample 403838 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 403839 - DAD - 09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	536	536	<0.186	mg/L	20	0.186	2.5	0.0093

Sample: 403839 - DAD - 09

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR
 Prep Batch: 105385 Sample Preparation: 2015-09-02 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	Je,MI4	1,4,5	7.22	7.22	<0.0387	mg/L	1	0.0387	0.5	0.0387

Sample: 403839 - DAD - 09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124735 Date Analyzed: 2015-09-08 Analyzed By: MC
 Prep Batch: 105486 Sample Preparation: 2015-09-08 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
			Result	Result	Result					
Total Dissolved Solids		1,4,5	1920	1920	<125	mg/L	50	125	2.5	2.5

Sample: 403839 - DAD - 09

Laboratory: Lubbock

Analysis: TKN

QC Batch: 124871

Prep Batch: 105619

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-09-15

Sample Preparation:

Prep Method: N/A

Analyzed By: CF

Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
			Result	Result	Result					
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124624
Prep Batch: 105385Date Analyzed: 2015-09-02
QC Preparation: 2015-09-02Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124624
Prep Batch: 105385Date Analyzed: 2015-09-02
QC Preparation: 2015-09-02Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	Je,MI4	1,4,5	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124688
Prep Batch: 105443Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 124735
Prep Batch: 105486Date Analyzed: 2015-09-08
QC Preparation: 2015-09-08Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<2.50	mg/L	2.5

Method Blank (1)QC Batch: 124837
Prep Batch: 105581Date Analyzed: 2015-09-14
QC Preparation: 2015-09-14Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Method Blank (1)QC Batch: 124871
Prep Batch: 105619Date Analyzed: 2015-09-15
QC Preparation: 2015-09-15Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 403833QC Batch: 124688
Prep Batch: 105443Date Analyzed: 2015-09-04
QC Preparation: 2015-09-04Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	1420	1460	mg/L	50	3	10

Duplicate (1) Duplicated Sample: 403989QC Batch: 124735
Prep Batch: 105486Date Analyzed: 2015-09-08
QC Preparation: 2015-09-08Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	2160	2060	mg/L	50	5	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124624
 Prep Batch: 105385

Date Analyzed: 2015-09-02
 QC Preparation: 2015-09-02

Analyzed By: JR
 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	25.0	mg/L	1	25.0	<0.00930	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	25.0	mg/L	1	25.0	<0.00930	100	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124624
 Prep Batch: 105385

Date Analyzed: 2015-09-02
 QC Preparation: 2015-09-02

Analyzed By: JR
 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.91	mg/L	1	5.00	<0.0387	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	4.90	mg/L	1	5.00	<0.0387	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124688
 Prep Batch: 105443

Date Analyzed: 2015-09-04
 QC Preparation: 2015-09-04

Analyzed By: MC
 Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	998	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,5	1000	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124735
 Prep Batch: 105486

Date Analyzed: 2015-09-08
 QC Preparation: 2015-09-08

Analyzed By: MC
 Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	997	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,5	998	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124837
 Prep Batch: 105581

Date Analyzed: 2015-09-14
 QC Preparation: 2015-09-14

Analyzed By: CF
 Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	46.2	mg/L	1	50.0	<1.18	92	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	46.9	mg/L	1	50.0	<1.18	94	82.8 - 115	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124871
 Prep Batch: 105619

Date Analyzed: 2015-09-15
 QC Preparation: 2015-09-15

Analyzed By: CF
 Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	46.2	mg/L	1	50.0	<1.18	92	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	47.6	mg/L	1	50.0	<1.18	95	82.8 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 403838QC Batch: 124624
Prep Batch: 105385Date Analyzed: 2015-09-02
QC Preparation: 2015-09-02Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	2320	mg/L	55.6	1390	948	99	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	2350	mg/L	55.6	1390	948	101	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403838QC Batch: 124624
Prep Batch: 105385Date Analyzed: 2015-09-02
QC Preparation: 2015-09-02Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	282	mg/L	55.6	278	6.35	99	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	282	mg/L	55.6	278	6.35	99	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403833QC Batch: 124837
Prep Batch: 105581Date Analyzed: 2015-09-14
QC Preparation: 2015-09-14Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	46.2	mg/L	1	50.0	<1.18	92	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	47.6	mg/L	1	50.0	<1.18	95	77.9 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 403962

QC Batch: 124871
 Prep Batch: 105619

Date Analyzed: 2015-09-15
 QC Preparation: 2015-09-15

Analyzed By: CF
 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (CCV-1)

QC Batch: 124624

Date Analyzed: 2015-09-02

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.3	97	90 - 110	2015-09-02

Standard (CCV-1)

QC Batch: 124624

Date Analyzed: 2015-09-02

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.87	97	90 - 110	2015-09-02

Standard (CCV-2)

QC Batch: 124624

Date Analyzed: 2015-09-02

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.0	100	90 - 110	2015-09-02

Standard (CCV-2)

QC Batch: 124624

Date Analyzed: 2015-09-02

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.91	98	90 - 110	2015-09-02

Standard (CCV-3)

QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.7	99	90 - 110	2015-09-02

Standard (CCV-3)

QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.93	99	90 - 110	2015-09-02

Standard (CCV-4)

QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.7	99	90 - 110	2015-09-02

Standard (CCV-4)

QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.95	99	90 - 110	2015-09-02

Standard (CCV-5)

QC Batch: 124624 Date Analyzed: 2015-09-02 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.8	99	90 - 110	2015-09-02

Standard (CCV-5)

QC Batch: 124624

Date Analyzed: 2015-09-02

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.94	99	90 - 110	2015-09-02

Standard (ICV-1)

QC Batch: 124837

Date Analyzed: 2015-09-14

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.48	90	85 - 115	2015-09-14

Standard (CCV-1)

QC Batch: 124837

Date Analyzed: 2015-09-14

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.90	98	85 - 115	2015-09-14

Standard (ICV-1)

QC Batch: 124871

Date Analyzed: 2015-09-15

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-09-15

Standard (CCV-1)

QC Batch: 124871

Date Analyzed: 2015-09-15

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.90	98	85 - 115	2015-09-15

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-15-11	Lubbock
7		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.
U	The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

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TraceAnalysis, Inc.

Company Name: 15090 233

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D&H Petroleum & Environmental Services

Address: (Street, City, Zip)
1221 Tower Trail Ln, El Paso TX 79907

Contact Person:
Victor Ayala

Invoice to (if different from above):

Dona Ana Dairies, PO Box 10, Mesquite, NM 88048

Project #: Linda Armstrong 575-233-3620

Project Name: Dona Ana Dairies Consortium

Sampler Signature: *JMB*

Project Location (including state):
Various Dairies, Dona Ana County, NM

Project Location (including state):
Dona Ana Dairies Consortium

Sampler Signature: *JMB*

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD						SAMPLING		TIME	Turn Around Time	
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME			
403832-1	Dad-16	1	250	X						X				X	4-2-15	10:53	
+	-2	1	500	X						X				X		10:53	
403833-1	Dad-17	1	250	X						X				X		10:02	
+	-2	1	400	X						X				X		10:02	
403834-1	Dad-18	1	250	X						X				X		9:35	
+	-2	1	500	X						X				X		9:35	
403835-1	Dad-19	1	250	X						X				X		11:24	
+	-2	1	500	X						X				X		11:24	
403836-1	Dad-20	1	250	X						X				X		12:47	
+	-2	1	500	X						X				X		12:47	
403837-1	Dad-21	1	250	X						X				X		13:15	
+	-2	1	500	X						X				X		13:15	
403838-1	Dad-22	1	250	X						X				X		11:57	
+	-2	1	500	X						X				X		11:57	
403838-2	Dad-22	1	500	X						X				X		13:31	
403839-1	Dad-04	1	250	X						X				X		13:31	
+	-2	1	500	X						X				X		13:31	

Relinquished By: *JMB* Date: 9-2-15 Time: 15:47
Received By: MJC Date: 9-2-15 Time: 13:47
Intact (Y/N) *(Y)*
Headspace Y/N *(N)*
Temp *22/3*
Log-in Review *PH 9/2/15*
CA 1221

LAB Order ID # 15090233
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
Page 1 of 1
ANALYSIS REQUEST
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7
PAH 8270 (Low Level Analysis)
PAH 8270C
TX 1005 Extended (C35)
TPH 418.1 / TX1005
MTBE 8021B/602
BTEX 8021B/602
Total Dissolved Solids SM 2540 C MOD
Chloride EPA 300
TKN SM 4500 NORG C
Nitrates EPA 300
Total Dissolved Solids SM 2540 C MOD

Remarks: *on file 10/8*
1R3 1.7.2
Dry Weight Basis Required
TRRP Report Required
49367086



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
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 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Linda Armstrong
 Organ Dairy LLC

Report Date: August 19, 2015

P.O. Box 130
 Mesilla Park, NM, 88047

Work Order: 15081731



DP:
 Project Location: 12560 Stern Dr., Mesquite, NM
 Project Name: Organ Dairy

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
402366	126-4	Water	2015-08-17	11:11	2015-08-17
402367	126-5	Water	2015-08-17	11:31	2015-08-17
402368	126-7	Water	2015-08-17	10:52	2015-08-17
402369	126-9	Water	2015-08-17	12:50	2015-08-17
402370	126-12	Water	2015-08-17	12:20	2015-08-17
402371	126-13	Water	2015-08-17	10:39	2015-08-17

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 24 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

For inorganic analyses, the term MQL should actually read PQL.

Blair Leftwich

Dr. Blair Leftwich, Director
James Taylor, Assistant Director
Brian Pellam, Operations Manager

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Case Narrative

Samples for project Organ Dairy were received by TraceAnalysis, Inc. on 2015-08-17 and assigned to work order 15081731. Samples for work order 15081731 were received intact at a temperature of 3.00 C.

Samples were analyzed for the following tests using their respective methods.

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	104979	2015-08-17 at 18:18	124149	2015-08-17 at 18:18
NO3 (IC)	E 300.0	104979	2015-08-17 at 18:18	124149	2015-08-17 at 18:18
TDS	SM 2540C	104994	2015-08-18 at 14:50	124175	2015-08-18 at 14:50
TKN	SM 4500-NH3 B,C	104976	2015-08-18 at 11:20	124146	2015-08-18 at 14:00

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15081731 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 402366 - 126-4

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
 Prep Batch: 104979 Sample Preparation: 2015-08-17 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	573	573	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402366 - 126-4

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
 Prep Batch: 104979 Sample Preparation: 2015-08-17 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	18.4	18.4	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402366 - 126-4

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124175 Date Analyzed: 2015-08-18 Analyzed By: MC
 Prep Batch: 104994 Sample Preparation: 2015-08-18 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2490	2490	<125	mg/L	50	125	2.5	2.5

Sample: 402366 - 126-4

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124146 Date Analyzed: 2015-08-18 Analyzed By: CF
 Prep Batch: 104976 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402367 - 126-5

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
 Prep Batch: 104979 Sample Preparation: 2015-08-17 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	627	627	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402367 - 126-5

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
 Prep Batch: 104979 Sample Preparation: 2015-08-17 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	18.8	18.8	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402367 - 126-5

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124175 Date Analyzed: 2015-08-18 Analyzed By: MC
 Prep Batch: 104994 Sample Preparation: 2015-08-18 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2860	2860	<125	mg/L	50	125	2.5	2.5

Sample: 402367 - 126-5

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124146 Date Analyzed: 2015-08-18 Analyzed By: CF
 Prep Batch: 104976 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402368 - 126-7

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
 Prep Batch: 104979 Sample Preparation: 2015-08-17 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	559	559	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402368 - 126-7

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
 Prep Batch: 104979 Sample Preparation: 2015-08-17 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	23.0	23.0	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402368 - 126-7

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124175 Date Analyzed: 2015-08-18 Analyzed By: MC
 Prep Batch: 104994 Sample Preparation: 2015-08-18 Prepared By: MC

continued . . .

sample 402368 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2610	2610	<125	mg/L	50	125	2.5	2.5

Sample: 402368 - 126-7

Laboratory: Lubbock

Analysis: TKN

QC Batch: 124146

Prep Batch: 104976

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-08-18

Sample Preparation:

Prep Method: N/A

Analyzed By: CF

Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402369 - 126-9

Laboratory: El Paso

Analysis: Chloride (IC)

QC Batch: 124149

Prep Batch: 104979

Analytical Method: E 300.0

Date Analyzed: 2015-08-17

Sample Preparation: 2015-08-17

Prep Method: N/A

Analyzed By: JR

Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	880	880	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402369 - 126-9

Laboratory: El Paso

Analysis: NO3 (IC)

QC Batch: 124149

Prep Batch: 104979

Analytical Method: E 300.0

Date Analyzed: 2015-08-17

Sample Preparation: 2015-08-17

Prep Method: N/A

Analyzed By: JR

Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	J	1,4,6	1.40	<2.50	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402369 - 126-9

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124175 Date Analyzed: 2015-08-18 Analyzed By: MC
 Prep Batch: 104994 Sample Preparation: 2015-08-18 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2850	2850	<125	mg/L	50	125	2.5	2.5

Sample: 402369 - 126-9

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124146 Date Analyzed: 2015-08-18 Analyzed By: CF
 Prep Batch: 104976 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 402370 - 126-12

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
 Prep Batch: 104979 Sample Preparation: 2015-08-17 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	407	407	<0.0930	mg/L	10	0.0930	2.5	0.0093

Sample: 402370 - 126-12

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
 Prep Batch: 104979 Sample Preparation: 2015-08-17 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	3.49	3.49	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402370 - 126-12

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124175 Date Analyzed: 2015-08-18 Analyzed By: MC
 Prep Batch: 104994 Sample Preparation: 2015-08-18 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2240	2240	<125	mg/L	50	125	2.5	2.5

Sample: 402370 - 126-12

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124146 Date Analyzed: 2015-08-18 Analyzed By: CF
 Prep Batch: 104976 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	10.5	10.5	<1.18	mg/L	1	1.18	10	1.18

Sample: 402371 - 126-13

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
 Prep Batch: 104979 Sample Preparation: 2015-08-17 Prepared By: JR

continued ...

sample 402371 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	876	876	<0.465	mg/L	50	0.465	2.5	0.0093

Sample: 402371 - 126-13

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 124149 Date Analyzed: 2015-08-17 Analyzed By: JR
 Prep Batch: 104979 Sample Preparation: 2015-08-17 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,6	33.3	33.3	<0.194	mg/L	5	0.194	0.5	0.0387

Sample: 402371 - 126-13

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 124175 Date Analyzed: 2015-08-18 Analyzed By: MC
 Prep Batch: 104994 Sample Preparation: 2015-08-18 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	3100	3100	<125	mg/L	50	125	2.5	2.5

Sample: 402371 - 126-13

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 124146 Date Analyzed: 2015-08-18 Analyzed By: CF
 Prep Batch: 104976 Sample Preparation: Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 124146
Prep Batch: 104976Date Analyzed: 2015-08-18
QC Preparation: 2015-08-18Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.18	mg/L	1.18

Method Blank (1)

QC Batch: 124149
Prep Batch: 104979Date Analyzed: 2015-08-17
QC Preparation: 2015-08-17Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.00930	mg/L	0.0093

Method Blank (1)

QC Batch: 124149
Prep Batch: 104979Date Analyzed: 2015-08-17
QC Preparation: 2015-08-17Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.0387	mg/L	0.0387

Method Blank (1)

QC Batch: 124175
Prep Batch: 104994Date Analyzed: 2015-08-18
QC Preparation: 2015-08-18Analyzed By: MC
Prepared By: MC

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Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	<2.50	mg/L	2.5

Duplicates

Duplicate (1) Duplicated Sample: 402370

QC Batch: 124175
Prep Batch: 104994

Date Analyzed: 2015-08-18
QC Preparation: 2015-08-18

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2240	2240	mg/L	50	0	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 124146
Prep Batch: 104976Date Analyzed: 2015-08-18
QC Preparation: 2015-08-18Analyzed By: CF
Prepared By: CF

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Total Kjeldahl Nitrogen - N		2,3,7,8	46.2	mg/L	1	50.0	<1.18	92	82.8 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.18	90	82.8 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124149
Prep Batch: 104979Date Analyzed: 2015-08-17
QC Preparation: 2015-08-17Analyzed By: JR
Prepared By: JR

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Chloride		1,4,6	24.3	mg/L	1	25.0	<0.00930	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCSD			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Chloride		1,4,6	25.0	mg/L	1	25.0	<0.00930	100	90 - 110	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124149
Prep Batch: 104979Date Analyzed: 2015-08-17
QC Preparation: 2015-08-17Analyzed By: JR
Prepared By: JR

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Nitrate-N		1,4,6	4.92	mg/L	1	5.00	<0.0387	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	5.00	mg/L	1	5.00	<0.0387	100	90 - 110	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 124175
Prep Batch: 104994

Date Analyzed: 2015-08-18
QC Preparation: 2015-08-18

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	996	mg/L	10	1000	<25.0	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	999	mg/L	10	1000	<25.0	100	90 - 110	0	10

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 402365QC Batch: 124146
Prep Batch: 104976Date Analyzed: 2015-08-18
QC Preparation: 2015-08-18Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.18	91	77.9 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.18	88	77.9 - 115	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402365QC Batch: 124149
Prep Batch: 104979Date Analyzed: 2015-08-17
QC Preparation: 2015-08-17Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	1880	mg/L	55.6	1390	489	100	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	1890	mg/L	55.6	1390	489	101	80 - 120	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 402365QC Batch: 124149
Prep Batch: 104979Date Analyzed: 2015-08-17
QC Preparation: 2015-08-17Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	274	mg/L	55.6	278	<0.523	98	80 - 120

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	276	mg/L	55.6	278	<0.523	99	80 - 120	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Calibration Standards

Standard (ICV-1)

QC Batch: 124146

Date Analyzed: 2015-08-18

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.48	90	85 - 115	2015-08-18

Standard (CCV-1)

QC Batch: 124146

Date Analyzed: 2015-08-18

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.48	90	85 - 115	2015-08-18

Standard (CCV-1)

QC Batch: 124149

Date Analyzed: 2015-08-17

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.3	97	90 - 110	2015-08-17

Standard (CCV-1)

QC Batch: 124149

Date Analyzed: 2015-08-17

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.93	99	90 - 110	2015-08-17

Standard (CCV-2)

QC Batch: 124149

Date Analyzed: 2015-08-17

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.5	98	90 - 110	2015-08-17

Standard (CCV-2)

QC Batch: 124149

Date Analyzed: 2015-08-17

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.97	99	90 - 110	2015-08-17

Standard (CCV-3)

QC Batch: 124149

Date Analyzed: 2015-08-17

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.8	99	90 - 110	2015-08-17

Standard (CCV-3)

QC Batch: 124149

Date Analyzed: 2015-08-17

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.97	99	90 - 110	2015-08-17

Standard (CCV-4)

QC Batch: 124149

Date Analyzed: 2015-08-17

Analyzed By: JR

Report Date: August 19, 2015

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Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.5	98	90 - 110	2015-08-17

Standard (CCV-4)

QC Batch: 124149

Date Analyzed: 2015-08-17

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.97	99	90 - 110	2015-08-17

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.0250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0833	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	2.50	Pass

Appendix

Report Definitions

Name	Definition
MDL	Method Detection Limit
MQL	Minimum Quantitation Limit
SDL	Sample Detection Limit

Laboratory Certifications

C	Certifying Authority	Certification Number	Laboratory Location
-	NCTRCA	WFWB384444Y0909	TraceAnalysis
-	DBE	VN 20657	TraceAnalysis
-	HUB	1752439743100-86536	TraceAnalysis
-	WBE	237019	TraceAnalysis
1	L-A-B	L2418.01	El Paso
2	L-A-B	L2418	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8		2014-018	Lubbock

Standard Flags

F	Description
B	Analyte detected in the corresponding method blank above the method detection limit
H	Analyzed out of hold time
J	Estimated concentration
Jb	The analyte is positively identified and the value is approximated between the SDL and MQL. Sample contains less than ten times the concentration found in the method blank. The result should be considered non-detect to the SDL.
Je	Estimated concentration exceeding calibration range.
MI1	Split peak or shoulder peak
MI2	Instrument software did not integrate
MI3	Instrument software misidentified the peak
MI4	Instrument software integrated improperly
MI5	Baseline correction
Qc	Calibration check outside of laboratory limits.
Qr	RPD outside of laboratory limits
Qs	Spike recovery outside of laboratory limits.
Qsr	Surrogate recovery outside of laboratory limits.

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

Please note, each attachment may consist of more than one page.

Company Name: 1508131 Trace Analysis, Inc. Phone #: 915-859-8150
 Lubbock, TX 79424 Fax #: 915-859-4944
 Tel (806) 794-1296 Paso, TX 79932
 Fax (806) 794-1298 Tel (915) 585-3443

D&H Petroleum & Environmental Services
 Address: (Street, City, Zip) 1221 Tower Trail Ln., El Paso, Texas 79907
 Contact Person: Victor Ayala E-mail: vayala@dhpump.com
 Invoice to (if different from above): Organ Dairy

Project Location (including state): Organ Dairy, 12560 Stern Drive, Mesquite, NM
 Project #: 126-4
 Project Name: Organ Dairy
 Sampler Signature: *[Signature]*

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING	
				WATER	AIR	SLUDGE	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
126-4	126-4	1	500	X			X	X	X	X	8-17-15	11:11
126-5	126-5	1	500	X			X	X	X	X		11:31
126-7	126-7	1	500	X			X	X	X	X		10:52
126-9	126-9	1	500	X			X	X	X	X		12:50
126-12	126-12	1	500	X			X	X	X	X		12:20
126-13	126-13	1	500	X			X	X	X	X		10:39
126-13	126-13	1	500	X			X	X	X	X		10:39
126-13	126-13	1	500	X			X	X	X	X		10:39

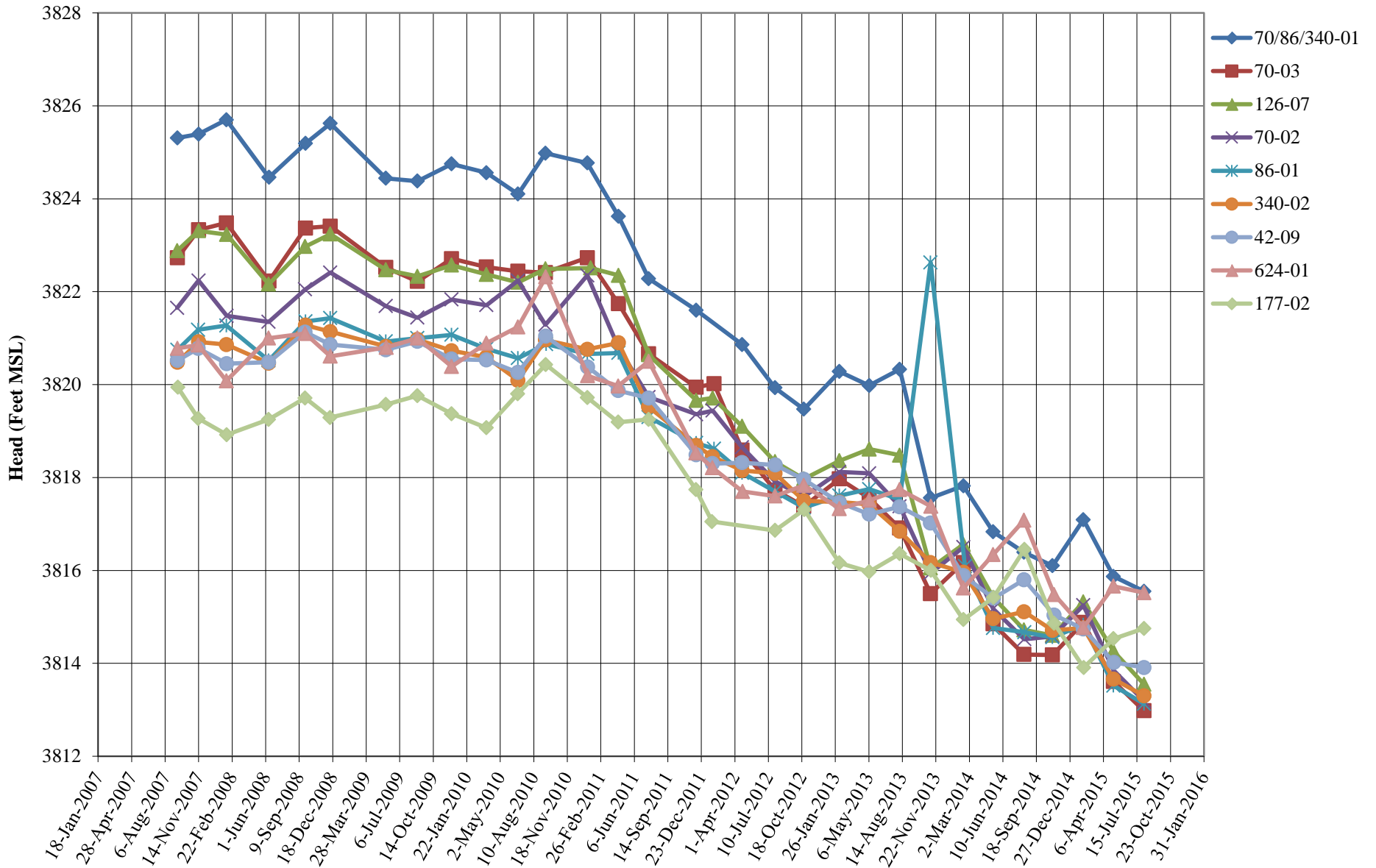
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 Received By: *[Signature]* Date: 8-17-15 Time: 13:55
 Lab Use Only: Intact Y N
 Headspace Y N
 Temp *22.2* °C
 Log-in Review *[Signature]*
 Remarks: *SM JEL*
 Dry Weight Basis Required
 TRRP Report Required

LAB Order ID # 15081731
 ANALYSIS REQUEST
 Turn Around Time
 Hold
 Phosphorus SM 4500
 Total Dissolved Solids SM 2540 C MOD
 Chloride EPA 300.0
 Total Kjeldahl Nitrogen SM 4500 NORG C
 Nitrates EPA 300
 Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7
 PAH 8270 (Low Level Analysis)
 PAH 8270C
 TX 1005 Extended (C35)
 TPH 418.1 / TX1005
 BTEX 8021B/602
 MTBE 8021B/602

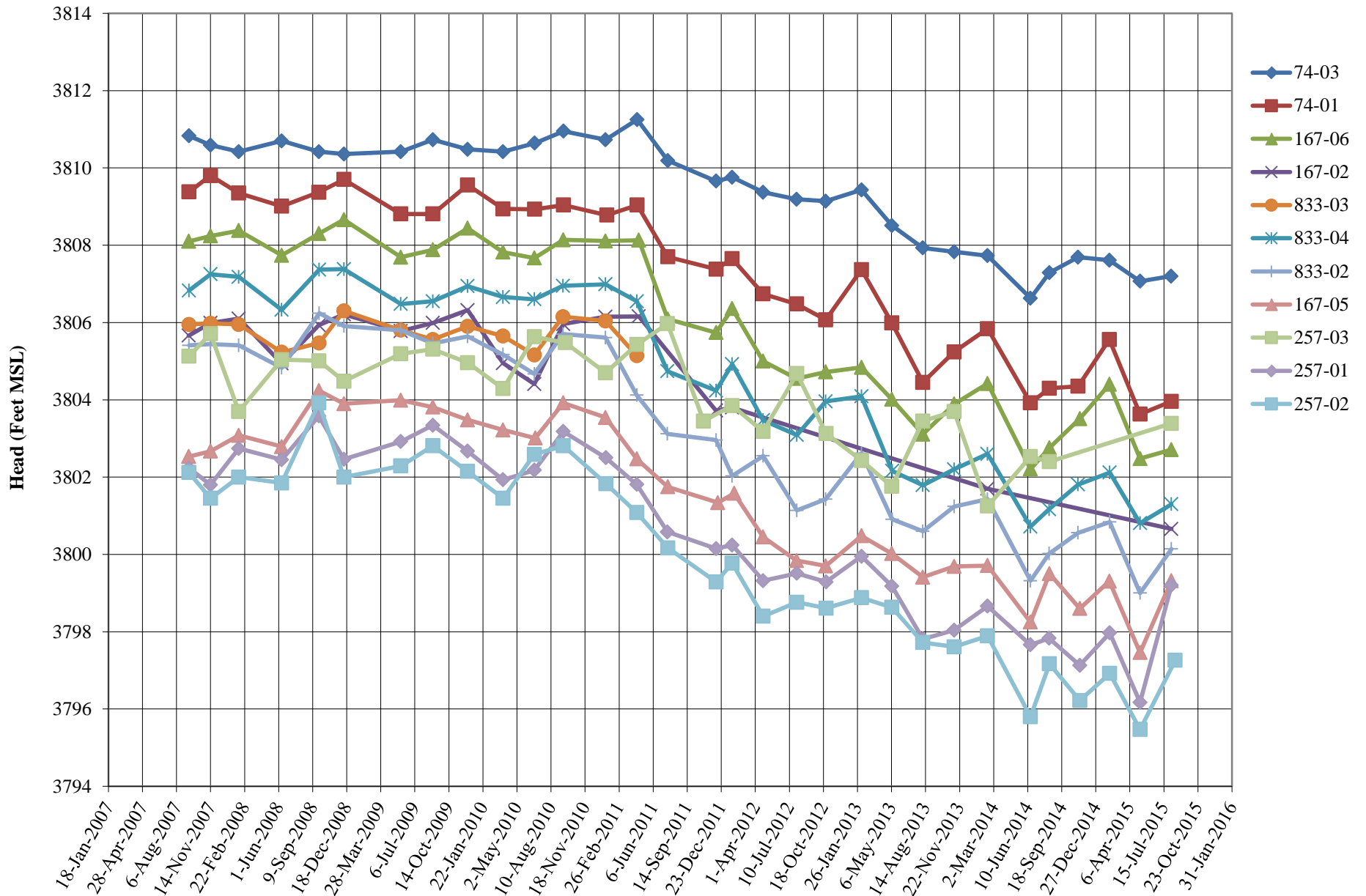
8-17-15 LS 49367075

**APPENDIX C
HYDROGRAPHS**

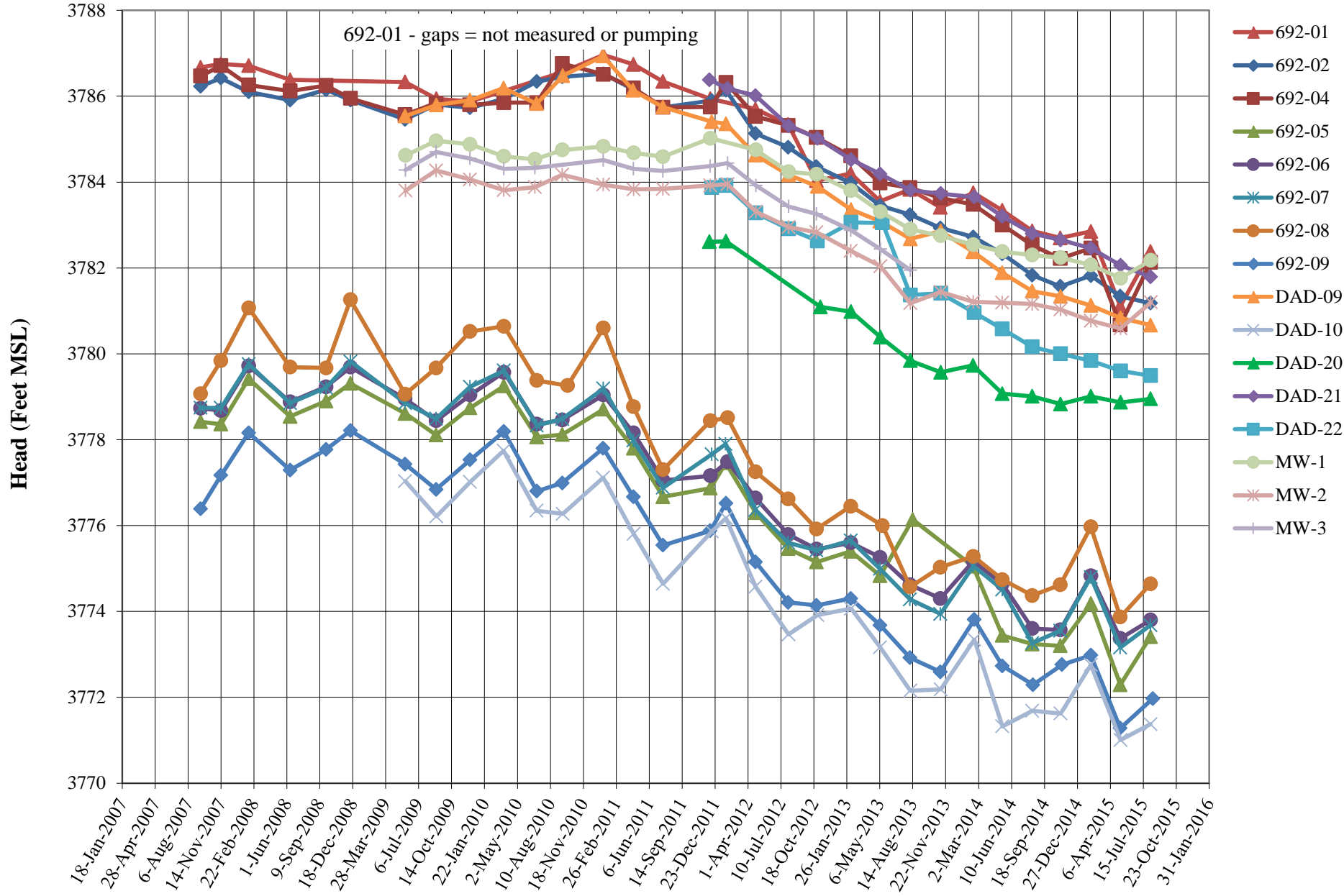
HYDROGRAPHS FOR DP MONITORING WELLS NORTHERN PORTION DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



HYDROGRAPHS FOR DP MONITORING WELLS CENTRAL PORTION DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

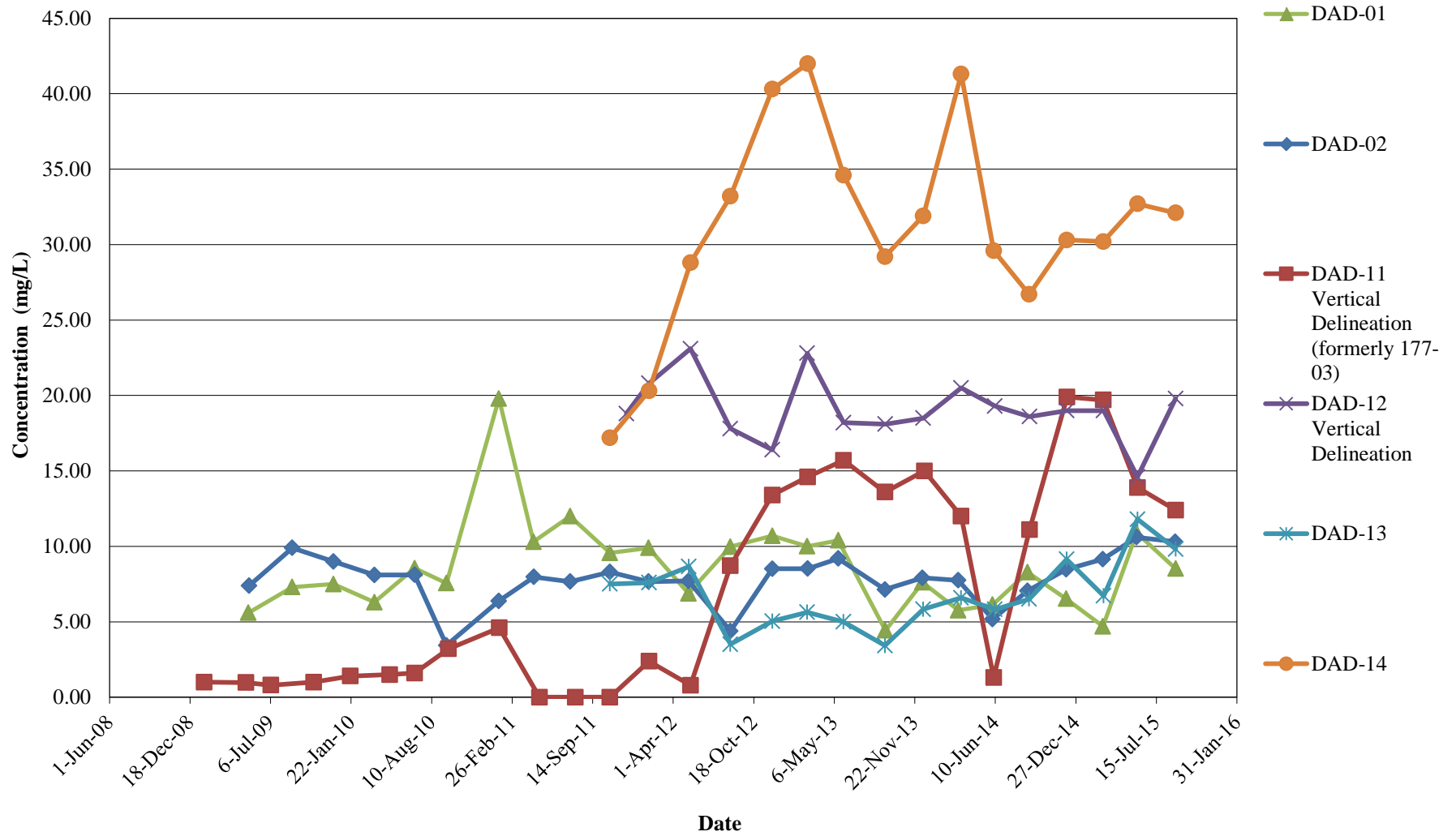


HYDROGRAPHS FOR DP MONITORING WELLS SOUTHERN PORTION DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

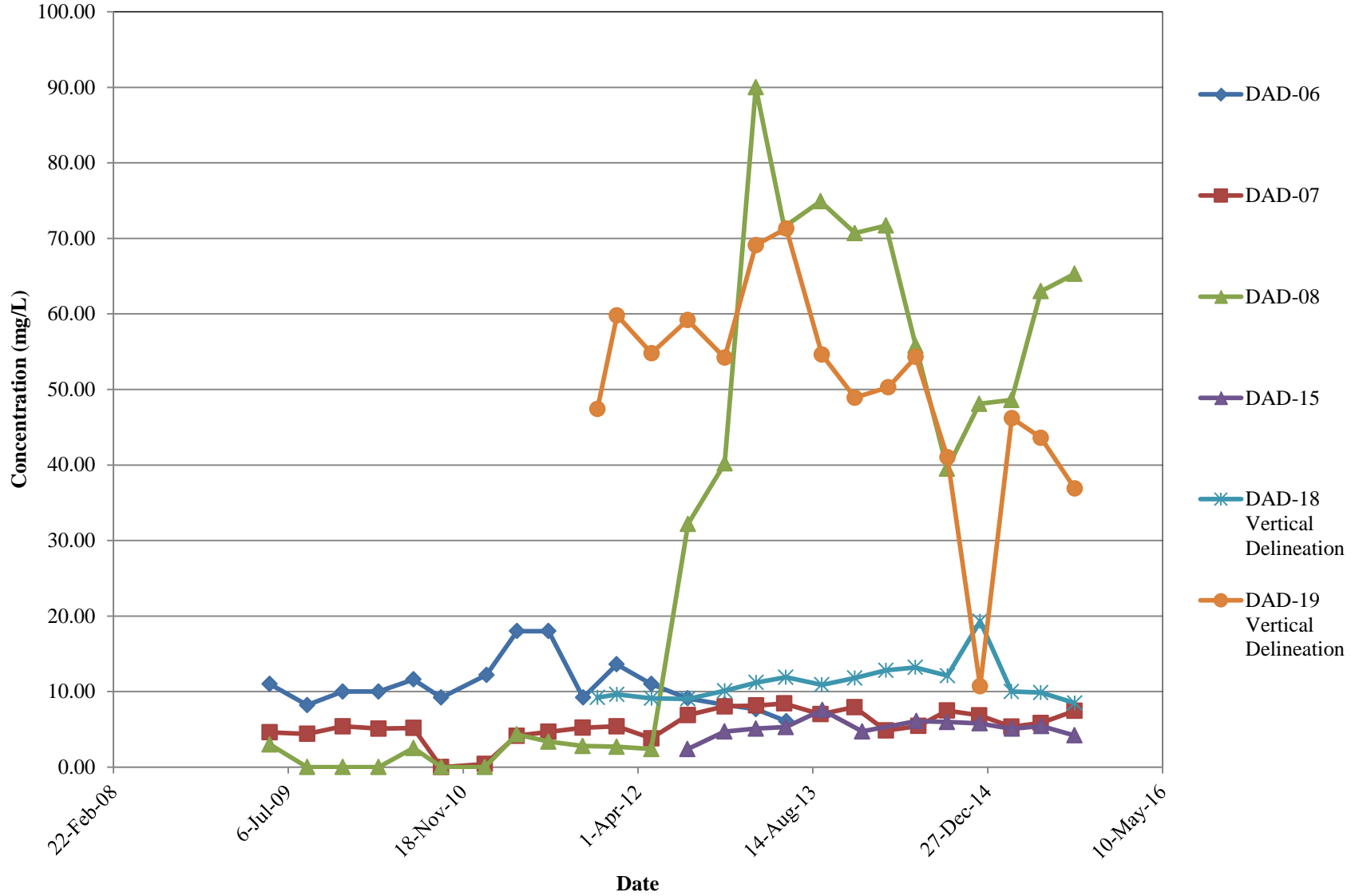


**APPENDIX D
CONCENTRATION TRENDS**

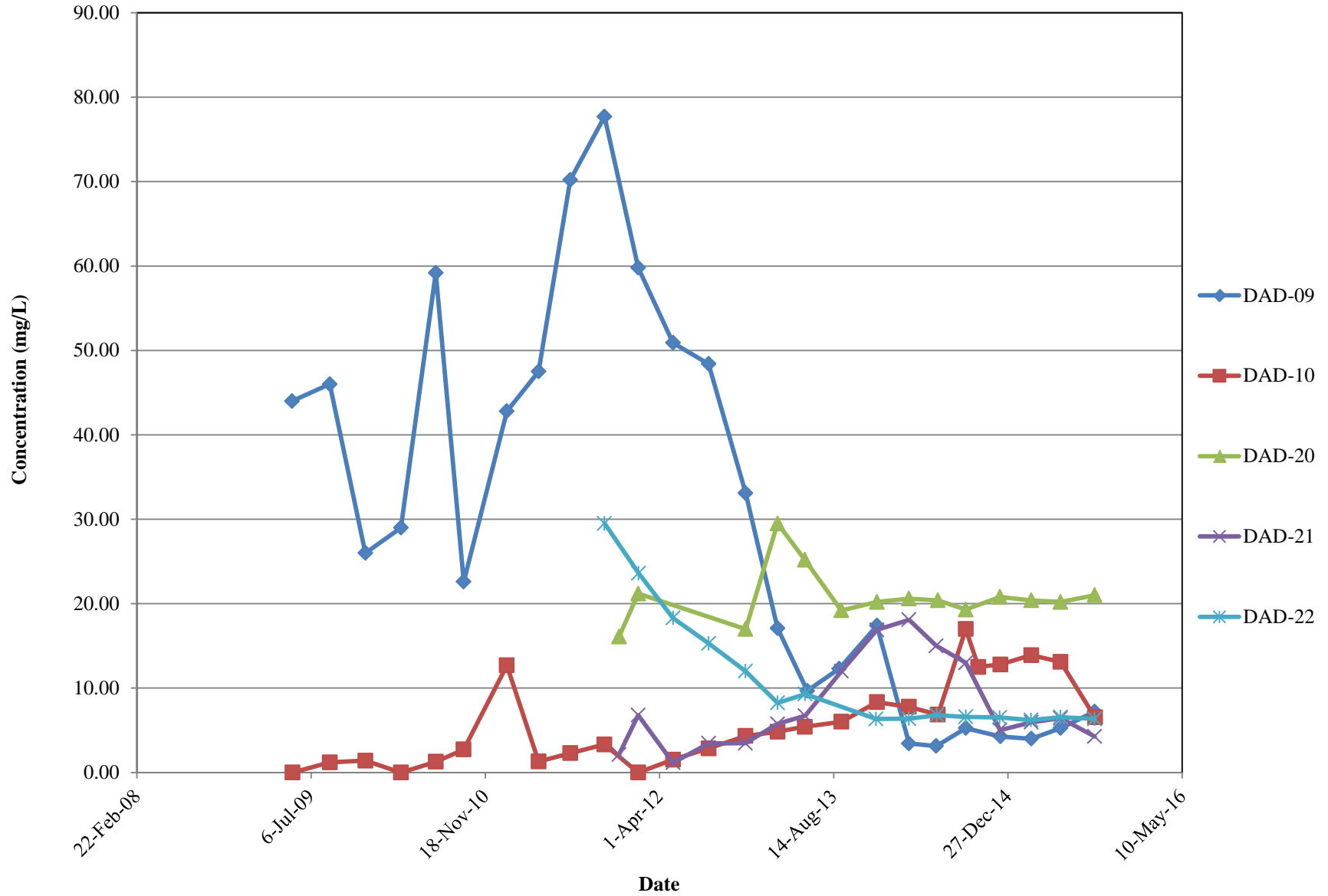
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DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



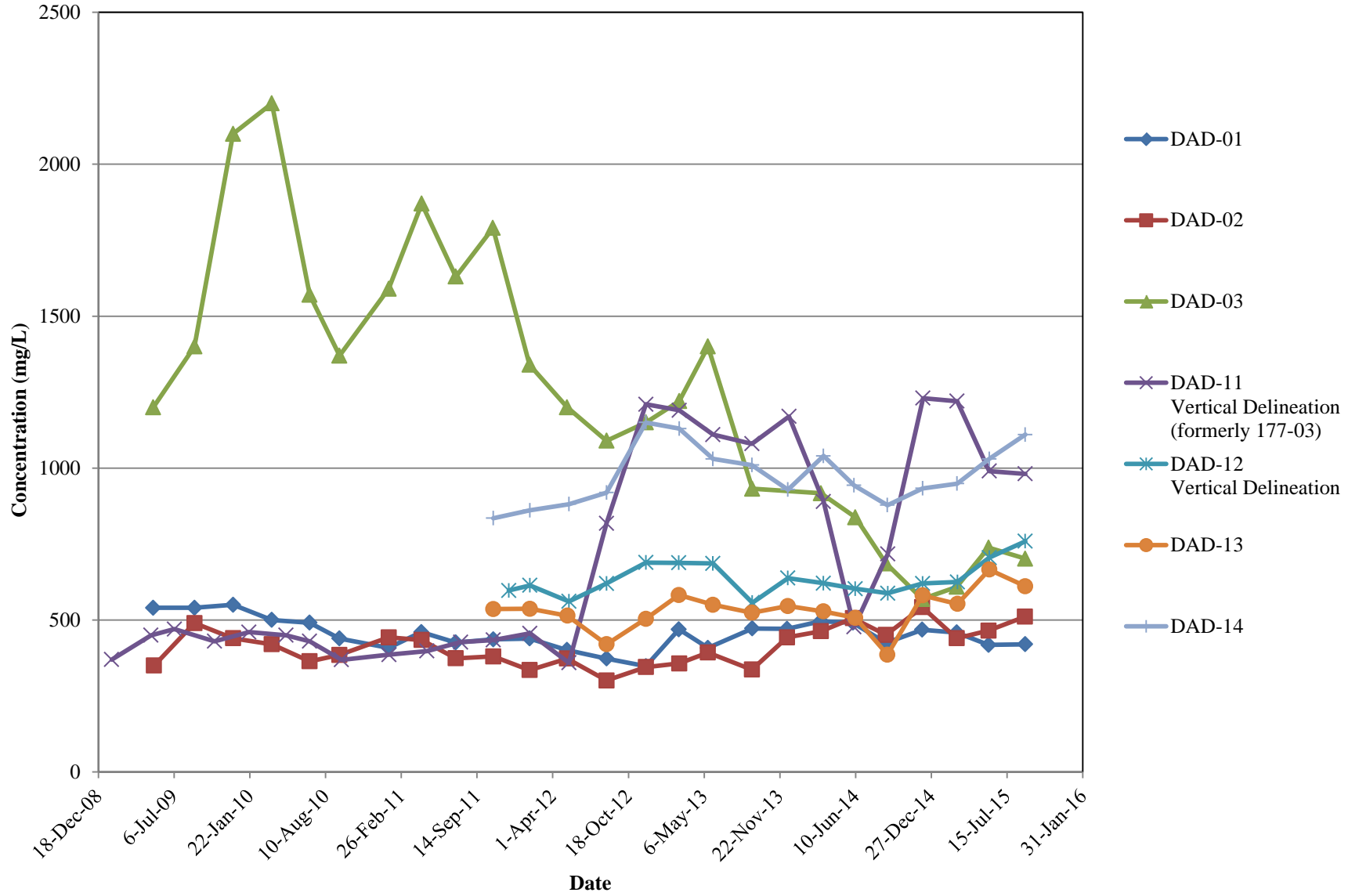
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DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



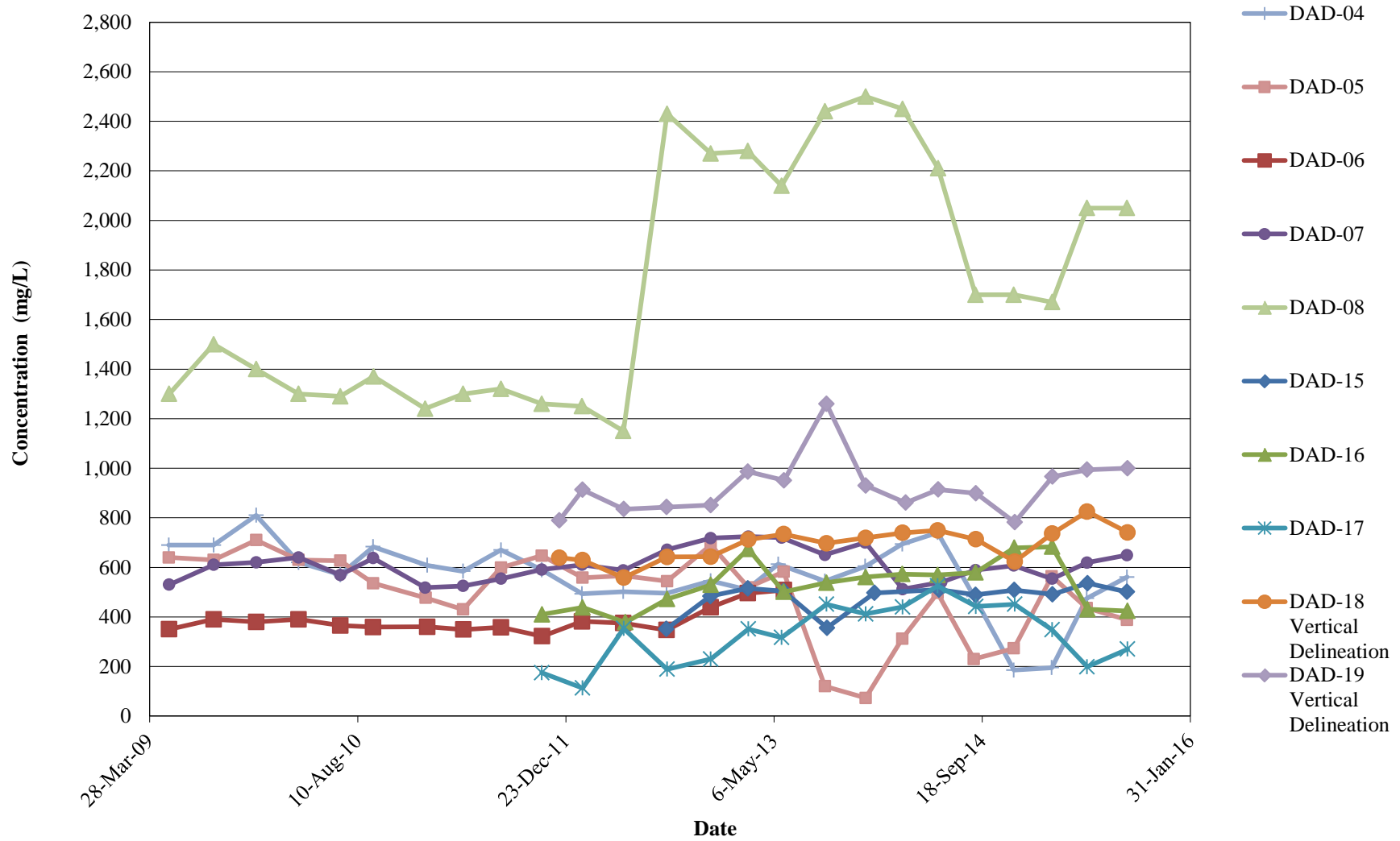
**NITRATE CONCENTRATION TRENDS
IN SELECT SOUTHERN DAD WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**CHLORIDE CONCENTRATION TRENDS
NORTHERN DAD WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**CHLORIDE CONCENTRATION TRENDS
CENTRAL DAD MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**CHLORIDE CONCENTRATION TRENDS
SOUTHERN DAD WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

