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August 28, 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 written over the typed name.

Teri McMillan
Project Manager

A handwritten signature in blue ink, appearing to read 'Jay Snyder', is written over the typed 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
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August 2015

EA Project No. 1464103.0008



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QUARTERLY GROUNDWATER MONITORING REPORT DOÑA ANA DAIRIES MESQUITE, NEW MEXICO

Prepared for:

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

Teri McMillan
Project Manager

8/28/2015

Date

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

Jay Snyder
Senior Hydrogeologist

8/28/2015

Date

August 2015

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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 May 6 through May 7, 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 May 12, 2015.
- On May 11 through May 29, 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 currently being conducted.

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 May 6 through May 7, 2015, representatives from D&H gauged the DP and AP monitoring wells with an electronic water level indicator. Several wells were re-gauged on May 12, 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 May 27 through May 29, 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 with new disposable bailers and rope from each well, if practicable, prior to sampling, unless the well contained insufficient water.

D&H sampled the DP wells from May 11 through May 28, 2015. Prior to sampling, the DP wells were purged three well volumes, if practicable, by hand-bailing with new disposable bailers, by pumping with a submersible pump and new polyethylene tubing, or pumping with a dedicated pump and tubing.

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. 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 13.52 feet below top of casing (ft TOC) in abatement well DAD-03 to 133.05 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, central, and southern areas when compared to the monitoring event conducted in March 2015 (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 10 of the 21 AP monitoring wells sampled. The AP wells that had nitrate concentrations above standards are DAD-01, DAD-02, DAD-08, DAD-10, DAD-11 (vertical delineation well), DAD-12 (vertical delineation well), DAD-13, 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 except in well DAD-17 which had a chloride concentration of 199 mg/L which is below the NMWQCC standard of 250 mg/L.

Nitrate concentrations decreased in wells DAD-04, DAD-05, DAD-10, DAD-11, DAD-12, DAD-17, DAD-18, DAD-19, and DAD-20, while nitrate concentrations increased in wells DAD-01, DAD-02, DAD-07, DAD-08, DAD-09, DAD-13, DAD-14, DAD-15, DAD-16, DAD-21, and DAD-22. The nitrate concentration in Well DAD-03 remained below detection limits. Well DAD-05 saw the largest decrease in nitrate concentrations decreasing from 10.5 mg/L in March 2015 to 4.48 mg/L for this monitoring event. Well DAD-08 increased from 48.6 mg/L in March 2015 to 63.0 mg/L. Nitrate concentrations in the AP wells ranged from below detection limits at <0.0470 mg/L in well DAD-03 to 63.0 mg/L in well DAD-08 for this event.

Chloride concentrations in the AP wells range from 199 mg/L in well DAD-17 to 2,050 mg/L in well DAD-08 for this event, and TDS ranged from 1,540 mg/L in well DAD-02 to 5,840 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 this monitoring event. The upgradient well (Northern Land Application well (70/86/340-01) had a nitrate concentration of 8.19 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, however, eastern cross-gradient well DAD-01 has a nitrate concentration of 10.9 mg/L which is slightly above the standard. 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, decreased slightly from 7.61 mg/L in February 2015 to 6.92 mg/L, below NMWQCC standards, for this 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 3,060 mg/L and 7,900 mg/L, respectively.

Central Portion

The highest nitrate concentrations were observed in Big Sky Dairy well 833-09 at a concentration of 123 mg/L. The upgradient extent of the nitrate plume is defined in the central portion by Buena Vista Dairy II well 74-03; 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, 167-02, DAD-16, 167-08, 167-09, 167-05, and 833-10 where 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, with the exception of a notably lower nitrate concentration in well 833-06 and higher concentrations in samples collected from wells 257-01 and DAD-08.

Chloride and TDS concentrations are above standards in all wells within the central portion with

the exception of chloride in well DAD-17. The highest chloride and TDS concentrations were observed at well DAD-08 at 2,050 mg/L and 833-07 at 1,320 mg/L. 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 of 10 mg/L, with the exception of well DAD-10 which had a concentration of 13.1 mg/L during this sampling event.

In the shallow perched aquifer, the nitrate plume is not defined downgradient (southwest). The nitrate concentration in AP well DAD-20 was above NMWQCC standard (10 mg/L) at 20.2 mg/L. AP wells DAD-09, DAD-21, and DAD-22 remained below standards for this event at 5.25 mg/L, 6.44 mg/L, and 6.56 mg/L, respectively. 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.

Chloride and TDS concentrations are above NMWQCC standards in all wells sampled within the southern portion. Chloride concentrations in this area ranged from 460 mg/L in Del Oro Dairy well 692-09 and 692-10 to 973 mg/L in well 692-02, while TDS ranged from 1,380 mg/L in Del Oro Dairy well 692-09 to 3,430 mg/L in Del Oro Dairy well 692-02. As discussed previously, upgradient Del Oro well 692-09 had a chloride concentration of 460 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 DP and DAD wells and sampling of 21 DAD wells and the DP wells that 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 13.52 to 133.05 feet below the top of casing.
- On average, water levels have decreased since February 2015.
- 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 11 of the 21 groundwater samples collected from the AP wells.
- Chloride was above the NMWQCC standard in all monitoring wells sampled, with the exception of well DAD-17 which had a chloride concentration of 199 mg/L.
- 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.

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	6-May-2015	424580.78	1510233.88	3871.43	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	6-May-2015	427320.92	1508461.05	3866.77	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	6-May-2015	432021.33	1503216.90	3876.14	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	6-May-2015	423258.23	1510546.24	3850.31	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	6-May-2015	422293.26	1510649.84	3842.62	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	6-May-2015	423613.62	1509986.47	3850.94	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	6-May-2015	425154.15	1510994.31	3893.35	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	6-May-2015	421492.11	1510198.45	3838.88	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	6-May-2015	423431.96	1510657.41	3857.37	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	6-May-2015	423303.43	1510585.63	3851.84	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	6-May-2015	423412.73	1511192.51	3861.25	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	6-May-2015	422798.94	1510922.20	3849.81	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	6-May-2015	421534.62	1511667.76	3864.96	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	6-May-2015	421792.08	1510881.53	3848.08	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	6-May-2015	421410.13	1511423.42	3858.48	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	6-May-2015	420641.08	1512051.57	3869.76	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	7-May-2015	419982.45	1511126.19	3844.68575	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	7-May-2015	419710.55	1514064.35	3898.46	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	7-May-2015	420021.61	1511465.15	3850.15	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	7-May-2015	420584.8	1513076.66	3891.52	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	7-May-2015	419994.93	1511197.91	3846.53	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	7-May-2015	419729.17	1512255.76	3865.25	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	12-May-2015	421426.39	1514460.4	3929.28	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	12-May-2015	420693.98	1515270.32	3939.31	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	7-May-2015	420972.09	1515423.88	3945.83	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	7-May-2015	419734.06	1512534.42	3873.10	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	6-May-2015	418826.21	1512131.46	3843.72	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	6-May-2015	417335.25	1512201.42	3835.45	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	6-May-2015	418542.24	1508104.07	3835.69	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	6-May-2015	419777.52	1509829.65	3835.27	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	6-May-2015	418502.42	1513981.08	3868.18	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	6-May-2015	418012.23	1514707.77	3872.25	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	6-May-2015	421461.78	1507712.04	3838.70		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	6-May-2015	417300.94	1512942.63	3834.27	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	6-May-2015	416738.21	1513246.51	3834.66	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	6-May-2015	416206.71	1513777.17	3835.75	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	6-May-2015	416796.99	1513733.28	3840.33	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	6-May-2015	417302.42	1514116.55	3852.16	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	6-May-2015	417301.84	1514765.63	3866.02	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	6-May-2015	415240.93	1515476.47	3858.91	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-May-2015	405434.93	1519310.15	3841.01	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-May-2015	404574.08	1519035.52	3820.58	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	6-May-2015	407163.61	1516711.72	3823.36	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-May-2015	405488.65	1519864.48	3853.17	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-May-2015	404747.71	1519885.3	3845.35	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-May-2015	402518.37	1518459.71	3818.94	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-May-2015	402518.18	1518936.72	3818.88	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	12-May-2015	402498.3	1519354.81	3819.64	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-May-2015	402981.73	1519415.73	3825.66	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-May-2015	402032.19	1519884.6	3827.60	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-May-2015	397947.44	1520446.03	3815.44	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-May-2015	404479.35	1519603.88	3834.84	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-May-2015	402562.23	1518480.34	3819.08	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-May-2015	399352.96	1519889.65	3817.96	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-May-2015	398473.95	1519259.34	3817.00	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	6-May-2015	399617.23	1521136.33	3839.55	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-May-2015	401200.32	1520639.92	3836.04	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	6-May-2015	401392.09	1521955.23	3867.06	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-May-2015	402898.52	1520659.33	3845.79	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-May-2015	399712.39	1522374.73	3865.51	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-May-2015	402219.48	1522652.04	3878.20	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-May-2015	399298.8	1522082.75	3860.70	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-May-2015	400535.64	1521938.23	3861.76	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-May-2015	398280.67	1520918.52	3826.27	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-May-2015	396715.89	1520283.6	3820.76	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-May-2015	395856.31	1520572.16	3820.33	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	6-May-2015	394728.34	1521030.29	3813.67	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-May-2015	397935.69	1518746.14	3814.74	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	6-May-2015	397678.36	1519948.22	3814.04	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
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-May-2015	373615.88	1531529.38	3844.13	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-May-2015	372984.72	1531192.1	3840.84	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-May-2015	372982.53	1531555.21	3842.66	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-May-2015	374807.26	1532403	3854.26	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-May-2015	375054.77	1532411.83	3856.48	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-May-2015	374944.88	1532019.81	3848.20	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-May-2015	375535.69	1531378.09	3843.09	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	6-May-2015	373575.83	1532395.09	3856.32	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-May-2015	372097.86	1532364.36	3843.03	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-May-2015	NM	NM	3843.25	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-May-2015	NM	NM	3841.24	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	7-May-2015	422970.59	1512825.76	3886.16	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	7-May-2015	413002.98	1517319.93	3875.82	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	7-May-2015	407721.31	1516497.85	3820.58	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	7-May-2015	404576.66	1517413.28	3821.47	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	7-May-2015	396712.87	1519102.06	3816.01	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	7-May-2015	404273.19	1522081.00	3887.71	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	7-May-2015	399270.18	1524320.88	3891.38	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	7-May-2015	395287.38	1522575.07	3849.15	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	7-May-2015	373259.30	1530905.70	3838.03	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	7-May-2015	372980.55	1532375.33	3854.93	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	7-May-2015	416211.35	1513814.71	3835.90	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				
DAD-12	7-May-2015	419731.54	1512274.77	3866.72	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				

**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-13	7-May-2015	417879.08	1515673.13	3898.44	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	7-May-2015	414923.33	1514695.26	3841.90	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				
DAD-15	7-May-2015	402001.22	1523552.04	3897.61	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	7-May-2015	400628.77	1519350.74	3819.28	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	7-May-2015	393991.97	1520267.94	3817.75	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	7-May-2015	395714.14	1520588.96	3821.59	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	7-May-2015	400164.47	1522027.92	3864.50	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	7-May-2015	371751.45	1531188.19	3833.27	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
	DAD-21				7-May-2015	374013.39
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			

**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-22	7-May-2015	373029.62	1530352.69	3827.14	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	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	
NMED Split	21-Mar-10	6.3	<5.0	500	1,780	NA	
	9-Dec-09	7.5	1.5	550	2,010	NA	
	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	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	NA	
	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	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	
	NMED Split	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	
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		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	
	NMED Split	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	
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	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	
	NMED Split	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	
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		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	
NMED Split	21-Mar-10	10	<2.0	390	1,390	NA	
	9-Dec-09	10	<1.0	380	1,380	NA	
	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	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	
	NMED Split	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	
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		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	
	NMED Split	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	
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	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
	NMED Split	29-Jun-10	59.2	<5.0	667	2,240
21-Mar-10		29	<5.0	290	1,190	NA
9-Dec-09		26	<5.0	300	1,190	NA
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		27-May-15	13.1	<1.18	490	1,550
	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
NMED Split	29-Jun-10	1.28	<1.0	390	1,360	NA
	21-Mar-10	<2.0	<1.0	420	1,380	NA
	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)	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	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	
DAD-13	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	

**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-14	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
DAD-15	1-Feb-12	20.3	<2.17	861	2,880	NA
	27-Oct-11	17.2	2.80	835	1,780	447
	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
DAD-16	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	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	

**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-18 Vertical Delineation	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		
DAD-19 Vertical Delineation	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	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		

**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-21	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		
DAD-22	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)
NMWQCC Standard		10	NA	250	1,000
Northern Area					
Northern Land Application Area					
70-03	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	Not Sampled				

**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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	

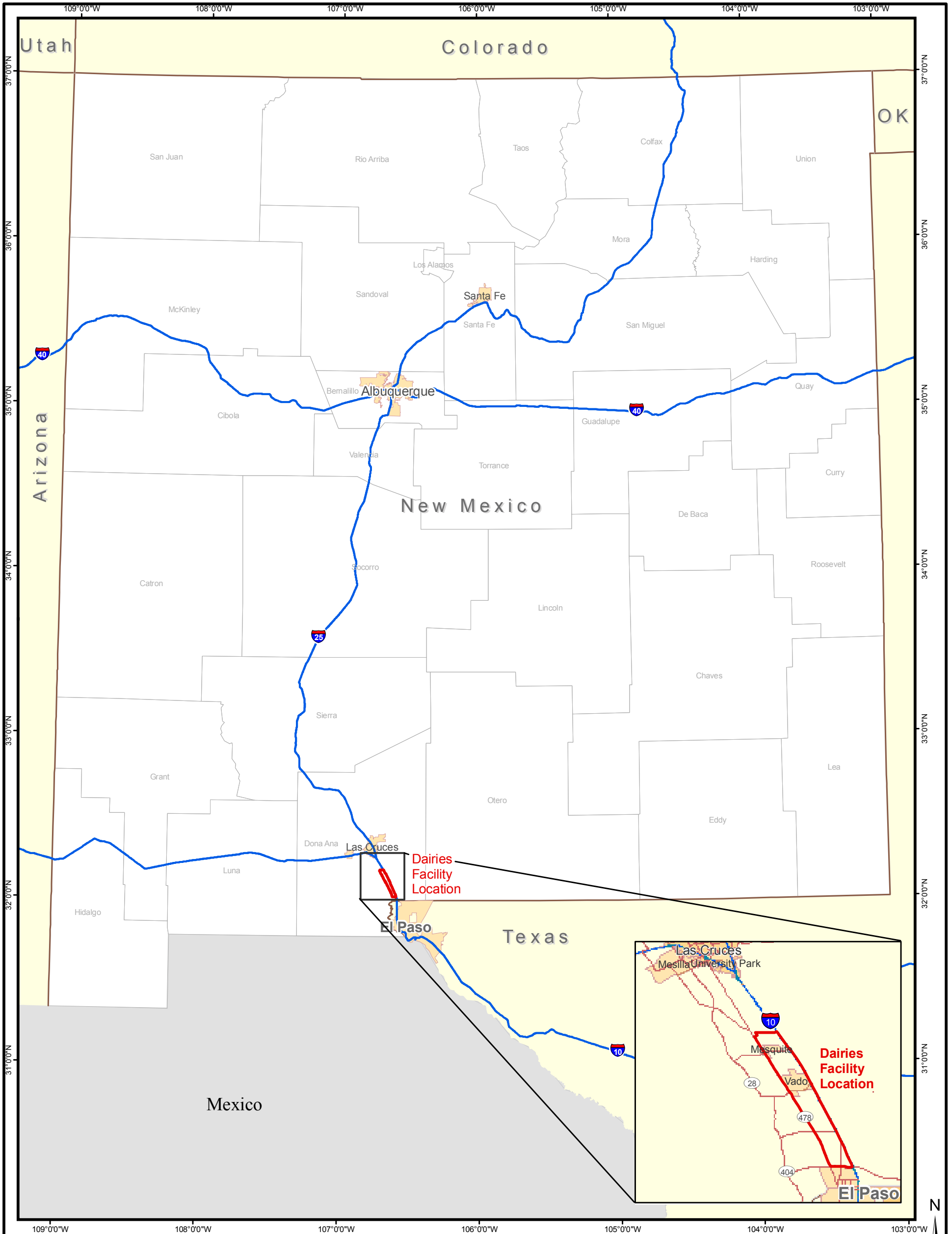
**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
692-07	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	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	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>					

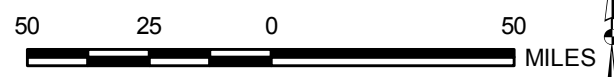
FIGURES




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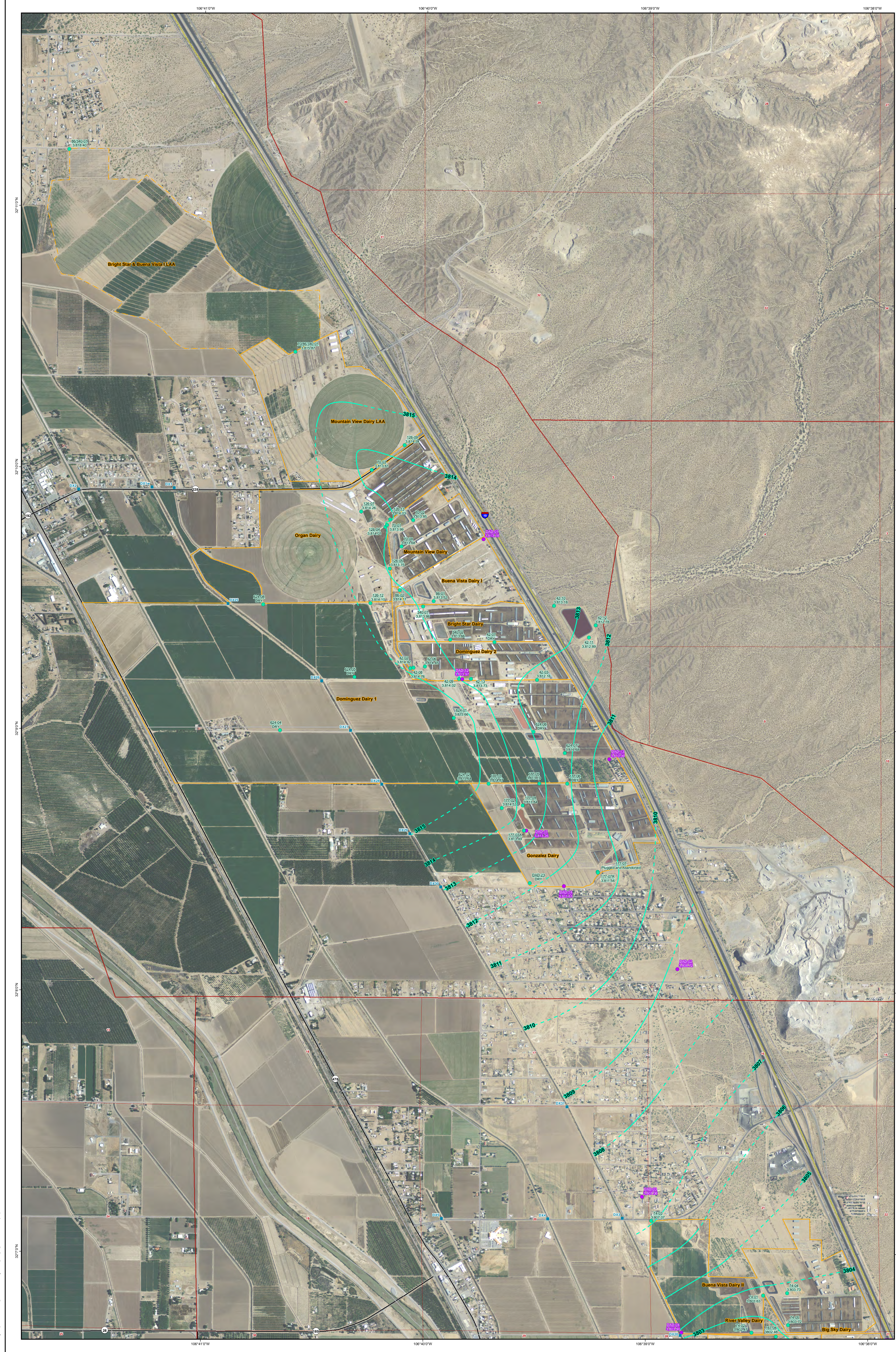
 Facility Boundary

REFERENCES
Base Data: ESRI, 2008.



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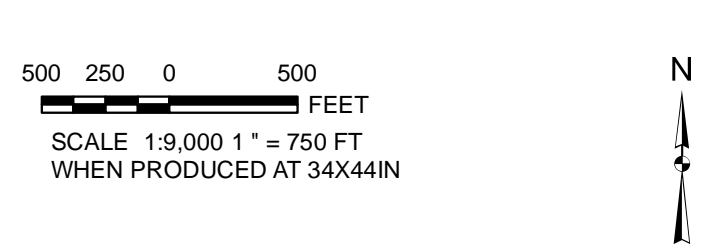
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TITLE		SITE LOCATION MAP	
	PROJECT No.	11x17_siteloc.mxd	
	DESIGN		SCALE AS SHOWN
	GIS		REV 0
	CHECK		
REVIEW		<p>FIGURE 1</p>	



- LEGEND**
- Potentiometric Contour
 - - - Potentiometric Contour - Assumed
 - 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: NARF, 2011
 PLSS: BLM, 2000
 Projection: State Plane NAD 83 New Mexico Central (feet)

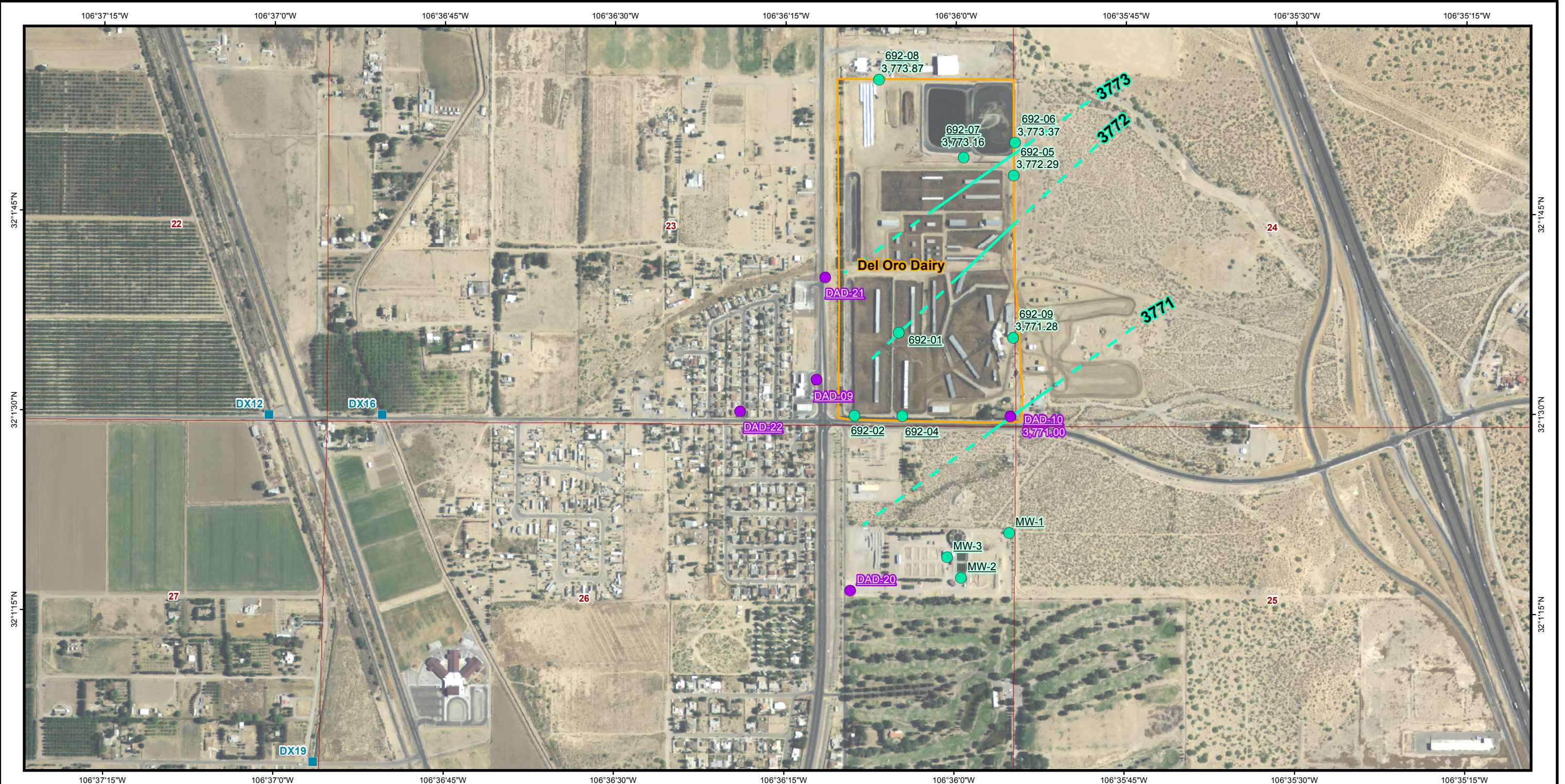


PROJECT		DOÑA ANA DAIRIES MESQUITE, NEW MEXICO	
DATE		POTENTIOMETRIC SURFACE MAP, MAY 2015, NORTHERN PORTION	
PROJECT NO.	DATE	SCALE	BY

EA **FIGURE 2**

2015 0503 - Potentiometric Surface Map - DOÑA ANA DAIRIES, MESQUITE, NEW MEXICO - FIGURE 2

2015-06-19 P:\gis\Projects\doña ana\Dallas_GIS\MXDs\201505\Fig 4 SouthRegionAq_Pot_201505.mxd EA-Dallas mullen



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

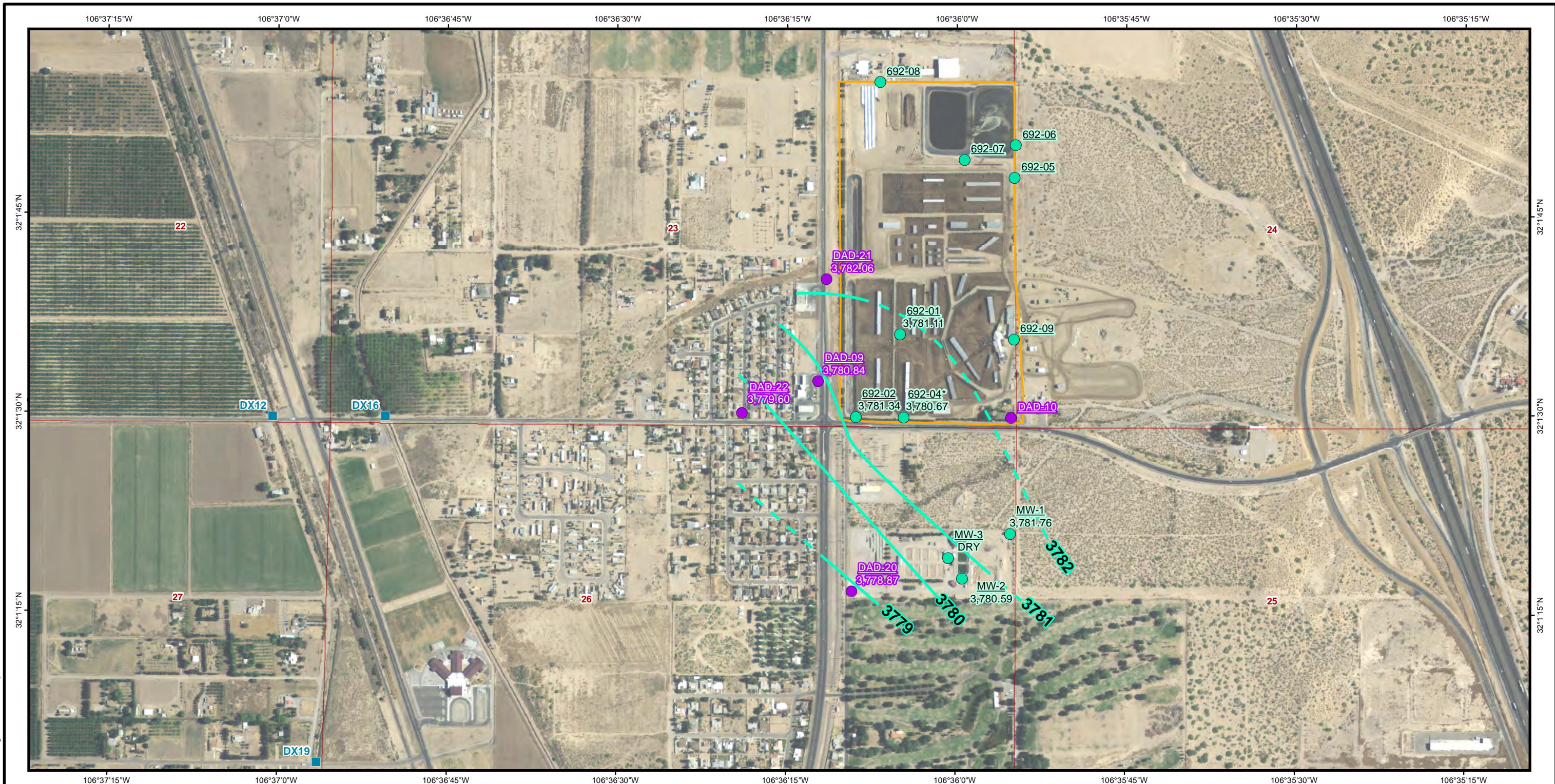
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 FEET
 SCALE 1:9,000 1" = 750 FT
 WHEN PRODUCED AT 11X17IN



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

DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
POTENTIOMETRIC SURFACE MAP, MAY 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

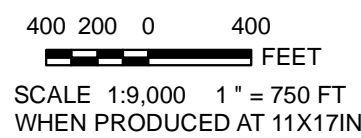
2015-08-20 P:\gis\Projects\doña ana\Dallas_GIS\MXDs\201505\Fig 5 SouthPerchAq_Pot_201505.mxd EA-Dallas rmullen



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-N = Nitrate as N
 TDS = Total Dissolved Solids

REFERENCES

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

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

N

PROJECT: DOÑA ANA DAIRIES
 MESQUITE, NEW MEXICO

GROUND WATER ANALYTICAL RESULTS
 CENTRAL PORTION
 MAY 2015

DATE	DATE	DATE	DATE

FIGURE 7

2015-05-21 10:00 AM



LEGEND:

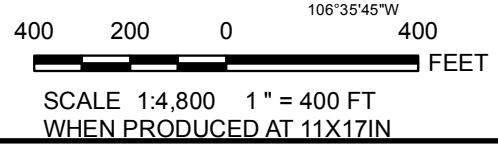
- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- Land Owned by Dairies
- Public Land Survey System

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 MAY 2015, SOUTHERN PORTION, REGIONAL AQUIFER			
	PROJECT No. 1464103.0006		Fig8SouthRegionAq_Analytical.mxd
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	GIS	RM	REV 0
	CHECK		
REVIEW			FIGURE 8



LEGEND:

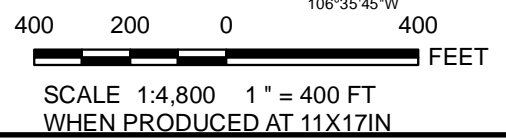
- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- Land Owned by Dairies
- Public Land Survey System

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)



PROJECT			
DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
TITLE			
GROUNDWATER ANALYTICAL RESULTS MAY 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
NORTHERN AREA						
Northern Land Application Area (DP-340)						
70-03	424580.78	1510233.88	5-6	10:11	57.82	61.25
70/86/340-01	427320.92	1508461.05	5-6	9:19	50.9	67.72
86/340-01	432021.33	1503216.90	5-6	9:02	57.74	70.02
Del Norte Dairy (DP-126)						
126-04	423258.23	1510546.24	5-6	10:31	36.3	38.22
126-05	422293.26	1510649.84	5-6	10:36	28.87	31.57
126-07	423613.62	1509986.47	5-6	10:52	36.68	39.12
126-09	425154.15	1510994.31	5-6	10:20	79.01	82.56
126-12	421492.11	1510198.45	5-6	10:40	24.76	29.92
126-13	423431.96	1510657.41	5-6	10:47	43.34	58.83
Mountain View Dairy (DP-70)						
70-01	423303.43	1510585.63	5-6	9:59	31.85	46.57
70-02	423412.73	1511192.51	5-6	10:05	47.4	49.63
70-04			5-6	9:52	36.13	47.85
Buena Vista Dairy I (DP-86) - GAUGE ONLY						
86-01	421534.62	1511667.76	5-6	9:48	51.44	54.39
86-02	421792.08	1510881.53	5-6	9:42	33.97	48.53
Bright Star Dairy (DP-340)						
340-01	421410.13	1511423.42	5-6	9:28	44.62	48.03
340-02	420641.08	1512051.57	5-6	9:33	56.1	56.81
Gonzalez Dairy (DP-177)						
177-01	417300.94	1512942.63	5-6	13:29	19.4	25.26
177-02	416738.21	1513246.51	5-6	13:39	20.13	25.28
177-03A	416211.35	1513814.71	5-6	13:15	22.26	35.17
177-04	416796.99	1513733.28	5-6	13:22	26.49	46.21
177-05	417302.42	1514116.55	5-6	13:07	38.97	48.79
177-06	417301.84	1514765.63	5-6	12:59	DRY	51.70
177-07R	415258.95	1515471.64	5-6	13:48	47.35	54.10
Dominguez 2 Dairy (DP-42)						
42-02	419982.45	1511126.19	5/7/15	8:56	29.77	Pump
42-03	419710.55	1514064.35	5/7/15	8:36	86.30	Pump
42-06	420021.61	1511465.15	5/7/15	8:32	35.70	Pump
42-07	420584.80	1513076.66	5/7/15	9:05	DRY	Pump
42-08	419994.93	1511197.91	5/7/15	8:59	31.77	Pump
42-09	419729.17	1512255.76	5/7/15	8:42	51.23	Pump
42-10	421426.39	1514460.40	5/7/15	9:30	—	Pump water level is Below Pump
42-11	420693.98	1515270.32	5/7/15	9:20	—	Pump water level is Below Pump
42-12	420972.09	1515423.88	5/7/15	9:25	133.05	Pump
42-13	419734.06	1512534.42	5/7/15	8:42	59.37	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	5/6	11:07	28.06	46.69
624-02	417335.25	1512201.42	5/6	11:12	19.81	37.29
624-04	418542.24	1508104.07	5/6	11:19	DRY	17.49
624-05	419777.52	1509829.65	5/6	11:24	DRY	17.41
624-06	418502.42	1513981.08	5/6	11:35	DRY	52.24
624-07	418012.23	1514707.77	5/6	11:40	55.57	55.69
624-08	421461.78	1507712.04	5/6	11:31	DRY	19.39
CENTRAL AREA						
Buena Vista Dairy II (DP-74)						
74-01	405434.93	1519310.15	5/6/15	9:43	37.38	45.11
74-02	404574.08	1519035.52	5/6/15	9:37	18.11	20.13
74-03	407163.61	1516711.72	5/6/15	9:20	16.29	20.07
74-04	405488.65	1519864.48	5/6/15	9:49	49.44	57.81
74-05	404747.71	1519885.30	5/6/15	10:02	41.63	56.94
River Valley Dairy (DP-167)						
167-01	402518.37	1518459.71	5/6/15	10:44	18.04	107.01 gauge only/do not sample
167-01A	402518.18	1518936.72	5/6/15	10:39	18.84	25.11
167-02	402498.30	1519354.81	5/6/15	10:31	20.50	21.93
167-03	402981.73	1519415.73	5/6/15	10:23	24.58	40.80
167-04	402032.19	1519884.60	5/6/15	10:17	27.07	30.19
167-05	397947.44	1520446.03	5/6/15	10:59	17.98	21.48
167-06	404479.35	1519603.88	5/6/15	10:10	32.36	35.63
167-07	402562.23	1518480.34	5/6/15	10:46	18.80	24.93
167-08	399352.96	1519889.65	5/6/15	10:51	19.56	30.83
167-09	398473.95	1519259.34	5/6/15	11:07	17.96	19.73
Big Sky Dairy (DP-833)						
833-01	399617.23	1521136.33	5/6/15	11:39	DRY	36.32
833-02	401200.32	1520639.92	5/6/15	11:19	37.04	57.68
833-03	401392.09	1521955.23	5/6/15	11:33	DRY	62.73
833-04	402898.52	1520659.33	5/6/15	11:24	44.98	53.63
833-05	399712.39	1522374.73	5/6/15	11:41	67.03	73.41
833-06	402219.48	1522652.04	5/6/15	11:28	76.57	85.08
833-07	399298.80	1522082.75	5/6/15	11:47	62.87	73.40
833-08	400535.64	1521938.23	5/6/15	11:38	62.22	72.89
833-09	398280.67	1520918.52	5/6/15	11:54	28.86	39.35
833-10	396715.89	1520283.60	5/6/15	11:49	23.58	36.92
Sunset/Desert Land Dairy (DP-257)						
257-01	395856.31	1520572.16	5/6/15	13:11	24.16	25.84
257-02	394728.34	1521030.29	5/6/15	13:20	18.20	20.68
257-03	397935.69	1518746.14	5/6/15	13:34	DRY	13.77
257/260-01	397678.36	1519948.22	5/6/15	13:40	17.12	20.19 starting renovation field almost under way

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	5/6/15	14:41	63.02	Pump
692-02	372984.72	1531192.10	5/6/15	14:33	59.50	66.66
692-04	372982.53	1531555.21	5/6/15	14:29	61.99	60.49
692-05	374807.26	1532403.00	3/6/13	14:17	81.97	Pump
692-06	375054.77	1532411.83	5/6/15	14:09	83.11	90.13
692-07	374944.88	1532019.81	5/6/15	14:05	75.04	Pump
692-08	375535.69	1531378.09	5/6/15	13:59	69.22	Pump
692-09	373575.83	1532395.09	5/6/15	14:24	85.04	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	5/7/15	13:38	61.27	62.77
MW-2	NM	NM	5/7/15	13:35	62.66	63.89
MW-3	NM	NM	5/7/15	13:42	Dry	59.02
ABATEMENT PLAN MONITOR WELLS						
DAD-01	422970.59	1512825.76	5/7/15	9:55	72.98	76.16
DAD-02	413002.98	1517319.93	5/7/15	10:30	67.10	68.07
DAD-03	407721.31	1516497.85	5/7/15	10:38	72.78	15.05
DAD-04	404576.66	1517413.28	5/2/15	10:42	17.57	18.44
DAD-05	396712.87	1519102.06	5/7/15	11:31	18.16	23.33
DAD-06	404273.19	1522081.00	5/7/15	10:45	Dry	83.46
DAD-07	399270.18	1524320.88	5/7/15	10:51	92.46	100.66
DAD-08	395287.38	1522575.07	5/7/15	11:11	53.22	55.65
DAD-09	373259.30	1530905.70	5/7/15	13:23	57.19	66.41
DAD-10	372980.55	1532375.33	5/2/15	13:09	83.93	94.38
DAD-11			5/7/15	10:42	22.64	47.34
DAD-12			5/2/15	10:07	52.75	82.28
DAD-13			5/2/15	10:02	88.05	92.77
DAD-14			5/7/15	10:18	30.29	42.44
DAD-15			5/7/15	11:55	96.05	109.45
DAD-16			5/7/15	11:44	20.95	32.62
DAD-17			5/7/15	11:20	22.59	38.21
DAD-18			5/7/15	10:26	25.84	56.92
DAD-19			5/7/15	11:03	65.56	99.18
DAD-20			5/7/15	13:02	54.40	69.00
DAD-21			5/7/15	13:18	52.56	66.50
DAD-22			5/7/15	13:30	47.54	50.04

McMillan, Teresa

From: Justin Vasquez <jvasquez@dhpump.com>
Sent: Tuesday, May 12, 2015 3:37 PM
To: McMillan, Teresa
Subject: Re-Gauge, Mountain View-COC
Attachments: Mountain View Dairy - COC - 5-12-15.pdf

Terri,

These are the results of the well re-gauged as requested. I have also attached the completed information for Mountain View Dairy with chain of custody and field tests.

167-02
05/12/14 - 8:25
DTW 20.88
TD 21.93

42-11
05/12/15 – 8:34
DTW 126.42

42-10
5/12/15 – 8:38
DTW 116.1

DAD-13
5/12/15 – 8:47
DTW 88.2
TD 92.77

Thank you,
Justin Vasquez

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-01 ~~833-10~~ Date Gauged 5-21-15
 Site Big Sky Time Gauged 11:45
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water dry feet Height of Fluid Column _____ feet
 Total Depth 36.32 feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations The well is dry.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-03 Date Gauged 5-21-15
 Site Big Sky Time Gauged 11:52

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water Dry feet Height of Fluid Column _____ feet
 Total Depth 62.73 feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations The well is dry.

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-09 Date Gauged 5-21-15
 Site ~~XXXX~~ ~~PS~~ Time Gauged 12:21
Big Sky
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 28.84 feet Height of Fluid Column 10.51 feet
 Total Depth 39.35 feet Volume in Well 6.9366 gallons
 (3 Well Volumes = 20.8 gallons)
35'

GROUNDWATER SAMPLING DATA

Time/date Purged 12:26 5-21-15 Purged Method low flow pump

Time	Purge Vol (gal)	Cumul. Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
12:30			20.8	6164	7.32	114	4962
12:32			20.7	6136	7.28	113	4934
12:34			20.9	6113	7.27	108	4904
12:36			21.0	6096	7.25	104	4896
12:38			20.9	6297	7.25	95	5082
12:40			20.8	6169	7.24	91	4957
12:42			21.0	6124	7.23	89	4916
12:44			21.1	6125	7.23	88	4921
12:46			21.0	6122	7.25	86	4916

Actual Purge Volume 1.25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 12:46 5-21-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-10 Date Gauged 5-21-15
 Site Big Sky Time Gauged 12:58
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 23.59 feet Height of Fluid Column 13.33 feet
 Total Depth 23.5 feet Volume in Well 8.7978 gallons
36.92 (3 Well Volumes = 26.3934 gallons)
30'

GROUNDWATER SAMPLING DATA

Time/date Purged 13:03 5-21-15 Purged Method Low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
13:05			22.4	4181	7.21	101	3239
13:07			21.1	4163	7.30	135	3229
13:09			21.2	4156	7.33	141	3223
13:11			21.1	4151	7.34	144	3220

Actual Purge Volume .5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 13:11 5-21-15 Purged/Sampled By SV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-02 Date Gauged 5-22-15
 Site Big Sky Time Gauged 11:16
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 37.61 feet Height of Fluid Column 26.61 feet
 Total Depth 57.60 feet Volume in Well 13.6026 gallons
 _____ (3 Well Volumes = 40.8 gallons)
40'

GROUNDWATER SAMPLING DATA

Time/date Purged 11:21 5-22-15 Purged Method Low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:22			19.5	19.5 3796	7.41 7.41	144	2878
11:24			19.4	3683	7.37	141	2790
11:26			19.4	3677	7.31	139	2781
11:28			19.5	3675	7.30	138	2782

Actual Purge Volume .25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 11:28 5-22-15 Purged/Sampled By JV

Sample Method ~~Bea~~ Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-04 Date Gauged 5-22-15

Site Big Sky Time Gauged 9:47

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 45.01 feet Height of Fluid Column 8.62 feet

Total Depth 53.63 feet Volume in Well 5.6892 gallons

(3 Well Volumes = 17.0676 gallons)

50'

GROUNDWATER SAMPLING DATA

Time/date Purged 9:57 5-22-15 Purged Method low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
10:00			20.4	4557	7.46	136	3519
10:02			20.5	4522	7.47	128	3488
10:04			20.5	4481	7.43	127	3456
10:06			20.4	4295	7.62	108	3298
10:08			20.5	4149	7.61	113	3172
10:10			20.4	4033	7.64	114	3073
10:12			20.2	3825	7.66	115	2899
10:14			20.1	3817	7.76	107	2893
10:16			20.2	3811	7.77	106	2890

Actual Purge Volume 1.25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 10:16 5-22-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-05 Date Gauged 5-22-15
 Site Big Sky Time Gauged 8:11
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 67.06 feet Height of Fluid Column 6.35 feet
 Total Depth 73.41 feet Volume in Well 4.191 gallons
 (3 Well Volumes = 12.57 gallons)
70'

GROUNDWATER SAMPLING DATA

Time/date Purged 8:16 5-22-15 Purged Method low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS Ⓟ (mg/L)
8:18			22.6	4522	7.11	164	3538
8:20			22.5	4489	7.03	168	3506
8:22			22.5	4473	6.99	167	3492
8:24			22.3	4460	6.96	165	3480
8:26			22.1	4458	6.95	164	3478
8:28			22.0	4449	6.94	162	3468

Actual Purge Volume .75 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 8:28 5-22-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-06 Date Gauged 5-22-15
 Site Big Sky Time Gauged 10:41
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 76.58 feet Height of Fluid Column 8.5 feet
 Total Depth 85.08 feet Volume in Well 5.61 gallons
 (3 Well Volumes = 16.83 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:46 5-22-15 Purged Method low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
10:46			20.6	3950	7.61	189	3006
10:50			20.9	3938	7.56	181	2993
10:52			20.7	3932	7.52	180	2985
10:54			21.2	3933	7.48	177	2983

Actual Purge Volume .5 gals Field Measurements stabilized within ± 10%
 Time/Date Sampled 10:54 5-22-15 Purged/Sampled By JY
 Sample Method Pump
 Requested Analyses _____
 Comments/Observations _____

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-07 Date Gauged 5-22-15
 Site Big sky Time Gauged 7:40
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 62.91 feet Height of Fluid Column 10.49 feet
 Total Depth 73.40 feet Volume in Well 6.9234 gallons
 (3 Well Volumes = 20.7702 gallons)
65

GROUNDWATER SAMPLING DATA

Time/date Purged 7:47 5-22-15 Purged Method low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
7:50			21.3	6593	7.10	151	5334
7:52			21.1	6449	7.09	149	5207
7:54			20.9	6430	7.12	146	5190
7:56			20.9	6428	7.12	146	5188
7:58			20.8	6429	7.11	146	5190

Actual Purge Volume .75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 7:58 5-22-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-08 Date Gauged 5-22-15
 Site Big sky Time Gauged 9:04
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 62.23 feet Height of Fluid Column 10.66 feet
 Total Depth 72.89 feet Volume in Well 7.0356 gallons
 (3 Well Volumes = 21.1068 gallons)
65'

GROUNDWATER SAMPLING DATA

Time/date Purged 9:12 5-22-15 Purged Method Low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS -DO (mg/L)
9:14			22.7	3629	7.10	153	2776
9:16			22.4	3569	7.11	171	2729
9:18			22.3	3553	7.08	170	2716
9:20			22.2	3549	7.07	172	2740 2710
9:22			22.3	3539	7.05	171	2704
9:24			22.4	3533	7.03	169	2699

Actual Purge Volume .5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 9:24 5-22-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 86/340-01 Date Gauged 5-11-15
 Site Bright Star Time Gauged 16:43

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 57.74 feet Height of Fluid Column 13.27 feet
 Total Depth 71.01 feet Volume in Well 8.7582 gallons
 (3 Well Volumes = 26.25 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:48 5-11-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
11:36	20	20	21.9	3390	6.96	224	2537
11:39	1	21	20.8	3405	7.17	220	2542
11:42	1	22	20.9	3414	7.20	212	2558
11:46	1	23	20.8	3408	7.26	205	2557
11:50	1	24	20.9	3408	7.30	200	2555
11:53	1	25	20.8	3407	7.32	196	2554
11:57	1	26	20.9	3407	7.34	192	2555
12:00	.25	26.25	20.7	3407	7.33	186	2553

Actual Purge Volume 29 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 12:00 5-11-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 70/86/340-01 Date Gauged 5-11-15
 Site Bright Star Time Gauged 12:14
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 50.9 feet Height of Fluid Column 16.92 feet
 Total Depth 67.72 feet Volume in Well 11.102 gallons
 (3 Well Volumes = 33.3 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:18 5-11-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
13:03	27	27	21.3	7454	7.24	192	6004
13:06	1	28	21.1	7467	7.08	198	6025
13:10	1	29	21.3	7466	7.03	202	6028
13:14	1	30	21.1	7446	7.02	202	6011
13:18	1	31	21.2	7450	7.00	203	6011
13:21	1	32	21.2	7453	7.00	205	6013
13:25	1	33	21.3	7452	7.00	207	6014
13:28	.25	33.25	21.5	7457	6.99	207	6021

Actual Purge Volume 33.25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 13:28 5-11-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 340-01 Date Gauged 5-11-15
 Site Bright Star Time Gauged 13:47
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 44.64 feet Height of Fluid Column 3.39 feet
 Total Depth 48.03 feet Volume in Well 2.2374 gallons
 (3 Well Volumes = 6.71 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:45 - 5-11-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
13:47	1	1	22.2	4129 4129	7.58	284	3148
13:50	1	2	22.0	4096	7.26	254	3121
	1	3					
	1	4					
	1	5					
	1	6					
	.75	6.75					

Actual Purge Volume 2 gals Field Measurements stabilized within ± 10% X

Time/Date Sampled 13:50 5-11-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations The well bailed dry.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 340-02 Date Gauged 5-11-15
 Site Bright Star Time Gauged 14:07
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 56.12 feet Height of Fluid Column .69 feet
 Total Depth 56.81 feet Volume in Well .4554 gallons
 (3 Well Volumes = 1.3662 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:11 5-11-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
14:14	.25	.25	23.3	4950	7.33	235	3827

Actual Purge Volume .25 gals Field Measurements stabilized within ± 10% _____
 Time/Date Sampled 14:14 5-11-15 Purged/Sampled By JY
 Sample Method Bail
 Requested Analyses _____
 Comments/Observations Well bailed dry.

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

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

LAB Order ID # _____

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 Kjeldahl Nitrogen SM 4500 NORGC	
Chloride EPA 300.0	
Total Dissolved Solids SM 2540 C MOD	

Company Name: _____ Phone #: 915-859-8150

D&H Petroleum & Environmental Services Cell #: _____

Address: (Street, City, Zip) _____ Fax #: _____

1221 Tower Trail Ln., El Paso, Texas 79907 E-mail: vayala@dhpump.com

Contact Person: _____

Victor Ayala

Invoice to (if different from above): _____

Buena Vista Dairy II P.O. Box 346, Mesquite, NM 88048 Mike Weatherly 575-233-0438

Project #: 467704 Project Name: Buena Vista Dairy II

Project Location (including state): 1690 Buena Vista Dairy II, 1000 Stern Drive, Mesquite, NM

Sampler Signature: *gdy*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		Turn Around Time	Hold				
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE			DATE	TIME		
	lagoon	1	250	X				X				X							
	lagoon	1	250	X				X				X							
	74-01	1	250	X				X				X							
	74-01	1	250	X				X				X							
	74-02	1	250	X				X				X							
	74-02	1	250	X				X				X							
	74-03	1	250	X				X				X							
	74-03	1	250	X				X				X							

Relinquished By: *gdy* Date: 5-19-15 Time: 14:05

Received By: *[Signature]* Date: 5-18-15 Time: 14:30

Lab Use Only: Intact Y/N N Headspace Y/N N Temp *22.0* Dry Weight Basis Required Y/N N Log-in Review Y/N N

Remarks: *Conting for*

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-01 Date Gauged 5-19-15
 Site Buena Vista II Time Gauged 13:21
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 37.4 feet Height of Fluid Column 7.71 feet
 Total Depth 45.11 feet Volume in Well 5.0886 gallons
 (3 Well Volumes = 15.26 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:28 5-19-15 Purged Method low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DE (mg/L)
13:32			21.9	4795	7.41	173	3706
13:34			22.1	4807	7.21	174	3716
13:36			22.0	4792	7.20	175	3704
13:38			22.2	4794	7.19	177	3706
13:40			22.1	4800	7.19	176	3716

Actual Purge Volume 1 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 13:40 5-19-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-02 Date Gauged 5-19-15
 Site Buena Vista II Time Gauged 11:45
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 18.14 feet Height of Fluid Column 1.99 feet
 Total Depth 20.13 feet Volume in Well 1.3134 gallons
 (3 Well Volumes = 3.94 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:52 5-19-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:55	1	1	21.3	3566	7.38	212	2678
11:58	1	2	20.8	3571	7.24	231	2688
12:00	1	3	20.7	3567	7.22	226	2684
12:02	1	4	21.1	3477	7.27	231	2607

Actual Purge Volume 4 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 12:02 5-19-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-03 Date Gauged 5-19-15
 Site Buena Vista II Time Gauged 12:27
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 16.32 feet Height of Fluid Column 3.75 feet
 Total Depth 20.07 feet Volume in Well 2.475 gallons
 (3 Well Volumes = 7.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:38 5-19-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
12:40	1	1	23.0	6371	7.20	205	5071
12:43	1	2	21.3	6382	7.19	201	5053
12:46	1	3	21.2	6406	7.10	197	5095
12:48	1	4	21.1	6392	7.06	194	5101
12:51	1	5	21.4	6381	7.03	195	5066
12:54	1	6	21.2	6390	7.03	194	5069
12:57	1	7	21.1	6388	7.04	191	5076
12:59	.5	7.5	21.0	6395	7.05	188	5070

Actual Purge Volume 7.5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 12:59 5-19-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

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

TraceAnalysis, Inc.

Company Name: Phone #: 915-859-8150 Cell #: _____

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):
Buena Vista Dairy #2, P.O. Box 346, Mesquite, NM 88048

Project #: 467704
Project Name: Buena Vista Dairy #2
Fermie 575-233-4646
Sampler Signature: *Jay*

Project Location (including state):
Buena Vista Dairy #2, 16910 Stern Drive, Mesquite, NM

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICF	NONE	DATE	TIME
74-04		1	250	X			X			X			5-20-15	9:20
74-04		1	250	X			X			X			9:20	9:20
74-05		1	250	X			X			X			8:45	8:45
74-05		1	250	X			X			X			8:45	8:45
		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: *Jay* Date: 5-20-15 Time: 13:15
 Received By: *[Signature]* Date: 5-20-15 Time: 13:15
 Relinquished By: _____ Date: _____ Time: _____
 Received at Laboratory By: _____ Date: _____ Time: _____

LAB Order ID # _____

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 Kjeldahl Nitrogen SM 4500 NORG C	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Turn Around Time	Hold
								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		

Remarks: *CA my In*
 Lab Use Only
 Intact Y N
 Headspace Y N
 Temp
 Log-in Review
 Dry Weight Basls Required
 TRRP Report Required

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-04 Date Gauged 5-20-15

Site Buena Vista II Time Gauged 9:03

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 49.47 feet Height of Fluid Column 8.34 feet

Total Depth 57.81 feet Volume in Well 5.5044 gallons

(3 Well Volumes = 16.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:08 5-20-15

Purged Method Low Flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:12			20.6	3137	7.56	210	2342
9:14			20.9	3120	7.33	221	2325
9:16			20.8	3117	7.26	222	2323
9:18			20.8	3114	7.23	222	2321
9:20			20.7	3113	7.21	222	2320

Actual Purge Volume 1.75 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 9:20 5-20-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-09 Date Gauged 5-20-15
 Site Buena Vista II Time Gauged 8:29
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 46.64 feet Height of Fluid Column 15.3 feet
 Total Depth 56.94 feet Volume in Well 10.098 gallons
 (3 Well Volumes = 30.25 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:36 5-20-15 Purged Method Low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DE (mg/L)
8:39			21.3	3177	6.82	306	2368
8:41			20.9	3144	6.90	300	2342
8:47			26.9	3139	6.95	295	2339
8:45			21.1	3145	6.98	290	2343

Actual Purge Volume 1 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 8:45 5-20-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

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 #: 467715
Project Location (including state): Various Dairies, Dona Ana County, NM

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

Project Name: Dona Ana Dairies Consortium
Linda Armstrong 575-233-3620
Sampler Signature: *[Signature]*

ANALYSIS REQUEST

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD					Sampling		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											
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE														TIME										
	Dad-01	1	250	X					X	X			5-27-15	10:42								X																
	Dad-01	1	250	X							X	X										X		X	X													
	Dad-02	1	250	X						X	X												X															
	Dad-02	1	250	X								X	X									X		X	X													
	Dad-03	1	250	X							X	X											X															
	Dad-03	1	250	X								X	X									X		X	X													
	Dad-04	1	250	X							X	X											X															
	Dad-04	1	250	X								X	X									X		X	X													
	Dad-05	1	250	X							X	X											X															
	Dad-05	1	250	X								X	X									X		X	X													
	Dad-09	1	250	X							X	X											X															
	Dad-09	1	250	X								X	X									X		X	X													
	Dad-10	1	250	X							X	X											X															
	Dad-10	1	250	X								X	X										X		X	X												
	Dad-20	1	250	X							X	X											X															
	Dad-20	1	250	X								X	X										X		X	X												

Relinquished By: *[Signature]* Date: 5-27-15 Time: 13:10

Received By: *[Signature]* Date: 5-27-15 Time: 13:40

Lab Use Only
Intact N
Headspace Y / N
Temp 12-2 0/1
Log-in Review _____

Remarks:

Relinquished By: _____ Date: _____ Time: _____

Received at Laboratory By: _____ Date: _____ Time: _____

Dry Weight Basis Required
TRRP Report Required

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-01 Date Gauged 5-27-15
 Site _____ Time Gauged 10:32
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 73.0 feet Height of Fluid Column 3.16 feet
 Total Depth 76.16 feet Volume in Well .5372 gallons
 (3 Well Volumes = 1.61 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:38 5-27-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
10:41	1	1	25.0	2586	7.82		1907
10:42	.75	1.75	25.2	2567	7.77		1889

Actual Purge Volume 1.75 gals Field Measurements stabilized within ± 10% X
 Time/Date Sampled 10:42 5-27-15 Purged/Sampled By JV
 Sample Method Bail
 Requested Analyses _____
 Comments/Observations _____

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-02 Date Gauged 5-27-15
 Site _____ Time Gauged 11:05
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 67.08 feet Height of Fluid Column .99 feet
 Total Depth 68.07 feet Volume in Well .1683 gallons
 (3 Well Volumes = .5 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:10 5-27-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
11:10 11:13	.25	.25	23.2	2383	7.71		1742

Actual Purge Volume .25 gals Field Measurements stabilized within ± 10% _____
 Time/Date Sampled 11:13 5-27-15 Purged/Sampled By JV
 Sample Method Bail
 Requested Analyses _____
 Comments/Observations The well bailed clay.

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-03 Date Gauged 5-27-15
 Site _____ Time Gauged 11:33
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 13.51 feet Height of Fluid Column 1.54 feet
 Total Depth 15.05 feet Volume in Well .2618 gallons
 (3 Well Volumes = .7854 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:37 5-27-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:41	.75	.75	20.8	4205	7.54		3221

Actual Purge Volume .75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 11:41 5-27-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-04 Date Gauged 5-27-15
 Site _____ Time Gauged 11:59
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 17.17 feet Height of Fluid Column 1.37 feet
 Total Depth 18.54 feet Volume in Well .2329 gallons
 (3 Well Volumes = .6987 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged ~~4/22/15~~ ^{12:06} 5-27-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
12:09	.75	.75	20.5	3568	7.92		2693

Actual Purge Volume .76 gals Field Measurements stabilized within ± 10% _____
 Time/Date Sampled 12:09 5-27-15 Purged/Sampled By JV
 Sample Method Bail
 Requested Analyses _____
 Comments/Observations _____

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-05 Date Gauged 5-27-15
 Site _____ Time Gauged 12:36
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 17.77 feet Height of Fluid Column 5.56 feet
 Total Depth 23.33 feet Volume in Well .9452 gallons
 (3 Well Volumes = 2.83 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:41 5-27-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:44	1	1	18.4	3321	7.82		2495
12:47	1	2	18.1	3323	7.80		2501
12:50	1	2 3.0	17.6	3316	7.79		2492

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

Time/Date Sampled 12:50 5-27-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-09 Date Gauged 5-27-15
 Site _____ Time Gauged 8:01
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 57.2 feet Height of Fluid Column 4.01 feet
 Total Depth 61.41 feet Volume in Well .7157 gallons
 (3 Well Volumes = 2.1471 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:06 5-27-15 Purged Method Boil

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS-DO (mg/L)
8:09	1	1	23.0	2930	7.47		2162
8:12	1	2	22.6	2890	7.38		2153
8:13	.25	2.25	22.7	2888	7.37		2150

Actual Purge Volume 2.25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 8:13 5-27-15 Purged/Sampled By JV

Sample Method Boil

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-10 Date Gauged 5-27-15

Site _____ Time Gauged 9:37

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 83.95 feet Height of Fluid Column 10.40 feet

Total Depth 94.38 feet Volume in Well 1.7731 gallons

(3 Well Volumes = 5.3193 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:43 5-27-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS BO (mg/L)
9:48	1	1	21.6	2546	7.73		1880
9:52	1	2	21.8	2492	7.72		1831
9:57	1	3	22.1	2489	7.75		1829
10:01	1	4	22.3	2487	7.76		1826
10:03	1	5	22.6	2485	7.77		1825
10:04	.25	5.25	22.1	2484	7.78		1823

Actual Purge Volume 5.25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 10:04 5-27-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-20 Date Gauged 5-27-15
 Site _____ Time Gauged 8:45
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 54.41 feet Height of Fluid Column 14.59 feet
 Total Depth 69.00 feet Volume in Well 2.4803 gallons
 (3 Well Volumes = 7.45 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:59 5-27-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:03	1	1	21.1	3802	7.69		2867
9:06	1	2	22.0	3777	7.67		2854
9:10	1	3	22.3	3764	7.66		2840
9:14	1	4	22.6	3757	7.66		2833
9:17	1	5	22.8	3758	7.67		2830
9:20	1	6	22.5	3755	7.68		2834
9:23	1	7	22.7	3754	7.70		2830
9:25	.5	7.5	22.4	3753	7.69		2829

Actual Purge Volume 7.5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 9:25 5-27-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID DAD-21 Date Gauged 5-27-15

Site _____ Time Gauged 7:30

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 57.61 feet Height of Fluid Column 8.89 feet

Total Depth 66.50 feet Volume in Well 1.5113 gallons

(3 Well Volumes = 4.53 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 7:39 5-27-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
7:42	1	1	22.5	3163	7.37		2350
7:45	1	2	22.0	3121	7.41		2319
7:48	1	3	21.7	3107	7.39		2310
7:50	1	4	21.4	3102	7.30		2305
7:52	.5	4.5	21.4	3092	7.35		2297

Actual Purge Volume 4.5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 7:52 5-27-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-22 Date Gauged 5-27-15

Site _____ Time Gauged 8:22

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 47.52 feet Height of Fluid Column 2.52 feet

Total Depth 50.04 feet Volume in Well .4284 gallons

(3 Well Volumes = 1.2852 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:26 5-27-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS -DO (mg/L)
8:28	.25	.25	22.1	3909	7.65		2960

Actual Purge Volume .25 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 8:28 5-27-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-06 Date Gauged 5-28-15

Site _____ Time Gauged 10:33

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water dry feet Height of Fluid Column _____ feet

Total Depth 83.46 feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations The well is dry.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-07 Date Gauged 5-28-15

Site _____ Time Gauged 10:39

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 92.21 feet Height of Fluid Column 8.45 feet

Total Depth 100.66 feet Volume in Well 1.4365 gallons

(3 Well Volumes = 4.3 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:43 5-28-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS -BO (mg/L)
10:48	1	1	24.3	3115	7.50		2302
10:52	1	2	24.7	3122	7.43		2306
10:56	1	3	24.8	3114	7.46		2300
10:59	1	4	24.4	3118	7.45		2301
11:00	.25	4.25	24.3	3123	7.42		2306

Actual Purge Volume 4.25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 11:00 5-28-15 Purged/Sampled By JV

Sample Method ~~Pump~~ Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-08 Date Gauged 5-28-15

Site _____ Time Gauged 11:30

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 53.29 feet Height of Fluid Column 2.36 feet

Total Depth 55.65 feet Volume in Well .4012 gallons

(3 Well Volumes = 1.2036 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:44 5-28-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS ΘΘ (mg/L)
11:46	1	1	22.4	8485	7.56		6933
11:48	.25	1.25	22.0	8479	7.50		6926

Actual Purge Volume 1.25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 11:48 5-28-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-17 Date Gauged 5-28-15

Site _____ Time Gauged 12:23

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 22.67 feet Height of Fluid Column 15.54 feet

Total Depth 38.21 feet Volume in Well 2.6416 gallons

(3 Well Volumes = 7.9254 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:27 5-28-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
12:30	1	1	22.0	220 1939	7.80		1400
12:34	1	2	21.1	1855	7.70		1330
12:38	1	3	21.0	1852	7.67		1327
12:41	1	4	20.8	1848	7.64		1328
12:45	1	5	21.0	1851	7.64		1327
12:48	1	6	21.0	1855	7.68		1332
12:52	1	7	20.8	1856	7.69		1330
12:55	1	8	20.7	1861	7.67		1335

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

Time/Date Sampled 12:55 5-28-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-18 Date Gauged 5-28-15

Site _____ Time Gauged 11:57

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 25.93 feet Height of Fluid Column 30.99 feet

Total Depth 56.92 feet Volume in Well 5.2683 gallons

(3 Well Volumes = 15.8 gallons)

30'

GROUNDWATER SAMPLING DATA

Time/date Purged 12:05 5-28-15 Purged Method low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
12:07			20.7	4549	7.58		3516
12:09			20.1	4542	7.56		3512
12:11			19.8	4539	7.54		3504

Actual Purge Volume .25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 12:11 5-28-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-19 Date Gauged 5-28-15

Site _____ Time Gauged 11:09

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 65.66 feet Height of Fluid Column 33.52 feet

Total Depth 99.18 feet Volume in Well 5.6904 gallons

(3 Well Volumes = 17 gallons)

70'

GROUNDWATER SAMPLING DATA

Time/date Purged 11:16 5-28-15

Purged Method low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
<u>11:18</u>			<u>26.8</u> 26.8	<u>4948</u> 26.8	<u>7.49</u>		<u>3811</u>
<u>11:20</u>			<u>25.4</u>	<u>4980</u>	<u>7.39</u>		<u>3826</u>
<u>11:22</u>			<u>25.3</u>	<u>4991</u>	<u>7.37</u>		<u>3829</u>
<u>11:24</u>			<u>25.1</u>	<u>4993</u>	<u>7.36</u>		<u>3831</u>
<u>11:26</u>			<u>25.2</u>	<u>4996</u>	<u>7.35</u>		<u>3835</u>

Actual Purge Volume .5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 11:26 5-28-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-11 Date Gauged 5-29-15

Site _____ Time Gauged 7:52

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 22.7 feet Height of Fluid Column 24.64 feet

Total Depth 47.34 feet Volume in Well 16.2624 gallons

(3 Well Volumes = 48.78 gallons)

30'

GROUNDWATER SAMPLING DATA

Time/date Purged 7:59 5-29-15 Purged Method low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
8:01			21.3	5040	7.50		3916
8:03			21.6	5009	7.42		3891
8:05			21.2	5002	7.43		3885
8:07			21.1	5006	7.41		3887

Actual Purge Volume .5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 8:07 5-29-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dud-12 Date Gauged 5-29-15
 Site _____ Time Gauged 9:08
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 52.83 feet Height of Fluid Column 29.45 feet
 Total Depth 82.28 feet Volume in Well 5.0065 gallons
 (3 Well Volumes = 15. gallons)

57'

GROUNDWATER SAMPLING DATA

Time/date Purged 4:15 5-29-15 Purged Method Low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:17			21.9	4448	7.63		3419
9:19			21.8	4427	7.61		3389
9:21			21.9	4409	7.56		3380
9:23			22.0	4397	7.55		3369
9:25			22.1	4390	7.54		3364
9:27			22.1	4381	7.53		3352

Actual Purge Volume .5 gals Field Measurements stabilized within ± 10%
 Time/Date Sampled 9:27 5-29-15 Purged/Sampled By JV
 Sample Method Pump
 Requested Analyses _____
 Comments/Observations _____

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-13 Date Gauged 5-29-15

Site _____ Time Gauged 9:46

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 88.05 feet Height of Fluid Column 4.72 feet

Total Depth 92.77 feet Volume in Well .8024 gallons

(3 Well Volumes = 2.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:52 5-29-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:54	1	1	25.2	3522	7.43		2643
10:05	1	2	25.1	3497	7.40		2616
10:07	.25	2.5	24.7	3493	7.38		2612

Actual Purge Volume 2.5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 10:07 5-29-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-14 Date Gauged 5-29-15
 Site _____ Time Gauged 8:22
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 30.35 feet Height of Fluid Column 19.09 feet
 Total Depth 42.44 feet Volume in Well 2.0553 gallons
 (3 Well Volumes = 6.16 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:28 5-29-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DE (mg/L)
8:32	1	1	20.8	5226	7.75		4101
8:36	1	2	20.7	5222	7.87		4082
8:40	1	3	20.8	5221	7.90		4083
8:44	1	4	20.9	5214	7.92		4076
8:47	1	5	20.7	5218	7.90		4082
8:50	1	6	20.6	5221	7.88		4085
8:51	.25	6.25	20.5	5219	7.87		4084

Actual Purge Volume 6.25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 8:51 5-29-15 Purged/Sampled By SV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-15 Date Gauged 5-29-15
 Site _____ Time Gauged 10:23
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 96.11 feet Height of Fluid Column 13.34 feet
 Total Depth 109.45 feet Volume in Well 2.2678 gallons
 (3 Well Volumes = 6.8 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:31 5-29-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:35	1	1	22.8	2789	7.57		2070
10:39	1	2	22.7	2785	7.60		2069
10:43	1	3	22.4	2793	7.61		2071
10:48	1	4	22.2	2794	7.61		2072
10:53	1	5	22.1	2795	7.63		2073
10:57	1	6	22.0	2797	7.64		2076
11:01 11:01	1	7	22.1	2799	7.66		2078

Actual Purge Volume 7 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 11:01 5-29-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-16 Date Gauged 5-29-15
 Site _____ Time Gauged 7:14
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 20.55 feet Height of Fluid Column 12.07 feet
 Total Depth 32.62 feet Volume in Well 2.0619 gallons
 (3 Well Volumes = 6.1557 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 7:19 5-29-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS Θ (mg/L)
7:21	1	1	18.5	3088	7.88		2305
7:23	1	2	18.6	3084	7.83		2304
7:26	1	3	18.6	3083	7.82		2300
7:28	1	4	18.7	3079	7.81		2298
7:31	1	5	18.6	3077	7.79		2294
7:34	1	6	18.5	3072	7.77		2291
7:35	.25	6.25	18.6	3070	7.76		2289

Actual Purge Volume 6.25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 7:35 5-29-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

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

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

Invoice to (if different from above): Jerry Settles 575-882-4331
 Del Oro Dairy, PO Box 1846, Anthony, TX 88021
 Project #: _____ Project Name: Del Oro Dairy
 Sampler Signature: *Jerry Settles*

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
		1	250	X						X				5-26-15	10:11
	lagoon	1	250	X						X				10:11	
	692-02	1	250	X						X				11:37	
	692-02	1	250	X						X				11:37	
	692-06	1	250	X						X				9:38	
	692-06	1	250	X						X				9:38	
	692-07	1	250	X						X				10:50	
	692-07	1	250	X						X				10:50	

Relinquished By: *Jerry Settles* Date: 5-26-15 Time: 13:10
 Received By: *Jerry Settles* Date: 5-26-15 Time: 13:10
 Relinquished By: _____ Date: _____ Time: _____
 Received at Laboratory By: _____ Date: _____ Time: _____

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																				

Lab Use Only
 Intact / N
 Headspace / N
 Temp *23°C*
 Log-in Review
 Dry Weight Basis Required
 TRRP Report Required

Remarks:

17 Feb 2

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-02 Date Gauged 5-26-15

Site Del Oro Time Gauged 11:31

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 59.50 feet Height of Fluid Column 7.16 feet

Total Depth 66.66 feet Volume in Well 4.7256 gallons

(3 Well Volumes = 14.17 gallons)

65'

GROUNDWATER SAMPLING DATA

Time/date Purged 11:37 5-26-15

Purged Method low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:39			22.1	5391	7.13		4194
11:41			21.8	5457	7.06		4267
11:43			21.6	5450	7.04		4263
11:45			21.7	5442	7.06		4258

Actual Purge Volume .5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 11:37 5-26-15 Purged/Sampled By sv

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-04 Date Gauged 5-26-15

Site Del Oro Time Gauged 11:25

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water dry feet Height of Fluid Column _____ feet

Total Depth 61.99 feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations The well is dry.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-06 Date Gauged 5-26-15

Site Del Oro Time Gauged 9:24

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 82.89 feet Height of Fluid Column 7.24 feet

Total Depth 90.13 feet Volume in Well 4.7784 gallons

(3 Well Volumes = 14.33 gallons)

85'

GROUNDWATER SAMPLING DATA

Time/date Purged 9:30 5-26-15 Purged Method low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:32			22.4	2336	7.87		1704
9:34			22.3	2329	7.76		1703
9:36			22.3	2327	7.64		1701
9:38			21.8	2328	7.63		1699

Actual Purge Volume .5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 9:30 5-26-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-07 Date Gauged 5-26-15
 Site Del Oro Time Gauged 10:30
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 74.83 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:35 5-26-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS - $\bar{\Delta}$ (mg/L)
10:38	1	1	26.8	2570	7.77		1881
10:41	1	2	26.6	2568	7.73		1880
10:44	1	3	26.7	2565	7.70		1878
10:46	1	4	26.5	2566	7.71		1879
10:50	1	5	26.6	2562	7.69		1877

Actual Purge Volume 5 gals Field Measurements stabilized within \pm 10%

Time/Date Sampled 10:50 5-26-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

TraceAnalysis, Inc.

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

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

Invoice to (if different from above): Del Oro Dairy, PO Box 1846, Anthony, TX 88021
Project #: 4b7713
Project Name: Del Oro Dairy
Sampler Signature: *JWT*

Project Location (including state): Del Oro Dairy, 1025 East O'Hara, Anthony, NM

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				DATE	TIME	Sampling
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH			
	692-05	1	250	X				X	X	X		5-28-15	9:17	
	692-05	1	250	X				X	X	X			9:17	
	692-08	1	250	X				X	X	X			9:43	
	692-08	1	250	X				X	X	X			9:43	
	692-09	1	250	X				X	X	X			10:19	
	692-09	1	250	X				X	X	X			10:19	

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	X
Chloride EPA 300	X
Total Dissolved Solids SM 2540 C MOD	X
Turn Around Time	
Hold	

Lab Use Only
Intact Y / N
Headspace Y / N
Temp 12.2 / 11.2
Log-in Review

Remarks: Dry Weight Basis Required
TRRP Report Required

Relinquished By: *JWT* Date: 5-28-15 Time: 13:20
Received By: *D. H. H.* Date: 5-28-15 Time: 13:20
Relinquished By: _____ Date: _____ Time: _____
Received at Laboratory By: _____ Date: _____ Time: _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 69201 Date Gauged 5-28-15

Site Del Oro Time Gauged 9:35 9:55

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 61.89 feet Height of Fluid Column _____ feet

Total Depth Pump feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 5-28-15 Purged Method Pump

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations The pump did not work.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-05 Date Gauged ████████ 5-28-15
 Site Del oro Time Gauged ████████ 8:53
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 81.08 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:04 5-26-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS -DO (mg/L)
9:09	1	1	25.9	2363	7.83		1722
9:11	1	2	25.6	2360	7.82		1719
9:13	1	3	25.4	2358	7.81		1717
9:15	1	4	25.5	2356	7.82		1718
9:17	1	5	25.6	2357	7.80		1719

Actual Purge Volume 5 gals Field Measurements stabilized within ± 10%
 Time/Date Sampled 9:17 5-26-15 Purged/Sampled By JV
 Sample Method Pump
 Requested Analyses _____
 Comments/Observations _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-08 Date Gauged 5-28-15

Site Del Oro Time Gauged 9:26

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 69.26 feet Height of Fluid Column _____ feet

Total Depth Pump feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:33 5-28-15 Purged Method pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:35	1	1	25.3	2205	7.72		1594
9:37	1	2	25.4	2200	7.70		1500
9:39	1	3	25.2	2202	7.69		1496
9:41	1	4	25.2	2197	7.66		1492
9:43	1	5	25.3	2193	7.65		1491

Actual Purge Volume 5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 9:43 5-28-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-09 Date Gauged 5-28-15
 Site Del Oro Time Gauged 10:03
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 84.37 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:01 5-28-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
10:11	1	1	28.5	2170	8.15		1564
10:13	1	2	28.4	2172	8.11		1561
10:15	1	3	28.4	2170	8.10		1557
10:17	1	4	28.2	2171	8.06		1554
10:19	1	5	28.1	2166	8.07		1555

Actual Purge Volume 5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 10:19 5-28-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-01 Date Gauged 5-19-15

Site Dominguez 1 Time Gauged 9:10

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 28.10 feet Height of Fluid Column 18.59 feet

Total Depth 46.69 feet Volume in Well 12.2694 gallons

(3 Well Volumes = 36.80 gallons)

35'

GROUNDWATER SAMPLING DATA

Time/date Purged 9:16 5-19-15 Purged Method Pump, low flow

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:16			21.2	4777	6.77	292	3697
9:18			21.0	4744	6.97	283	3673
9:20			21.0	4743	6.98	277	3672
9:22			20.9	4748	7.02	271	3676

Actual Purge Volume .5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 9:22 5-19-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-02 Date Gauged 5-19-15

Site Dominquez 1 Time Gauged 10:28

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 19.80 feet Height of Fluid Column 17.49 feet

Total Depth 37.29 feet Volume in Well 11.5434 gallons

(3 Well Volumes = 34.6 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:35 5-19-15

Purged Method low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS -BO (mg/L)
10:38			19.9	4748	7.06	201	3681
10:40			19.6	4749	6.95	202	3683
10:42			19.6	4744	6.91	201	3677
10:44			19.5	4746	6.90	200	3683

Actual Purge Volume .75 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 10:44 5-19-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-04 Date Gauged 5-19-15

Site Dominquez 1 Time Gauged 10:06

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water dry feet Height of Fluid Column _____ feet

Total Depth 17.49 feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations The well is dry.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-05 Date Gauged 5-19-15

Site Dominguez 1 Time Gauged 9:55

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water dry feet Height of Fluid Column _____ feet

Total Depth 17.41 feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations The well is dry.

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-06 Date Gauged 5-19-15
 Site Dominguez I Time Gauged 9:34
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water Dry feet Height of Fluid Column _____ feet
 Total Depth 52.24 feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

Actual Purge Volume _____ gals Field Measurements stabilized within ± 10% _____
 Time/Date Sampled _____ Purged/Sampled By _____
 Sample Method _____
 Requested Analyses _____
 Comments/Observations The well is dry.

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-07 Date Gauged 5-19-15
 Site Dominquez / Time Gauged 10:22
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 55.56 feet Height of Fluid Column .13 feet
 Total Depth 55.69 feet Volume in Well .0858 gallons
 (3 Well Volumes = .2574 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations Not enough water to bail.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-08 Date Gauged 5-19-15

Site Dominquez I Time Gauged 9:47

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water dry feet Height of Fluid Column _____ feet

Total Depth 19.39 feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations The well is dry.

Well Casing Volumes

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

TraceAnalysis, Inc.

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

Page 1 of 2
 CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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: yayala@dhpump.com

Invoice to (if different from above):
 Dominguez Dairy #2, P.O. Box 21, Mesquite, NM 88048
 Isaac Dominguez 575-649-7040
 Project #: 467719
 Project Name: Dominguez Dairy #2
 Sampler Signature: *Juf*

Project Location (including state): Dominguez Dairy #2, 13600 Stern Drive, Mesquite, NM

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				DATE	TIME	Sampling	ANALYSIS REQUEST
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH				
	lagoon	1	250	X				X				5-18-15	9:15		MTBE 8021B/602
	lagoon	1		X				X				5-18-15	9:15	X	BTEX 8021B/602
	42-02	1		X				X				10:17	10:17	X	TPH 418.1 / TX1005
	42-02	1		X				X				10:17	10:17	X	TX 1005 Extended (C35)
	42-03	1		X				X				8:51	8:51	X	PAH 8270C
	42-03	1		X				X				8:51	8:51	X	PAH 8270 (Low Level Analysis)
	42-06	1		X				X				11:14	11:14	X	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7
	42-06	1		X				X				11:14	11:14	X	Nitrates EPA 300
	42-09	1		X				X				11:32	11:32	X	Total Kjeldhal Nitrogen SM 4500 NORG C
	42-09	1		X				X				11:32	11:32	X	Chloride EPA 300.0
	42-10	1		X				X				13:32	13:32	X	Total Dissolved Solids SM 2540 C MOD
	42-10	1		X				X				13:32	13:32	X	
	42-11	1		X				X				12:56	12:56	X	
	42-11	1		X				X				13:19	13:19	X	
	42-12	1		X				X				13:19	13:19	X	

Relinquished By: *Juf*
 Date: 5-18-15
 Time: 14:05

Received By: *DGH*
 Date: 5-18-15
 Time: 14:05

Lab Use Only
 Intact Y N
 Headspace Y N
 Temp 12.2 z/5
 Remarks: *CH24 IN*
 Dry Weight Basis Required

LAB Order ID # _____
 ANALYSIS REQUEST
 Turn Around Time _____
 Hold

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-02 Date Gauged 5-18-15
 Site Dominguez II Time Gauged 10:01
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 29.78 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:09 5-18-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
10:11	1	1	23.5	3681	7.37	158	2743
10:13	1	2	23.2	3659	7.36	157	2735
10:15	1	3	23.1	3635	7.36	152	2728
10:16	1	4	23.0	3632	7.34	150	2724
10:17	1	5	23.1	3630	7.32	151	2721

Actual Purge Volume 5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 10:17 5-18-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-03 Date Gauged 5-18-15

Site Dominquez II Time Gauged 8:38

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 86.22 feet Height of Fluid Column _____ feet

Total Depth Pump feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:45 5-18-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS -DO (mg/L)
8:47	1	1	22.2	5678	6.87	319	4469
8:48	1	2	23.3	5652	7.01	302	4443
8:49	1	3	22.4	5650	7.67	290	4435
8:50	1	4	22.3	5649	7.08	281	4434
8:51	1	5	22.3	5650	7.09	272	4435

Actual Purge Volume 5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 8:51 5-18-15 Purged/Sampled By SV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-06 Date Gauged 5-18-15
 Site Dominquez II Time Gauged 11:00
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 35.71 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:04 5-18-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:06	1	1	22.8	3313	7.67	131	2473
11:08	1	2	22.7	3344	7.83	130	2497
11:10	1	3	21.8	3339	7.78	130	2493
11:12	1	4	21.9	3338	7.74	129	2494
11:14	1	5	21.7	3337	7.72	130	2496

Actual Purge Volume 5 gals Field Measurements stabilized within ± 10%
 Time/Date Sampled 11:14 5-18-15 Purged/Sampled By JV
 Sample Method Pump.
 Requested Analyses _____
 Comments/Observations _____

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-07 Date Gauged 5-19-15
 Site Dominquez II Time Gauged _____
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water DRY feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations The well is dry.

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-08 Date Gauged 5-18-15
 Site Dominguez II Time Gauged 10:40

Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 31.79 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:47 5-18-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	1	1					
	1	2					
	1	3					
	1	4					
	1	5					

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations Water was not being pumped out.

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-09 Date Gauged 5-18-15

Site Dominquez II Time Gauged 11:18

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 51.17 feet Height of Fluid Column _____ feet

Total Depth Pump feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:23 5-18-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS BO (mg/L)
11:24	1	1	22.8	4654	7.19	164	3591
11:26	1	2	22.4	4785	7.13	167	3692
11:28	1	3	22.1	4791	7.09	169	3700
11:30	1	4	22.3	4797	7.07	168	3703
11:32	1	5	22.3	4791	7.06	167	3698

Actual Purge Volume 5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 11:32 5-18-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-10 Date Gauged 5-18-15
 Site Dominguez II Time Gauged 13:28
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water _____ feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:32 5-18-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
13:33	1	1	28.3	2284	7.51	15	1651
13:34	1	2	28.2	2388	7.43	75	1734
13:35	1	3	28.3	2403	7.44	82	1744
13:36	1	4	28.1	2397	7.39	66	1740
13:37	1	5	28.0	2392	7.36	64	1737

Actual Purge Volume 5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 13:37 5-18-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-11 Date Gauged 5-18-15
 Site Dominguez II Time Gauged 12:40

Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 126.29 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:45 5-18-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
12:47	1	1	22.6	1935	7.37	180	1380
12:49	1	2	27.5	1911	7.41	182	1361
12:51	1	3	27.4	1903	7.44	187	1754
12:53	1	4	27.3	1898	7.46	184	1351
12:56	1	5	27.1	1896	7.47	186	1349

Actual Purge Volume 5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 12:56 5-18-15 Purged/Sampled By JV

Sample Method Pump.

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-12 Date Gauged 5-18-15

Site Dominion II Time Gauged 13:04

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 132.53 feet Height of Fluid Column _____ feet

Total Depth Pump feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:08 5-18-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
13:11	1	1	28.3	1960	7.53	193	1399
13:13	1	2	28.2	2000	7.31	-16	1437
13:15	1	3	28.8	1958	7.41	30	1397
13:17	1	4	29.0	2001	7.34	47	1431
13:19	1	5	29.1	1980	7.46	52	1413

Actual Purge Volume 5 gals Field Measurements stabilized within ± 10% X

Time/Date Sampled 13:19 5-18-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-13 Date Gauged 5-18-15
 Site Dominguez II Time Gauged 9:23
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 59.25 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:29 5-18-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:32	1	1	23.2	5096	7.36	237	3938
9:35	1	2	23.3	5150	7.28	236	3970
9:38	1	3	23.1	5158	7.24	231	3973
9:42	1	4	23.0	5162	7.21	232	3977
9:46	1	5	23.1	5163	7.19	230	3980

Actual Purge Volume 5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 9:46 5-18-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

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

TraceAnalysis, Inc.

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

Page 1 of 1
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # _____

Company Name: _____ Phone #: 915-859-8150
Cell #: _____

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

Invoice to (if different from above):
Gonzalez Dairy, PO Box 199, Mesquite, NM 88048
Project #: 467766

Project Name: Joe Gonzalez 575-233-4801
Gonzalez Dairy Inc.
Sampler Signature: *July*

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
	177-05	1	250	X			X	X	X	X	X	5-13-15	12:23
	177-05	1	250	X			X	X	X	X	X	12:23	12:23
	177-01	1	250	X			X	X	X	X	X	13:01	13:01
	177-01	1	250	X			X	X	X	X	X	13:01	13:01
	177-02	1	250	X			X	X	X	X	X	13:37	13:37
	177-02	1	250	X			X	X	X	X	X	13:37	13:37

Relinquished By: *July* Date: 5-13-15 Time: 14:48
Received at Laboratory By: *Samuel Lopez* Date: 5-13-15 Time: 14:48
Relinquished By: _____ Date: _____ Time: _____
Received at Laboratory By: _____ Date: _____ Time: _____

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											
Hold											

Remarks: *carry in*
Lab Use Only
Intact *Y/N*
Headspace *Y/N*
Temp *0/1/2*
Log-in Review _____
Dry Weight Basis Required _____
TRRP Report Required _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID ~~177-01~~ 177-01 Date Gauged 5-13-15
 Site Gonzalez Time Gauged 12:34
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 19.41 feet Height of Fluid Column 5.85 feet
 Total Depth 25.26 feet Volume in Well 3.861 gallons
 (3 Well Volumes = 11.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:30 5-13-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
12:46	5	5	19.3	6291	7.73	199	5010
12:48	1	6	19.3	6325	7.43	201	5039
12:50	1	7	19.2	6336	7.31	202	5049
12:52	1	8	19.4	6343	7.26	203	5054
12:54	1	9	19.2	6351	7.23	202	5062
12:57	1	10	19.4	6356	7.22	202	5065
12:59	1	11	19.6	6363	7.21	201	5068
13:01	.5	11.5	19.1	6360	7.23	197	5066

Actual Purge Volume 11.5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 13:01 5-13-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 177-02 Date Gauged 5-13-15
 Site Gonzalez Time Gauged 13:09
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 20.16 feet Height of Fluid Column 5.12 feet
 Total Depth 25.28 feet Volume in Well 3.3792 gallons
 (3 Well Volumes = 10.13 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:13 5-13-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
13:21	4	4	19.0 19.5	4702	7.72	213	3645
13:24	1	5	19.4	4670	7.59	212	3620
13:26	1	6	19.5	4667	7.52	212	3619
13:28	1	7	19.3	4660	7.45	210	3611
13:31	1	8	19.6	4661	7.42	209	3610
13:33	1	9	19.2	4657	7.40	207	3608
13:35	1	10	19.2	4653	7.40	206	3605
13:37	.5	10.25	19.1	4659	7.38	204	3609

Actual Purge Volume 10.25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 13:37 5-13-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 177-05 Date Gauged 5-13-15
 Site Gonzalez Time Gauged 11:25

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 39.0 feet Height of Fluid Column 9.79 feet
 Total Depth 48.79 feet Volume in Well 6.4614 gallons
 (3 Well Volumes = 19.39 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:31 5-13-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
12:04	13	13	21.0	5536	7.55	192	4345
12:08	1	14	20.8	5535	7.36	188	4340
12:11	1	15	20.9	5532	7.28	184	4347
12:14	1	16	21.3	5565	7.26	183	4377
12:16	1	17	21.0	5599	7.24	181	4402
12:19	1	18	21.0	5516	7.27	177	4413
12:21	1	19	21.1	5626	7.27	176	4422
12:23	.5	19.5	20.9	5636	7.29	174	4432

Actual Purge Volume 19.5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 12:23 5-13-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 177-06 Date Gauged 5-13-15

Site Gonzalez Time Gauged 11:21

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 0 feet Height of Fluid Column NA feet

Total Depth 51.7 feet Volume in Well NA gallons

(3 Well Volumes = NA gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations The well is dry.

Well Casing Volumes

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

TraceAnalysis, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: _____ Phone #: 915-859-8150
 D&H Petroleum & Environmental Services Cell #: _____
 Address: (Street, City, Zip) _____ Fax #: _____
 1221 Tower Trail Ln, El Paso TX 79907 E-mail: vajala@dhpump.com
 Contact Person: _____
 Victor Ayala
 Invoice to (if different from above): _____
 Gonzalez Dairy, PO Box 199, Mesquite, NM 88048 Joe Gonzalez 575-233-4801
 Project #: 467708 Project Name: Gonzalez Dairy Inc.
 Project Location (including state): _____ Sampler Signature: *Jay*
 Gonzalez Dairy, 14310 Stern Dr., 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	ICF	NONE			DATE
	177-03A	1	250	X				X			X			5-14-15	10:59	
	177-03A	1	250	X				X			X			10:59		
	177-04	1	250	X				X			X			11:30		
	177-04	1	250	X				X			X			11:30		
	177-07	1	250	X				X			X			12:39		
	177-07	1	250	X				X			X			12:39		

ANALYSIS REQUEST

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

LAB Order ID # _____

Relinquished By: *Jay* Date: 5-14-15 Time: 13:40
 Received By: *MCC* Date: 5-14-15 Time: 13:40
 Relinquished By: *MCC* Date: 5-14-15 Time: 16:30
 Received By: _____ Date: _____ Time: _____

Lab Use Only
 Intact Y N
 Headspace Y / N
 Temp *22* / *23*
 Log-in Review

Remarks: *6*
Carry In
 Dry Weight Basis Required
 TRRP Report Required

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 177-03A Date Gauged ~~5-14-15~~ 5-14-15
 Site Gonzalez Time Gauged 10:44
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 22.26 feet Height of Fluid Column 12.91 feet
 Total Depth 35.17 feet Volume in Well 2.1947 gallons
 (3 Well Volumes = 6.58 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:49 5-14-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
10:51	1	1	21.9	3171	6.89	300	2361
10:53	1	2	22.1	5272	6.94	280	4109
10:54	1	3	22.1	5348	6.93	276	4179
10:56	1	4	22.2	5161	6.94	273	4018
10:57	1	5	22.1	5110	6.94	270	3974
10:58	1	6	22.0	5072	6.95	268	3939
10:59	.5	6.5	22.1	4976	6.97	265	3860

Actual Purge Volume 6.5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:59 5-14-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 177-04 Date Gauged 5-14-15
 Site Gonzalez Time Gauged 11:15
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 26.5 feet Height of Fluid Column 19.71 feet
 Total Depth 46.21 feet Volume in Well 13.0086 gallons
 (3 Well Volumes = 39 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:22 5-14-15 Purged Method ~~Boat~~ low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:24			21.0	6349	7.23	243	5048
11:26			21.0	6333	7.11	243	5034
11:28			21.0	6330	7.04	244	5031
11:30			20.9	6333	7.03	243	5030

Actual Purge Volume 1 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 11:30 5-14-15 Purged/Sampled By JV

Sample Method low flow pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 177-07 Date Gauged 5-14-15

Site Gonzalez Time Gauged 11:44

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 47.37 feet Height of Fluid Column 6.73 feet

Total Depth 54.10 feet Volume in Well 4.448 gallons

(3 Well Volumes = 13.32 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:56 5-14-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
12:14	7	7	21.6	5613	7.23	237	4401
12:18	1	8	21.5	5619	7.36	227	4438
12:22	1	9	21.6	5603	7.28	223	4394
12:25	1	10	22.0	5594	7.27	218	4386
12:29	1	11	21.8	5607	7.29	214	4401
12:32	1	12	21.7	5611	7.24	212	4398
12:36	1	13	21.8	5605	7.21	210	4393
12:39	.5	13.5	21.5	5601	7.23	207	4404

Actual Purge Volume 13.5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 12:39 5-14-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

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

TraceAnalysis, Inc.

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

Company Name: _____

Phone #: 915-859-8150

D&H Petroleum & Environmental Services

Cell #: _____

Address: (Street, City, Zip)

Fax #: _____
E-mail: vayala@dhpump.com

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

John DeRuyter 575-233-3899

Project #: 467 708

Project Name: _____

Mountain View Dairy

Project Location (including state):

Sampler Signature: [Signature]

Mountain View Dairy, 13090 Stern Drive, Mesquite, NM

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING DATE	SAMPLING TIME		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄			NaOH	ICE
	70-01	1	250	X					X				5-12-15	10:54
	70-01	1	250	X					X				10:54	10:54
	70-02	1	250	X					X				11:54	11:54
	70-02	1	250	X					X				11:54	11:54
	70-03	1	250	X					X				9:47	9:47
	70-03	1	250	X					X				9:47	9:47
	70-04	1	250	X					X				12:27	12:27
	70-04	1	250	X					X				12:27	12:27
	70 Lagoon	1	250	X					X				11:27	11:27
	70 Lagoon	1	250	X					X				11:27	11:27
	70 Lagoon	1	250	X					X				11:27	11:27
	70 Lagoon	1	250	X					X				11:27	11:27
	North Stormwater Lagoon	1	250	X					X				11:11	11:11
	North Stormwater Lagoon	1	250	X					X				11:11	11:11
	North Stormwater Lagoon	1	250	X					X				11:11	11:11
	North Stormwater Lagoon	1	250	X					X				11:11	11:11

Requisitioned By: [Signature] Date: 5-12-15 Time: 14:30

Received By: [Signature] Date: 5-12-15 Time: 14:30

Lab Use Only
Intact N
Headspace Y / N
Temp 12.2 / 21.3
Log-in Review _____

Remarks: _____

Dry Weight Basis Required
TRRP Report Required

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 70-01 Date Gauged 5-12-15
 Site Mt. View Time Gauged 9:59
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 37.88 feet Height of Fluid Column 8.69 feet
 Total Depth 46.57 feet Volume in Well 5.7354 gallons
 (3 Well Volumes = 17.2 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:05 5-12-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS -DG (mg/L)
10:33	11	11	21.4	4094	7.36	69	3131
10:37	1	12	21.4	4085	7.19	78	3114
10:40	1	13	21.3	4087	7.15	83	3113
10:43	1	14	21.3	4088	7.13	86	3116
10:46	1	15	21.2	4082	7.14	88	3115
10:50	1	16	21.1	4086	7.12	92	3114
10:53	1	17	21.1	4082	7.12	96	3116
10:54	.25	17.25	21.0	4088	7.09	101	3123

Actual Purge Volume 17.25 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:54 5-12-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 7002 Date Gauged 5-12-15
 Site Mt. View Time Gauged 11:36
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 47.41 feet Height of Fluid Column 2.22 feet
 Total Depth 49.63 feet Volume in Well 1.4652 gallons
 (3 Well Volumes = 4.3956 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:41 5-12-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:44	1	1	24.2	5017	7.77	210	3878
11:47	1	2	23.2	5037	7.46	206	3909
11:50	1	3	22.4	5083	7.52	229	3941
11:52	1	4	22.9	5069	7.43	227	3938
11:54	.5	4.5	23.0	5070	7.37	226	3939

Actual Purge Volume 4.5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 11:54 5-12-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 70-03 Date Gauged 5-12-15
 Site Mountain View Time Gauged 9:23
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 57.84 feet Height of Fluid Column 3.41 feet
 Total Depth 61.25 feet Volume in Well 2.2506 gallons
 (3 Well Volumes = 6.75 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:28 5-12-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:31	1	1	21.3	10.17	7.10	195	850.0
9:34	1	2	20.9	10.35	7.07	185	8656
9:37	1	3	20.2	11.78	7.26	207	10.04
9:40	1	4	20.7	12.28	6.95	205	10.51
9:43	1	5	20.5	12.24	6.91	203	10.46
9:45	1	6	19.8	12.07	6.92	200	10.28
9:47	.75	6.75	19.6	11.96	6.90	199	10.21

Actual Purge Volume 6.75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 9:47 5-12-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 79-04 Date Gauged 5-12-15
 Site ML. Vic0 Time Gauged 12:05
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 36.15 feet Height of Fluid Column 11.7 feet
 Total Depth 47.85 feet Volume in Well 1.989 gallons
 (3 Well Volumes = 5.96 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:09 5-12-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
12:12	1	1	23.4	4106	7.35	212	3116
12:15	1	2	22.9	4119	7.03	217	3131
12:16	1	3	22.8	4123	7.62	218	3135
12:21	1	4	22.7	4131	6.96	217	3141
12:24	1	5	22.6	4129	6.95	217	3140
12:27	1	6	22.7	4128	6.94	216	3141
	1						

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

Time/Date Sampled 12:27 5-12-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

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: Phone #: 915-859-8150
Cell #:
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 (Former Del Norte), P.O. Box 130, Mesilla Park, NM 877
Linda Armstrong 575-233-3620
Project Name: Organ Dairy
Project #: 467717
Sampler Signature: *JMB*

Project Location (including state):
Organ Dairy, 12560 Stern Drive, Mesquite, NM

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
	126-01	1	250	X				X	X	X	X	X	5-13-15	9:53
	126-02	1	250	X				X	X	X	X	X	9:53	9:53
	126-03	1	250	X				X	X	X	X	X	9:53	9:53
	126-04	1	250	X				X	X	X	X	X	10:18	10:18
	126-05	1	250	X				X	X	X	X	X	10:53	10:53
	126-06	1	250	X				X	X	X	X	X	10:53	10:53
		1		X				X	X	X	X	X		
		1		X				X	X	X	X	X		
		1		X				X	X	X	X	X		
		1		X				X	X	X	X	X		
		1		X				X	X	X	X	X		
		1		X				X	X	X	X	X		

Reinquired By: *JMB* Date: 5-13-15 Time: 14:48
 Received By: *[Signature]* Date: 5-13-15 Time: 14:48
 Received at Laboratory By: *[Signature]* Date: Time:
 Lab Use Only: Intact N
 Headspace Y/N: Y/N
 Temp: *21.2*
 Log-in Review:
 Remarks: *COA for*
 Dry Weight Basis Required
 TRRP Report Required

Page 1 of 1
 CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
 LAB Order ID #

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
Chloride EPA 300.0	X
Total Dissolved Solids SM 2540 C MOD	X
Phosphorus SM 4500	
Turn Around Time	
Hold	

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 126-04 Date Gauged 5-13-15
 Site Organ Time Gauged 9:20
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 36.32 feet Height of Fluid Column 1.9 feet
 Total Depth 38.22 feet Volume in Well 1.14 gallons
 (3 Well Volumes = 3.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:23 5-13-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:25	1	1	20.0	3726	6.79	219	2818
9:28	1	2	21.1	3795	7.01	210	2871
9:31	1	3	21.0	3829	6.98	205	2900
9:33	0.5	3.5	21.2	3849	6.96	201	2916

Actual Purge Volume 3.5 gals Field Measurements stabilized within ± 10% X

Time/Date Sampled 9:33 5-13-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 126-07 Date Gauged 5-13-15
 Site Organ Time Gauged 10:10
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 36.71 feet Height of Fluid Column 2.41 feet
 Total Depth 39.12 feet Volume in Well .4097 gallons
 (3 Well Volumes = 1.2291 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:14 5-13-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
10:18	.75	.75	22.0	375a	6.96	235	2832

Actual Purge Volume .75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:18 5-13-15 Purged/Sampled By JY

Sample Method Bail

Requested Analyses _____

Comments/Observations well bailed dry, enough to pull sample.

Well Casing Volumes.

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 126-09 Date Gauged 5-13-15
 Site Organ Time Gauged 10:45
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 79.02 feet Height of Fluid Column 3.54 feet
 Total Depth 82.56 feet Volume in Well .6018 gallons
 (3 Well Volumes = 1.8 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:50 5-13-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
10:53	.5	.5	22.8	4187	7.53	257	3189

Actual Purge Volume .5 gals Field Measurements stabilized within ± 10% _____
 Time/Date Sampled 10:53 5-13-15 Purged/Sampled By JV
 Sample Method Bail
 Requested Analyses _____
 Comments/Observations The well bailed dry.

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 126-05 Date Gauged 5-12-15
 Site Organ Time Gauged 13:21
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 28.89 feet Height of Fluid Column 2.62 feet
 Total Depth 31.51 feet Volume in Well .4454 gallons
 (3 Well Volumes = 1.33 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:26 5-12-15 Purged Method Bai

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

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

Time/Date Sampled 13:32 5-12-15 Purged/Sampled By JV

Sample Method _____

Requested Analyses _____

Comments/Observations Only enough water to sample.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 126-12 Date Gauged 5-12-15
 Site Organ Time Gauged 12:42
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 24.81 feet Height of Fluid Column 5.11 feet
 Total Depth 29.92 feet Volume in Well 3.3726 gallons
 (3 Well Volumes = 10.1 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:46 5-12-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	^{TD5} DO (mg/L)
12:53	3	3	26.7	3417	7.29	-228	2559
12:56	1	4	26.6	3424	7.27	-255	2569
12:59	1	5	26.5	3423	7.28	-257	2570
13:01	1	6	26.7	3424	7.30	-258	2575
13:04	1	7	26.7	3426	7.32	-259	2579
13:06	1	8	26.5	3427	7.31	-261	2584
13:09	1	9	26.0	3420	7.32	-255	2569
13:12	1	10	19.9	3416	7.33	-259	2585

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

Time/Date Sampled 13:12 5-12-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 126-13 Date Gauged 5-12-15
 Site Organ Time Gauged 13:39
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 43.37 feet Height of Fluid Column 15.46 feet
 Total Depth 58.83 feet Volume in Well 2.6282 gallons
 (3 Well Volumes = 7.88 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:43 5-12-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
13:46	1	1	22.4	4840	7.04	-17	3735
13:48	1	2	22.0	4864	6.92	23	3789
13:51	1	3	21.8	4893	6.89	39	3789
13:54	1	4	21.7	4917	6.99	42	3814
13:56	1	5	22.0	4913	6.93	46	3807
13:58	1	6	22.1	4916	6.94	51	3860
14:00	1	7	22.0	4923	6.90	56	3862
14:03	1	8	21.9	4920	6.97	61	3801

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

Time/Date Sampled 14:03 5-12-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 167-01A Date Gauged 5-20-15
 Site River Valley Time Gauged 10:36
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 18.83 feet Height of Fluid Column 6.28 feet
 Total Depth 25.11 feet Volume in Well 1.0676 gallons
 (3 Well Volumes = 3.20 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:41 5-20-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
10:43	1	1	19.3	4418	7.08	328	3409
10:46	1	2	19.3	4469	7.06	331	3452
10:49	1	3	18.8	4487	7.00	341	3464
10:50	.25	3.25	18.7	4504	7.01	340	3483

Actual Purge Volume 3.25 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:50 5-20-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 167-02 Date Gauged 5-20-15

Site River Valley Time Gauged 11:05

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water dry feet Height of Fluid Column _____ feet

Total Depth 21.93 feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations The well is dry.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 167-03 Date Gauged 5-20-15

Site River Valley Time Gauged 11:28

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 24.62 feet Height of Fluid Column 16.18 feet

Total Depth 40.80 feet Volume in Well 10.6788 gallons

(3 Well Volumes = 32. gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:37 5-20-15

Purged Method ~~Hand~~ low flow pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:41			23.6	3101	7.21	161	26 2361
11:43			22.5	3151	7.29	170	2342
11:45			22.6	3159	7.27	180	2345
11:47			22.9	3158	7.37	188	2339

Actual Purge Volume .75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 11:47 5-20-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 167-06 Date Gauged 5-20-15

Site River Valley Time Gauged 9:34

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 32.35 feet Height of Fluid Column 3.28 feet

Total Depth 35.63 feet Volume in Well .5576 gallons

(3 Well Volumes = 1.67 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:39 5-20-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:41	1	1	21.7	4015	7.28	208	3053
9:43	.75	1.75	21.6	3998	7.14	215	3038

Actual Purge Volume 1.75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 9:43 5-20-15 Purged/Sampled By AV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 167-07 Date Gauged 5-20-15
 Site River Valley Time Gauged 9:52
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 18.78 feet Height of Fluid Column 6.15 feet
 Total Depth 24.93 feet Volume in Well 1.0455 gallons
 (3 Well Volumes = 3.13 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:01 5-20-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
10:03	1	1	19.7	2281	6.97	11	1667
10:05	1	2	19.4	2274	6.67	-15	1664
10:07	1	3	19.2	2268	7.78	314	1659
10:08	.25	3.25	19.3	2252	7.31	360	1646

Actual Purge Volume 3.25 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:08 5-20-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations The water was a murky grey color.

Well Casing Volumes

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

TraceAnalysis, 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):
 River Valley Dairy, PO Box 1929, Anthony, NM 88021
 Project #: 467710

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

Project Location (including state):
 River Valley Dairy, 1400 La Chuga Rd, Mesquite, NM
 Project Name: Bruce Bonestroo 575-233-2061
 Sampler Signature: *[Signature]*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				DATE	TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH			ICE
	1L7-04	1	250	X					X	X	X		5-21-15	9:44
	1L7-04	1	250	X					X	X	X			9:44
	1L7-05	1	250	X					X	X	X			10:01
	1L7-05	1	250	X					X	X	X			10:01
	1L7-08	1	250	X					X	X	X			10:36
	1L7-08	1	250	X					X	X	X			10:36
	1L7-09	1	250	X					X	X	X			11:20
	1L7-09	1	250	X					X	X	X			11:20
		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			

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

Relinquished By: *[Signature]* Date: 5-21-15 Time: 13:46
 Received By: *[Signature]* Date: 5-21-15 Time: 13:46
 Relinquished at: Laboratory By: _____ Date: _____ Time: _____

Lab Use Only
 Intact Y / N
 Headspace Y / N
 Temp *0/1* *Coke*
 Log-in Review
 Dry Weight Basis Required
 TRRP Report Required

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 167-01 Date Gauged 5-21-15
 Site River Valley Time Gauged 9:35
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 27.1 feet Height of Fluid Column 3.09 feet
 Total Depth 30.19 feet Volume in Well .5253 gallons
 (3 Well Volumes = 1.5759 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:40 5-21-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:44	1	1	21.3	5431	7.05	78	4321

Actual Purge Volume 1 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 9:44 ~~10~~ 5-21-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations The well bailed dry.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 167-05 Date Gauged 5-21-15
 Site River Valley Time Gauged 10:49
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 18.0 feet Height of Fluid Column 3.40 feet
 Total Depth 21.40 feet Volume in Well 5916 gallons
 (3 Well Volumes = 1.77 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:53 5-21-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS +DO (mg/L)
10:57	1	1	18.9	4319	7.33	82	3362
11:01	.75	1.75	19.0	4294	7.23	87	3339

Actual Purge Volume 1.75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:01 5-21-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 167-08 Date Gauged 5-21-15
 Site River Valley Time Gauged 10:10
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 19.50 feet Height of Fluid Column 11.25 feet
 Total Depth 30.83 feet Volume in Well 1.9125 gallons
 (3 Well Volumes = 5.73 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:16 5-21-15 Purged Method Ball

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS -DO (mg/L)
10:20	1	1	19.2	4360	7.36	28	3384
10:23	1	2	18.6	4375	7.18	9	3407
10:27	1	3	18.5	4385	7.15	6	3414
10:30	1	4	18.6	4383	7.14	4	3413
10:34	1	5	18.8	4382	7.14	4	3412
10:36	.75	5.75	18.6	4377	7.15	3	3409

Actual Purge Volume 5.75 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 10:36 5-21-15 Purged/Sampled By JV

Sample Method Ball

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 167-09 Date Gauged 5-21-15
 Site River Valley Time Gauged 11:13
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 17.95 feet Height of Fluid Column 1.78 feet
 Total Depth 17.95 feet Volume in Well .3026 gallons
 19.73
 (3 Well Volumes = .9078 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:18 5-21-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
11:20	1	1	17.4	3913	7.20	116	3008

Actual Purge Volume 1 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 11:20 5-21-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

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

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

Invoice to (if different from above):
 Sunset Dairy, PO Box 10, Mesquite, NM 88048
 Project #: 46771a Ed DeRuyter 575-233-2029
 Project Name: Sunset Dairy
 Sampler Signature: *Joly*

Project Location (including state):
 Sunset Dairy, 1790

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		
257-01		1		X				X						7:44	
257-01		1		X				X	X	X				7:44	
257-02		1		X				X	X	X				7:10	
257-02		1		X				X	X	X				7:10	
257-00		1		X				X	X	X				8:46	
257-00		1		X				X	X	X				8:46	
257260-01		1		X				X	X	X				7:27	
257260-01		1		X				X	X	X				7:27	
257 Lagoon		1		X				X	X	X				7:27	
257 Lagoon		1		X				X	X	X				7:27	

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
TKN SM 4500 NORG C	X
Chloride EPA 300	X
Total Dissolved Solids SM 2540 C MOD	X
Other - Phosphorus (EPA 6010B)	
Turn Around Time	

Relinquished By: *Joly* Date: 5-26-15 Time: 13:10
 Received By: *Joly* Date: 5-26-15 Time: 13:10
 Relinquished By: _____ Date: _____ Time: _____
 Received at Laboratory By: _____ Date: _____ Time: _____
 Lab Use Only
 Intact Y / N
 Headspace Y / N
 Temp 23 / 23 CE / CE BY / BY
 Log-in Review _____
 Remarks: _____
 2
 Dry Weight Basis Required
 TRRP Report Required

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 257-01 Date Gauged 5-26-15
 Site Sunset Time Gauged 7:36
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 24.20 feet Height of Fluid Column 1.64 feet
 Total Depth 25.84 feet Volume in Well .2788 gallons
 (3 Well Volumes = .8364 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 7:41 5-26-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
7:44	.5	1.5	21.1	5220	7.73		4082

Actual Purge Volume .5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 7:44 5-26-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations The well bailed dry.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 257-02 Date Gauged 5-26-15

Site Sunset Time Gauged 7:03

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 18.24 feet Height of Fluid Column 2.44 feet

Total Depth 20.68 feet Volume in Well .4148 gallons

(3 Well Volumes = 1.2444 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 7:07 5-26-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
7:09	1	1	19.5	4001	7.91		3054
7:10	.25	1.25	18.8	4007	7.93		3060

Actual Purge Volume 1.25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 7:10 5-26-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 257/260-01 Date Gauged 5-26-15
 Site Sunset Time Gauged 8:19
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 16.49 feet Height of Fluid Column 3.7 feet
 Total Depth 20.19 feet Volume in Well 2.412 gallons
 (3 Well Volumes = 7.326 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:28 5-26-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
8:32		1	18.9	4308	7.86		3321
8:35		2	18.8	4312	7.71		3340
8:37		3	19.1	4325	7.67		3341
8:39		4	19.0	4328	7.65		3342
8:41		5	19.2	4329	7.64		3345
8:43		6	19.0	4332	7.62		3347
8:45		7	18.9	4335	7.61		3348
8:46		7.25	18.9	4317	7.58		3349

Actual Purge Volume 7.25 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 8:46 5-26-15 Purged/Sampled By SV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 257-03 Date Gauged 5-26-15

Site Sunset Time Gauged 8:01

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water dry feet Height of Fluid Column _____ feet

Total Depth 13.77 feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

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

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

Time/Date Sampled _____ Purged/Sampled By _____

Sample Method _____

Requested Analyses _____

Comments/Observations The well is dry.

Well Casing Volumes

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

APPENDIX B
ANALYTICAL LABORATORY REPORTS
(Electronic Format – CD)



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Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Linda Armstrong
Organ Dairy LLC

Report Date: May 21, 2015

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

Work Order: 15051226



DP: 455527
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
393119	126-5	water	2015-05-12	13:32	2015-05-12
393120	126-12	water	2015-05-12	13:12	2015-05-12
393121	126-13	water	2015-05-12	14:03	2015-05-12

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 Organ Dairy were received by TraceAnalysis, Inc. on 2015-05-12 and assigned to work order 15051226. Samples for work order 15051226 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	102804	2015-05-12 at 20:17	121505	2015-05-12 at 20:17
NO3 (IC)	E 300.0	102804	2015-05-12 at 20:17	121505	2015-05-12 at 20:17
TDS	SM 2540C	102843	2015-05-14 at 15:00	121549	2015-05-14 at 15:00
TKN	SM 4500-NH3 B,C	102886	2015-05-18 at 12:00	121596	2015-05-18 at 14:40

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 15051226 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.

The temperature of the Cold Box for storing samples was between 6 and 24.5 degrees C for about 30 hours on May 17-18, 2015. We do not feel this will affect your TKN results. All other analyses were prepped before this incidence.

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: 393119 - 126-5

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	670	670	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393119 - 126-5

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	17.6	17.6	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393119 - 126-5

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121549 Date Analyzed: 2015-05-14 Analyzed By: MC
 Prep Batch: 102843 Sample Preparation: 2015-05-14 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	3000	3000	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393119 - 126-5

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121596 Date Analyzed: 2015-05-18 Analyzed By: CF
 Prep Batch: 102886 Sample Preparation: 2015-05-18 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	2.10	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393120 - 126-12

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	393	393	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 393120 - 126-12

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	1,4,5	2.43	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393120 - 126-12

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121549 Date Analyzed: 2015-05-14 Analyzed By: MC
 Prep Batch: 102843 Sample Preparation: 2015-05-14 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	2120	2120	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393120 - 126-12

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121596 Date Analyzed: 2015-05-18 Analyzed By: CF
 Prep Batch: 102886 Sample Preparation: 2015-05-18 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		2,3,6,7	11.2	11.2	<1.18	mg/L	1	1.18	10	1.18

Sample: 393121 - 126-13

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	877	877	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393121 - 126-13

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	40.8	40.8	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393121 - 126-13

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121549 Date Analyzed: 2015-05-14 Analyzed By: MC
 Prep Batch: 102843 Sample Preparation: 2015-05-14 Prepared By: MC

continued . . .

sample 393121 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	3210	3210	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393121 - 126-13

Laboratory: Lubbock
Analysis: TKN
QC Batch: 121596
Prep Batch: 102886

Analytical Method: SM 4500-NH3 B,C
Date Analyzed: 2015-05-18
Sample Preparation: 2015-05-18

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	J	2,3,6,7	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121505
Prep Batch: 102804Date Analyzed: 2015-05-12
QC Preparation: 2015-05-12Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121505
Prep Batch: 102804Date Analyzed: 2015-05-12
QC Preparation: 2015-05-12Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,5	<0.00940	mg/L	0.0094

Method Blank (1)

QC Batch: 121549
Prep Batch: 102843Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14Analyzed 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: 121596
Prep Batch: 102886Date Analyzed: 2015-05-18
QC Preparation: 2015-05-18Analyzed By: CF
Prepared By: CF

Report Date: May 21, 2015

Work Order: 15051226
Organ Dairy

Page Number: 10 of 21
12560 Stern Dr., 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: 393221

QC Batch: 121549
Prep Batch: 102843

Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	3540	3440	mg/L	1	3	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121505
Prep Batch: 102804Date Analyzed: 2015-05-12
QC Preparation: 2015-05-12Analyzed By: JR
Prepared By: JR

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Chloride		1,4,5	23.0	mg/L	1	25.0	<0.0984	92	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		1,4,5	23.1	mg/L	1	25.0	<0.0984	92	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: 121505
Prep Batch: 102804Date Analyzed: 2015-05-12
QC Preparation: 2015-05-12Analyzed By: JR
Prepared By: JR

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Nitrate-N		1,4,5	4.52	mg/L	1	5.00	<0.00940	90	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		1,4,5	4.53	mg/L	1	5.00	<0.00940	91	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: 121549
Prep Batch: 102843Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14Analyzed By: MC
Prepared By: MC

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
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: 121596
Prep Batch: 102886

Date Analyzed: 2015-05-18
QC Preparation: 2015-05-18

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	43.4	mg/L	1	50.0	<1.18	87	82.3 - 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	46.2	mg/L	1	50.0	<1.18	92	82.3 - 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: 393120QC Batch: 121505
Prep Batch: 102804Date Analyzed: 2015-05-12
QC Preparation: 2015-05-12Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,5	1770	mg/L	55.6	1390	393	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		1,4,5	1770	mg/L	55.6	1390	393	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: 393120QC Batch: 121505
Prep Batch: 102804Date Analyzed: 2015-05-12
QC Preparation: 2015-05-12Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,5	266	mg/L	55.6	278	2.43	95	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	267	mg/L	55.6	278	2.43	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: 393222QC Batch: 121596
Prep Batch: 102886Date Analyzed: 2015-05-18
QC Preparation: 2015-05-18Analyzed By: CF
Prepared By: CF

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,6,7	44.1	mg/L	1	50.0	<1.18	88	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,6,7	43.4	mg/L	1	50.0	<1.18	87	76.4 - 120	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: 121505

Date Analyzed: 2015-05-12

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	23.6	94	90 - 110	2015-05-12

Standard (CCV-2)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	4.71	94	90 - 110	2015-05-12

Standard (CCV-3)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	23.9	96	90 - 110	2015-05-12

Standard (CCV-3)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	4.76	95	90 - 110	2015-05-12

Standard (CCV-4)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	24.1	96	90 - 110	2015-05-12

Standard (CCV-4)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	2015-05-12

Standard (CCV-5)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	24.4	98	90 - 110	2015-05-12

Standard (CCV-5)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	2015-05-12

Standard (ICV-1)

QC Batch: 121596

Date Analyzed: 2015-05-18

Analyzed By: CF

Report Date: May 21, 2015

Work Order: 15051226
Organ 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	4.48	90	85 - 115	2015-05-18

Standard (CCV-1)

QC Batch: 121596

Date Analyzed: 2015-05-18

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		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-05-18

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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
 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

Michael Weatherly
 Buena Vista Dairy #2
 16910 Stern Drive
 P.O. Box 346
 Mesquite, NM, 88048

Report Date: May 27, 2015

Work Order: 15051937



DP: 74
 Project Location: 16910 Stern Drive, Mesquite, NM
 Project Name: Buena Vista Dairy #2

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
393559	Lagoon	Water	2015-05-19	13:15	2015-05-19
393560	74-01	Water	2015-05-19	13:40	2015-05-19
393561	74-02	Water	2015-05-19	12:02	2015-05-19
393562	74-03	Water	2015-05-19	12:59	2015-05-19

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 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 Buena Vista Dairy #2 were received by TraceAnalysis, Inc. on 2015-05-19 and assigned to work order 15051937. Samples for work order 15051937 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	102959	2015-05-20 at 10:46	121684	2015-05-20 at 10:46
NO3 (IC)	E 300.0	102959	2015-05-20 at 10:46	121684	2015-05-20 at 10:46
TDS	SM 2540C	102948	2015-05-20 at 13:25	121670	2015-05-20 at 13:25
TKN	SM 4500-NH3 B,C	103003	2015-05-22 at 11:00	121735	2015-05-22 at 13:40

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 15051937 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: 393559 - Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121684 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102959 Sample Preparation: 2015-05-20 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	553	553	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393559 - Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121684 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102959 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	U	1,4,6	<0.0470	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393559 - Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121670 Date Analyzed: 2015-05-20 Analyzed By: MC
 Prep Batch: 102948 Sample Preparation: 2015-05-20 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	4320	4320	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393559 - Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121735 Date Analyzed: 2015-05-22 Analyzed By: CF
 Prep Batch: 103003 Sample Preparation: 2015-05-22 Prepared By: CF

Report Date: May 27, 2015

Work Order: 15051937
Buena Vista Dairy #2

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Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,9	175	175	<1.18	mg/L	1	1.18	10	1.18

Sample: 393560 - 74-01

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121684 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102959 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	784	784	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393560 - 74-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121684 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102959 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	59.2	59.2	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393560 - 74-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121670 Date Analyzed: 2015-05-20 Analyzed By: MC
 Prep Batch: 102948 Sample Preparation: 2015-05-20 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	3060	3060	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393560 - 74-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121735 Date Analyzed: 2015-05-22 Analyzed By: CF
 Prep Batch: 103003 Sample Preparation: 2015-05-22 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	2,3,7,9	2.80	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393561 - 74-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121684 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102959 Sample Preparation: 2015-05-20 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	527	527	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393561 - 74-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121684 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102959 Sample Preparation: 2015-05-20 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	20.7	20.7	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393561 - 74-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121670 Date Analyzed: 2015-05-20 Analyzed By: MC
 Prep Batch: 102948 Sample Preparation: 2015-05-20 Prepared By: MC

continued . . .

sample 393561 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	2180	2180	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393561 - 74-02

Laboratory: Lubbock

Analysis: TKN

QC Batch: 121735

Prep Batch: 103003

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-05-22

Sample Preparation: 2015-05-22

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	2,3,7,9	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393562 - 74-03

Laboratory: El Paso

Analysis: Chloride (IC)

QC Batch: 121684

Prep Batch: 102959

Analytical Method: E 300.0

Date Analyzed: 2015-05-20

Sample Preparation: 2015-05-20

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	1310	1310	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393562 - 74-03

Laboratory: El Paso

Analysis: NO3 (IC)

QC Batch: 121684

Prep Batch: 102959

Analytical Method: E 300.0

Date Analyzed: 2015-05-20

Sample Preparation: 2015-05-20

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	J,Je	1,4,6	1.02	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393562 - 74-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121670 Date Analyzed: 2015-05-20 Analyzed By: MC
 Prep Batch: 102948 Sample Preparation: 2015-05-20 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	4300	4300	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393562 - 74-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121735 Date Analyzed: 2015-05-22 Analyzed By: CF
 Prep Batch: 103003 Sample Preparation: 2015-05-22 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	2,3,7,9	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121670
Prep Batch: 102948Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed 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: 121684
Prep Batch: 102959Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121684
Prep Batch: 102959Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.00940	mg/L	0.0094

Method Blank (1)

QC Batch: 121735
Prep Batch: 103003Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: CF
Prepared By: CF

Report Date: May 27, 2015

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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: 393492

QC Batch: 121670
 Prep Batch: 102948

Date Analyzed: 2015-05-20
 QC Preparation: 2015-05-20

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1360	1360	mg/L	1	0	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121670
Prep Batch: 102948Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed 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	995	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. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	999	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: 121684
Prep Batch: 102959Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	-	mg/L	1	25.0	<0.0984	99	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
Chloride		1,4,6	24.8	mg/L	1	25.0	<0.0984	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: 121684
Prep Batch: 102959Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	-	mg/L	1	5.00	<0.00940	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		Dil.	Spike	Matrix	Rec.		RPD	
			Result	Units		Amount	Result	Rec.	Limit	RPD	Limit
Nitrate-N		1,4,6	4.93	mg/L	1	5.00	<0.00940	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: 121735
Prep Batch: 103003

Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike	Matrix	Rec.		RPD	
			Result	Units		Amount	Result	Rec.	Limit	RPD	Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	44.8	mg/L	1	50.0	<1.18	90	82.3 - 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	Matrix	Rec.		RPD	
			Result	Units		Amount	Result	Rec.	Limit	RPD	Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	46.2	mg/L	1	50.0	<1.18	92	82.3 - 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: 393561QC Batch: 121684
Prep Batch: 102959Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	1990	mg/L	55.6	1390	527	105	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	2000	mg/L	55.6	1390	527	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: 393561QC Batch: 121684
Prep Batch: 102959Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed 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	20.7	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	297	mg/L	55.6	278	20.7	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: 363662QC Batch: 121735
Prep Batch: 103003Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	45.5	mg/L	1	50.0	<1.18	91	76.4 - 120

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

Report Date: May 27, 2015

Work Order: 15051937
Buena Vista Dairy #2

Page Number: 16 of 21
16910 Stern Drive, Mesquite, NM

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	44.8	mg/L	1	50.0	<1.18	90	76.4 - 120	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: 121684

Date Analyzed: 2015-05-20

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	23.9	96	90 - 110	2015-05-20

Standard (CCV-1)

QC Batch: 121684

Date Analyzed: 2015-05-20

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	4.76	95	90 - 110	2015-05-20

Standard (CCV-2)

QC Batch: 121684

Date Analyzed: 2015-05-20

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	24.4	98	90 - 110	2015-05-20

Standard (CCV-2)

QC Batch: 121684

Date Analyzed: 2015-05-20

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	4.85	97	90 - 110	2015-05-20

Standard (CCV-3)

QC Batch: 121684

Date Analyzed: 2015-05-20

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	24.7	99	90 - 110	2015-05-20

Standard (CCV-3)

QC Batch: 121684

Date Analyzed: 2015-05-20

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	4.90	98	90 - 110	2015-05-20

Standard (ICV-1)

QC Batch: 121735

Date Analyzed: 2015-05-22

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	4.34	87	85 - 115	2015-05-22

Standard (CCV-1)

QC Batch: 121735

Date Analyzed: 2015-05-22

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	2015-05-22

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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.

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

15051937 TraceAnalysis, Inc.

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

Project Name: Buena Vista Dairy II
 Project #: 467704

Invoice to (if different from above):
 Buena Vista Dairy II P.O. Box 346, Mesquite, NM 88048
 Mike Weatherly 575-233-0438

Project Location (including state): 1690
 Buena Vista Dairy II ~~10000~~ Stern Drive, Mesquite, NM

Sampler Signature: *Jay*

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
393559-1	Lagoon	1	250	X				X	X	X	X	5-19-15	13:15
-2	Lagoon	1	250	X				X	X	X	X	13:15	13:15
510-1	74-01	1	250	X				X	X	X	X	13:40	13:40
-2	74-01	1	250	X				X	X	X	X	13:40	13:40
510-1	74-02		250	X				X	X	X	X	12:02	12:02
-2	74-02		250	X				X	X	X	X	12:02	12:02
510-1	74-03		250	X				X	X	X	X	12:59	12:59
-2	74-03		250	X				X	X	X	X	12:59	12:59

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
Total Kjeldahl Nitrogen SM 4500 NORG C	X
Chloride EPA 300.0	X
Total Dissolved Solids SM 2540 C MOD	X

Turn Around Time

Hold

Relinquished By: *Jay* Date: 5-19-15 Time: 14:05

Relinquished By: *Don* Date: 5-19-15 Time: 1630

Received By: *Jay* Date: 5-18-15 Time: 14:05

Received at Laboratory By: *TA* Date: 5-20-15 Time: 0930

Lab Use Only
 Intact / N
 Headspace Y N
 Temp 13.2 13.2
 Log-in Review DDH

Remarks: *conting fee*

LS 49368246
 DY-Weight Basis Required
 TRRP Report Required

5-19-15



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

Isaac Dominguez
 Dominguez Dairy #1
 13950 Stern Drive
 P.O. Box 21
 Mesquite, NM, 88048

Report Date: May 27, 2015

Work Order: 15051938



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
393563	Lagoon	Water	2015-05-19	11:01	2015-05-19
393564	624-01	Water	2015-05-19	09:22	2015-05-19
393565	624-02	Water	2015-05-19	10:44	2015-05-19

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 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 2015-05-19 and assigned to work order 15051938. Samples for work order 15051938 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	102959	2015-05-20 at 10:46	121684	2015-05-20 at 10:46
NO3 (IC)	E 300.0	102959	2015-05-20 at 10:46	121684	2015-05-20 at 10:46
TDS	SM 2540C	102948	2015-05-20 at 13:25	121670	2015-05-20 at 13:25
TDS	SM 2540C	102979	2015-05-21 at 14:31	121710	2015-05-21 at 14:31
TKN	SM 4500-NH3 B,C	103003	2015-05-22 at 11:00	121735	2015-05-22 at 13:40

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 15051938 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: 393563 - Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121684 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102959 Sample Preparation: 2015-05-20 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	4530	4530	<9.84	mg/L	100	9.84	2.5	0.0984

Sample: 393563 - Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121684 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102959 Sample Preparation: 2015-05-20 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,Je	1,4,6	1.70	<5.00	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393563 - Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121670 Date Analyzed: 2015-05-20 Analyzed By: MC
 Prep Batch: 102948 Sample Preparation: 2015-05-20 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	21300	21300	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393563 - Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121735 Date Analyzed: 2015-05-22 Analyzed By: CF
 Prep Batch: 103003 Sample Preparation: 2015-05-22 Prepared By: CF

Report Date: May 27, 2015

Work Order: 15051938
Dominguez Dairy #1

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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		2,3,7,9	84.0	84.0	<2.36	mg/L	2	2.36	10	1.18

Sample: 393564 - 624-01

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121684 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102959 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	750	750	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393564 - 624-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121684 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102959 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	16.7	16.7	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393564 - 624-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121670 Date Analyzed: 2015-05-20 Analyzed By: MC
 Prep Batch: 102948 Sample Preparation: 2015-05-20 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		1,4,6	3070	3070	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393564 - 624-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121735 Date Analyzed: 2015-05-22 Analyzed By: CF
 Prep Batch: 103003 Sample Preparation: 2015-05-22 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	2,3,7,9	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393565 - 624-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121684 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102959 Sample Preparation: 2015-05-20 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	859	859	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393565 - 624-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121684 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102959 Sample Preparation: 2015-05-20 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	17.3	17.3	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393565 - 624-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121710 Date Analyzed: 2015-05-21 Analyzed By: MC
 Prep Batch: 102979 Sample Preparation: 2015-05-21 Prepared By: MC

continued . . .

sample 393565 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	3020	3020	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393565 - 624-02

Laboratory:	Lubbock	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
Analysis:	TKN	Date Analyzed:	2015-05-22	Analyzed By:	CF
QC Batch:	121735	Sample Preparation:	2015-05-22	Prepared By:	CF
Prep Batch:	103003				

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	u	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121670
Prep Batch: 102948Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed 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: 121684
Prep Batch: 102959Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121684
Prep Batch: 102959Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.00940	mg/L	0.0094

Method Blank (1)

QC Batch: 121710
Prep Batch: 102979Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21Analyzed By: MC
Prepared By: MC

Report Date: May 27, 2015

Work Order: 15051938
Dominguez Dairy #1

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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: 121735
Prep Batch: 103003

Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22

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: 393492QC Batch: 121670
Prep Batch: 102948Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1360	1360	mg/L	1	0	10

Duplicate (1) Duplicated Sample: 393667QC Batch: 121710
Prep Batch: 102979Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1680	1540	mg/L	1	9	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121670
Prep Batch: 102948Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed 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	995	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. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	999	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: 121684
Prep Batch: 102959Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	-	mg/L	1	25.0	<0.0984	99	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
Chloride		1,4,6	24.8	mg/L	1	25.0	<0.0984	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: 121684
Prep Batch: 102959Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	-	mg/L	1	5.00	<0.00940	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		Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,6	4.93	mg/L	1	5.00	<0.00940	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: 121710
Prep Batch: 102979

Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
			Result	Units					
Total Dissolved Solids		1,4,6	992	mg/L	1	1000	<2.50	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		Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Dissolved Solids		1,4,6	1000	mg/L	1	1000	<2.50	100	90 - 110	1	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: 121735
Prep Batch: 103003

Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,9	44.8	mg/L	1	50.0	<1.18	90	82.3 - 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.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,7,9	46.2	mg/L	1	50.0	<1.18	92	82.3 - 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: 393561QC Batch: 121684
Prep Batch: 102959Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,6	1990	mg/L	55.6	1390	527	105	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	2000	mg/L	55.6	1390	527	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: 393561QC Batch: 121684
Prep Batch: 102959Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,6	296	mg/L	55.6	278	20.7	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,6	297	mg/L	55.6	278	20.7	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: 363662QC Batch: 121735
Prep Batch: 103003Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: CF
Prepared By: CF

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,9	45.5	mg/L	1	50.0	<1.18	91	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,7,9	44.8	mg/L	1	50.0	<1.18	90	76.4 - 120	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: 121684

Date Analyzed: 2015-05-20

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	24.4	98	90 - 110	2015-05-20

Standard (CCV-2)

QC Batch: 121684

Date Analyzed: 2015-05-20

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	4.85	97	90 - 110	2015-05-20

Standard (CCV-3)

QC Batch: 121684

Date Analyzed: 2015-05-20

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	24.7	99	90 - 110	2015-05-20

Standard (CCV-3)

QC Batch: 121684

Date Analyzed: 2015-05-20

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	4.90	98	90 - 110	2015-05-20

Standard (CCV-4)

QC Batch: 121684

Date Analyzed: 2015-05-20

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	2015-05-20

Standard (CCV-4)

QC Batch: 121684

Date Analyzed: 2015-05-20

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	4.93	99	90 - 110	2015-05-20

Standard (ICV-1)

QC Batch: 121735

Date Analyzed: 2015-05-22

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	4.34	87	85 - 115	2015-05-22

Standard (CCV-1)

QC Batch: 121735

Date Analyzed: 2015-05-22

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	2015-05-22

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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.



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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 #2
 13600 Stern Drive
 P. O. Box 21
 Mesquite, NM, 88048

Report Date: May 27, 2015

Work Order: 15051826



Project Location: 13600 Stern Dr. Mesquite, NM
 Project Name: Dominguez Dairy #2
 Project Number: 455524

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
393487	lagoon	water	2015-05-18	09:15	2015-05-18
393488	42-02	water	2015-05-18	10:17	2015-05-18
393489	42-03	water	2015-05-18	08:51	2015-05-18
393490	42-06	water	2015-05-18	11:14	2015-05-18
393491	42-09	water	2015-05-18	11:32	2015-05-18
393492	42-10	water	2015-05-18	13:32	2015-05-18
393493	42-11	water	2015-05-18	12:56	2015-05-18
393494	42-12	water	2015-05-18	13:19	2015-05-18
393495	42-13	water	2015-05-18	09:46	2015-05-18

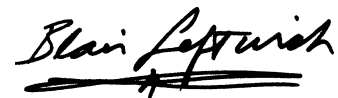
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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 29 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 Dominguez Dairy #2 were received by TraceAnalysis, Inc. on 2015-05-18 and assigned to work order 15051826. Samples for work order 15051826 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	102934	2015-05-20 at 11:32	121654	2015-05-19 at 11:32
NO3 (IC)	E 300.0	102934	2015-05-20 at 11:32	121654	2015-05-19 at 11:32
TDS	SM 2540C	102927	2015-05-19 at 13:30	121643	2015-05-19 at 13:30
TDS	SM 2540C	102948	2015-05-20 at 13:25	121670	2015-05-20 at 13:25
TKN	SM 4500-NH3 B,C	102973	2015-05-21 at 09:40	121703	2015-05-21 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 15051826 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: 393487 - lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
 Prep Batch: 102934 Sample Preparation: 2015-05-20 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	912	912	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393487 - lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
 Prep Batch: 102934 Sample Preparation: 2015-05-20 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,Je	1,4,6	1.05	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393487 - lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121643 Date Analyzed: 2015-05-19 Analyzed By: MC
 Prep Batch: 102927 Sample Preparation: 2015-05-19 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	4260	4260	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393487 - lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121703 Date Analyzed: 2015-05-21 Analyzed By: CF
 Prep Batch: 102973 Sample Preparation: 2015-05-21 Prepared By: CF

Report Date: May 27, 2015
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Work Order: 15051826
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Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Total Kjeldahl Nitrogen - N		2,3,7,9	224	224	<1.18	mg/L	1	1.18	10	1.18

Sample: 393488 - 42-02

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
Prep Batch: 102934 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Chloride		1,4,6	482	482	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393488 - 42-02

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
Prep Batch: 102934 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Nitrate-N		1,4,6	6.92	6.92	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393488 - 42-02

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 121643 Date Analyzed: 2015-05-19 Analyzed By: MC
Prep Batch: 102927 Sample Preparation: 2015-05-19 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	2360	2360	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393488 - 42-02

Report Date: May 27, 2015
455524

Work Order: 15051826
Dominguez Dairy #2

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Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 121703 Date Analyzed: 2015-05-21 Analyzed By: CF
Prep Batch: 102973 Sample Preparation: 2015-05-21 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,7,9	5.60	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393489 - 42-03

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
Prep Batch: 102934 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	1010	1010	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393489 - 42-03

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
Prep Batch: 102934 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	86.9	86.9	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393489 - 42-03

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 121643 Date Analyzed: 2015-05-19 Analyzed By: MC
Prep Batch: 102927 Sample Preparation: 2015-05-19 Prepared By: MC

continued . . .

sample 393489 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	3470	3470	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393489 - 42-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121703 Date Analyzed: 2015-05-21 Analyzed By: CF
 Prep Batch: 102973 Sample Preparation: 2015-05-21 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	2,3,7,9	2.10	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393490 - 42-06

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
 Prep Batch: 102934 Sample Preparation: 2015-05-20 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	373	373	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 393490 - 42-06

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
 Prep Batch: 102934 Sample Preparation: 2015-05-20 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	90.6	90.6	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393490 - 42-06

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121643 Date Analyzed: 2015-05-19 Analyzed By: MC
 Prep Batch: 102927 Sample Preparation: 2015-05-19 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	2160	2160	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393490 - 42-06

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121703 Date Analyzed: 2015-05-21 Analyzed By: CF
 Prep Batch: 102973 Sample Preparation: 2015-05-21 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	2,3,7,9	2.80	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393491 - 42-09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
 Prep Batch: 102934 Sample Preparation: 2015-05-20 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	733	733	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393491 - 42-09

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Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
Prep Batch: 102934 Sample Preparation: 2015-05-20 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	58.0	58.0	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393491 - 42-09

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 121643 Date Analyzed: 2015-05-19 Analyzed By: MC
Prep Batch: 102927 Sample Preparation: 2015-05-19 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	3050	3050	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393491 - 42-09

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 121703 Date Analyzed: 2015-05-21 Analyzed By: CF
Prep Batch: 102973 Sample Preparation: 2015-05-21 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: 393492 - 42-10

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
Prep Batch: 102934 Sample Preparation: 2015-05-20 Prepared By: JR

continued ...

sample 393492 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	471	471	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 393492 - 42-10

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
 Prep Batch: 102934 Sample Preparation: 2015-05-20 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,Je	1,4,6	1.07	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393492 - 42-10

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121670 Date Analyzed: 2015-05-20 Analyzed By: MC
 Prep Batch: 102948 Sample Preparation: 2015-05-20 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	1360	1360	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393492 - 42-10

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121703 Date Analyzed: 2015-05-21 Analyzed By: CF
 Prep Batch: 102973 Sample Preparation: 2015-05-21 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: 393493 - 42-11

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
 Prep Batch: 102934 Sample Preparation: 2015-05-20 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	308	308	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 393493 - 42-11

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
 Prep Batch: 102934 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	J,Je	1,4,6	1.79	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393493 - 42-11

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121670 Date Analyzed: 2015-05-20 Analyzed By: MC
 Prep Batch: 102948 Sample Preparation: 2015-05-20 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	1100	1100	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393493 - 42-11

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121703 Date Analyzed: 2015-05-21 Analyzed By: CF
 Prep Batch: 102973 Sample Preparation: 2015-05-21 Prepared By: CF

continued . . .

sample 393493 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	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393494 - 42-12

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
 Prep Batch: 102934 Sample Preparation: 2015-05-20 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	350	350	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 393494 - 42-12

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
 Prep Batch: 102934 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	J,Je	1,4,6	1.78	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393494 - 42-12

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121670 Date Analyzed: 2015-05-20 Analyzed By: MC
 Prep Batch: 102948 Sample Preparation: 2015-05-20 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	1120	1120	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393494 - 42-12

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121703 Date Analyzed: 2015-05-21 Analyzed By: CF
 Prep Batch: 102973 Sample Preparation: 2015-05-21 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: 393495 - 42-13

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
 Prep Batch: 102934 Sample Preparation: 2015-05-20 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	830	830	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393495 - 42-13

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121654 Date Analyzed: 2015-05-19 Analyzed By: JR
 Prep Batch: 102934 Sample Preparation: 2015-05-20 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	50.6	50.6	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393495 - 42-13

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Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 121670 Date Analyzed: 2015-05-20 Analyzed By: MC
Prep Batch: 102948 Sample Preparation: 2015-05-20 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	3340	3340	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393495 - 42-13

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 121703 Date Analyzed: 2015-05-21 Analyzed By: CF
Prep Batch: 102973 Sample Preparation: 2015-05-21 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121643
Prep Batch: 102927

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-19

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: 121654
Prep Batch: 102934

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-20

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121654
Prep Batch: 102934

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-20

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.00940	mg/L	0.0094

Method Blank (1)

QC Batch: 121670
Prep Batch: 102948

Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20

Analyzed 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

Method Blank (1)

QC Batch: 121703
Prep Batch: 102973

Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21

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

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121643
Prep Batch: 102927

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-19

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	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. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	937	mg/L	1	1000	<2.50	94	90 - 110	6	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: 121654
Prep Batch: 102934

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-20

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	24.9	mg/L	1	25.0	<0.0984	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
Chloride		1,4,6	24.8	mg/L	1	25.0	<0.0984	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: 121654
Prep Batch: 102934

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-20

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	4.94	mg/L	1	5.00	<0.00940	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,6	4.93	mg/L	1	5.00	<0.00940	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: 121670
Prep Batch: 102948

Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20

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	995	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Dissolved Solids		1,4,6	999	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: 121703
Prep Batch: 102973

Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,9	44.8	mg/L	1	50.0	<1.18	90	82.3 - 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		2,3,7,9	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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: 393494

QC Batch: 121654
Prep Batch: 102934

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-20

Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	1770	mg/L	55.6	1390	350	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	1770	mg/L	55.6	1390	350	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: 393494

QC Batch: 121654
Prep Batch: 102934

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-20

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	277	mg/L	55.6	278	1.78	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	276	mg/L	55.6	278	1.78	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: 393539

QC Batch: 121703
Prep Batch: 102973

Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	51.1	mg/L	1	50.0	9.8	83	76.4 - 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 Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	51.8	mg/L	1	50.0	9.8	84	76.4 - 120	1	20

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	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	4.34	87	85 - 115	2015-05-21

Standard (CCV-1)

QC Batch: 121703

Date Analyzed: 2015-05-21

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	2015-05-21

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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.

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 Lubbock, TX 79424
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 Fax (806) 794-1298

Company Name: **D&H Petroleum & Environmental Services**
 Phone #: 915-859-8150
 Cell #:

Address: (Street, City, Zip)
 1221 Tower Trail Ln., El Paso, Texas 79907
 Fax #: 915-859-8150

Contact Person: **Victor Ayala**
 E-mail: vayala@dhpump.com

Invoice to (if different from above):
 Dominguez Dairy #2, P.O. Box 21, Mesquite, NM 88048
 Project #: **467719**

Project Name: **Dominguez Dairy #2**

Sampler Signature: *Jub*

Project Location (including state):
 Dominguez Dairy #2, 13600 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
393497	lagoon	1	250	X				X	X	X	X	5-18-15	9:15
882	lagoon	1		X				X	X	X	X	5-18-15	9:15
881	42-02	1		X				X	X	X	X	10:17	
1-2	42-02	1		X				X	X	X	X	10:17	
881	42-03	1		X				X	X	X	X	8:51	
1-2	42-03	1		X				X	X	X	X	8:51	
901	42-06	1		X				X	X	X	X	11:14	
1-2	42-06	1		X				X	X	X	X	11:14	
911	42-09	1		X				X	X	X	X	11:32	
1-2	42-09	1		X				X	X	X	X	11:32	
921	42-10	1		X				X	X	X	X	13:32	
1-2	42-10	1		X				X	X	X	X	13:32	
931	42-11	1		X				X	X	X	X	12:56	
1-2	42-11	1		X				X	X	X	X	12:56	
941	42-12	1		X				X	X	X	X	13:19	
1-2	42-12	1		X				X	X	X	X	13:19	
1-2	42-12	1		X				X	X	X	X	13:19	

ANALYSIS REQUEST
 TPH 418.1 / TX1005
 TX 1005 Extended (C35)
 PAH 8270C
 PAH 8270
 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
 Turn Around Time

Lab Use Only
 Intact Y N
 Headspace Y N
 Temp R E Z S
 Log-in/Review M G A

Relinquished By: *Jub* Date: 5-18-15 Time: 14:15
 Relinquished By: *Dyah TA* Date: 5-18-15 Time: 14:30
 Received By: *Dyah TA* Date: 5-18-15 Time: 14:05
 Received at Laboratory By: *Dyah TA* Date: 5-19-15 Time: 9:30

Remarks: *B3 CARRY IN*
3.3
LS 4936 8245
 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

Fernie Franco
 Buena Vista Dairy #2
 16910 Stern Drive
 P.O. Box 346
 Mesquite, NM, 88048

Report Date: May 27, 2015

Work Order: 15052036



DP: 467707
 Project Location: 16910 Stern Drive, Mesquite, NM
 Project Name: Buena Vista Dairy #2

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
393661	74-04	water	0015-05-20	09:20	2015-05-20
393662	74-05	water	0015-05-20	08:45	2015-05-20

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 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 Buena Vista Dairy #2 were received by TraceAnalysis, Inc. on 2015-05-20 and assigned to work order 15052036. Samples for work order 15052036 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	102960	2015-05-20 at 18:44	121685	2015-05-20 at 18:44
NO3 (IC)	E 300.0	102960	2015-05-20 at 18:44	121685	2015-05-20 at 18:44
TDS	SM 2540C	102979	2015-05-21 at 14:31	121710	2015-05-21 at 14:31
TKN	SM 4500-NH3 B,C	103003	2015-05-22 at 11:00	121735	2015-05-22 at 13:40

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 15052036 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: 393661 - 74-04

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 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	524	524	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393661 - 74-04

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 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	22.4	22.4	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393661 - 74-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121710 Date Analyzed: 2015-05-21 Analyzed By: MC
 Prep Batch: 102979 Sample Preparation: 2015-05-21 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	1900	1900	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393661 - 74-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121735 Date Analyzed: 2015-05-22 Analyzed By: CF
 Prep Batch: 103003 Sample Preparation: 2015-05-22 Prepared By: CF

Report Date: May 27, 2015

Work Order: 15052036
Buena Vista Dairy #2

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16910 Stern Drive, Mesquite, NM

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(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: 393662 - 74-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	495	495	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393662 - 74-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	20.0	20.0	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393662 - 74-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121710 Date Analyzed: 2015-05-21 Analyzed By: MC
 Prep Batch: 102979 Sample Preparation: 2015-05-21 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	1960	1960	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393662 - 74-05

Report Date: May 27, 2015

Work Order: 15052036
Buena Vista Dairy #2

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16910 Stern Drive, Mesquite, NM

Laboratory: Lubbock

Analysis: TKN

QC Batch: 121735

Prep Batch: 103003

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-05-22

Sample Preparation: 2015-05-22

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	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121685
Prep Batch: 102960Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121685
Prep Batch: 102960Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.00940	mg/L	0.0094

Method Blank (1)

QC Batch: 121710
Prep Batch: 102979Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21Analyzed 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: 121735
Prep Batch: 103003Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: CF
Prepared By: CF

Report Date: May 27, 2015

Work Order: 15052036
Buena Vista Dairy #2

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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: 393667

QC Batch: 121710
 Prep Batch: 102979

Date Analyzed: 2015-05-21
 QC Preparation: 2015-05-21

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1680	1540	mg/L	1	9	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121685
Prep Batch: 102960Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	25.1	mg/L	1	25.0	<0.0984	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		1,4,6	25.1	mg/L	1	25.0	<0.0984	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: 121685
Prep Batch: 102960Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	4.99	mg/L	1	5.00	<0.00940	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
Nitrate-N		1,4,6	4.99	mg/L	1	5.00	<0.00940	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: 121710
Prep Batch: 102979Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21Analyzed 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	992	mg/L	1	1000	<2.50	99	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	1	1000	<2.50	100	90 - 110	1	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: 121735
Prep Batch: 103003

Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22

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		2,3,7,9	44.8	mg/L	1	50.0	<1.18	90	82.3 - 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		2,3,7,9	46.2	mg/L	1	50.0	<1.18	92	82.3 - 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: 393667QC Batch: 121685
Prep Batch: 102960Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	1610	mg/L	55.6	1390	206	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
Chloride		1,4,6	1610	mg/L	55.6	1390	206	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: 393667QC Batch: 121685
Prep Batch: 102960Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	277	mg/L	55.6	278	<0.523	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
Nitrate-N		1,4,6	277	mg/L	55.6	278	<0.523	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: 363662QC Batch: 121735
Prep Batch: 103003Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	45.5	mg/L	1	50.0	<1.18	91	76.4 - 120

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

Report Date: May 27, 2015

Work Order: 15052036
Buena Vista Dairy #2

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16910 Stern Drive, Mesquite, NM

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	44.8	mg/L	1	50.0	<1.18	90	76.4 - 120	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: 121685

Date Analyzed: 2015-05-20

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	2015-05-20

Standard (CCV-1)

QC Batch: 121685

Date Analyzed: 2015-05-20

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	4.96	99	90 - 110	2015-05-20

Standard (CCV-2)

QC Batch: 121685

Date Analyzed: 2015-05-20

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	25.1	100	90 - 110	2015-05-20

Standard (CCV-2)

QC Batch: 121685

Date Analyzed: 2015-05-20

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	2015-05-20

Standard (ICV-1)

QC Batch: 121735

Date Analyzed: 2015-05-22

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	4.34	87	85 - 115	2015-05-22

Standard (CCV-1)

QC Batch: 121735

Date Analyzed: 2015-05-22

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	2015-05-22

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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.

15052036

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 Lubbock, TX 79424
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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 #:
 Fax #:
 E-mail: vayala@dhpump.com

Project #: 467704
 Project Name: Buena Vista Dairy #2
 Project Location (including state): Buena Vista Dairy #2, 16910 Stern Drive, Mesquite, NM
 Buena Vista Dairy #2, P.O. Box 346, Mesquite, NM 88048
 Fernie 575-233-4646
 Sampler Signature: *guy*

Page 1 of 1
 CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
 LAB Order ID # 15052036

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	Turn Around Time	Hold

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
393661-1	74-04	1	250	X				X	X	X	X	5-20-15	9:20
-2	74-04	1	250	X				X	X	X	X	5-20-15	9:20
62-1	74-05	1	250	X				X	X	X	X	5-20-15	8:45
1-2	74-05	1	250	X				X	X	X	X	5-20-15	8:45
		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: *guy* Date: 5-20-15 Time: 13:15
 Received By: *guy* Date: 5-20-15 Time: 13:15
 Lab Use Only
 Intact N
 Headspace Y N
 Temp C F
 Log-in Review

Remarks: *Carry In*
LS 49368247
 Dry Weight Basls Required
 TRRP Report Required



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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: May 29, 2015

Work Order: 15052037



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
393663	Lagoon	water	2015-05-20	10:27	2015-05-20
393664	167-01A	water	2015-05-20	10:50	2015-05-20
393665	167-03	water	2015-05-20	11:47	2015-05-20
393666	167-06	water	2015-05-20	09:43	2015-05-20
393667	167-07	water	2015-05-20	10:08	2015-05-20

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 River Valley Dairy, LLC were received by TraceAnalysis, Inc. on 2015-05-20 and assigned to work order 15052037. Samples for work order 15052037 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	102960	2015-05-20 at 18:44	121685	2015-05-20 at 18:44
NO3 (IC)	E 300.0	102960	2015-05-20 at 18:44	121685	2015-05-20 at 18:44
TDS	SM 2540C	102979	2015-05-21 at 14:31	121710	2015-05-21 at 14:31
TKN	SM 4500-NH3 B,C	103003	2015-05-22 at 11:00	121735	2015-05-22 at 13:40
TKN	SM 4500-NH3 B,C	103118	2015-05-29 at 10:30	121871	2015-05-29 at 14:15

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 15052037 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: 393663 - Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	822	822	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393663 - Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	U	1,4,5	<0.0470	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393663 - Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121710 Date Analyzed: 2015-05-21 Analyzed By: MC
 Prep Batch: 102979 Sample Preparation: 2015-05-21 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	3880	3880	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393663 - Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121735 Date Analyzed: 2015-05-22 Analyzed By: CF
 Prep Batch: 103003 Sample Preparation: 2015-05-22 Prepared By: CF

Report Date: May 29, 2015

Work Order: 15052037
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Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,6,7	89.6	89.6	<1.18	mg/L	1	1.18	10	1.18

Sample: 393664 - 167-01A

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	693	693	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393664 - 167-01A

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 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,Je	1,4,5	1.18	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393664 - 167-01A

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121710 Date Analyzed: 2015-05-21 Analyzed By: MC
 Prep Batch: 102979 Sample Preparation: 2015-05-21 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	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393664 - 167-01A

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121871 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103118 Sample Preparation: 2015-05-29 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: 393665 - 167-03

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	478	478	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393665 - 167-03

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	12.6	12.6	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393665 - 167-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121710 Date Analyzed: 2015-05-21 Analyzed By: MC
 Prep Batch: 102979 Sample Preparation: 2015-05-21 Prepared By: MC

continued . . .

sample 393665 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	1940	1940	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393665 - 167-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121871 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103118 Sample Preparation: 2015-05-29 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: 393666 - 167-06

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	649	649	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393666 - 167-06

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	19.7	19.7	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393666 - 167-06

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121710 Date Analyzed: 2015-05-21 Analyzed By: MC
 Prep Batch: 102979 Sample Preparation: 2015-05-21 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	2490	2490	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393666 - 167-06

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121871 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103118 Sample Preparation: 2015-05-29 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: 393667 - 167-07

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	206	206	<0.492	mg/L	5	0.492	2.5	0.0984

Sample: 393667 - 167-07

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121685 Date Analyzed: 2015-05-20 Analyzed By: JR
 Prep Batch: 102960 Sample Preparation: 2015-05-20 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	u	1,4,5	<0.0470	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393667 - 167-07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121710 Date Analyzed: 2015-05-21 Analyzed By: MC
 Prep Batch: 102979 Sample Preparation: 2015-05-21 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	1540	1540	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393667 - 167-07

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121871 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103118 Sample Preparation: 2015-05-29 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

Method Blanks

Method Blank (1)

QC Batch: 121685
Prep Batch: 102960Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121685
Prep Batch: 102960Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,5	<0.00940	mg/L	0.0094

Method Blank (1)

QC Batch: 121710
Prep Batch: 102979Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21Analyzed 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: 121735
Prep Batch: 103003Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed 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: 121871
Prep Batch: 103118

Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29

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: 393667

QC Batch: 121710
 Prep Batch: 102979

Date Analyzed: 2015-05-21
 QC Preparation: 2015-05-21

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	1680	1540	mg/L	1	9	10

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	1	1000	<2.50	100	90 - 110	1	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: 121735
Prep Batch: 103003

Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22

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	44.8	mg/L	1	50.0	<1.18	90	82.3 - 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	46.2	mg/L	1	50.0	<1.18	92	82.3 - 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: 121871
Prep Batch: 103118

Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29

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	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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	44.8	mg/L	1	50.0	<1.18	90	82.3 - 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: 393667QC Batch: 121685
Prep Batch: 102960Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,5	1610	mg/L	55.6	1390	206	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		1,4,5	1610	mg/L	55.6	1390	206	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: 393667QC Batch: 121685
Prep Batch: 102960Date Analyzed: 2015-05-20
QC Preparation: 2015-05-20Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,5	277	mg/L	55.6	278	<0.523	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	277	mg/L	55.6	278	<0.523	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: 363662QC Batch: 121735
Prep Batch: 103003Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: CF
Prepared By: CF

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,6,7	45.5	mg/L	1	50.0	<1.18	91	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,6,7	44.8	mg/L	1	50.0	<1.18	90	76.4 - 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: 393817

QC Batch: 121871
Prep Batch: 103118

Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29

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	42.7	mg/L	1	50.0	<1.18	85	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,6,7	44.1	mg/L	1	50.0	<1.18	88	76.4 - 120	3	20

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

Standard (CCV-3)

QC Batch: 121685

Date Analyzed: 2015-05-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.1	100	90 - 110	2015-05-20

Standard (CCV-3)

QC Batch: 121685

Date Analyzed: 2015-05-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.98	100	90 - 110	2015-05-20

Standard (CCV-4)

QC Batch: 121685

Date Analyzed: 2015-05-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.1	100	90 - 110	2015-05-20

Standard (CCV-4)

QC Batch: 121685

Date Analyzed: 2015-05-20

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	5.00	100	90 - 110	2015-05-20

Standard (ICV-1)

QC Batch: 121735

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-1)

QC Batch: 121735

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (ICV-1)

QC Batch: 121871

Date Analyzed: 2015-05-29

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	2015-05-29

Standard (CCV-1)

QC Batch: 121871

Date Analyzed: 2015-05-29

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	2015-05-29

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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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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)

Joe Gonzalez
Gonzalez Farmes
14310 Stern Drive
P.O. Box 199
Mesquite, NM, 88048

Report Date: June 1, 2015

Work Order: 15051342



DP: 467706
Project Location: 14310 Stern Dr., Mesquite, NM
Project Name: Gonzalez Farmes

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
393221	177-05	water	2015-05-13	12:23	2015-05-13
393222	177-01	water	2015-05-13	13:01	2015-05-13
393223	177-02	water	2015-05-13	13:37	2015-05-13

Report Corrections (Work Order 15051342)

- 6/1/15: Reran and reported Chloride on sample 393221.

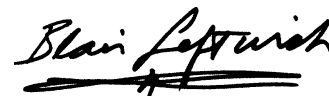
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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.

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 Gonzalez Farmes were received by TraceAnalysis, Inc. on 2015-05-13 and assigned to work order 15051342. Samples for work order 15051342 were received intact at a temperature of 1 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	102805	2015-05-13 at 21:42	121507	2015-05-13 at 21:42
NO3 (IC)	E 300.0	102805	2015-05-13 at 21:42	121507	2015-05-13 at 21:42
TDS	SM 2540C	102843	2015-05-14 at 15:00	121549	2015-05-14 at 15:00
TDS	SM 2540C	102927	2015-05-19 at 13:30	121643	2015-05-19 at 13:30
TKN	SM 4500-NH3 B,C	102886	2015-05-18 at 12:00	121596	2015-05-18 at 14:40
TKN	SM 4500-NH3 B,C	102971	2015-05-21 at 09:40	121696	2015-05-21 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 15051342 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.

The temperature of the Cold Box for storing samples was between 6 and 24.5 degrees C for about 30 hours on May 17-18, 2015. We do not feel this will affect your TKN results. All other analyses were prepped before this incidence.

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. 121507 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 393221 - 177-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121507 Date Analyzed: 2015-05-13 Analyzed By: JR
 Prep Batch: 102805 Sample Preparation: 2015-05-13 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	1110	1110	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393221 - 177-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121507 Date Analyzed: 2015-05-13 Analyzed By: JR
 Prep Batch: 102805 Sample Preparation: 2015-05-13 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		B,Je,MI5 1,4,5	46.5	46.5	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393221 - 177-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121549 Date Analyzed: 2015-05-14 Analyzed By: MC
 Prep Batch: 102843 Sample Preparation: 2015-05-14 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	3440	3440	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393221 - 177-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121596 Date Analyzed: 2015-05-18 Analyzed By: CF
 Prep Batch: 102886 Sample Preparation: 2015-05-18 Prepared By: CF

Report Date: June 1, 2015

Work Order: 15051342
Gonzalez Farmes

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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: 393222 - 177-01

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121507 Date Analyzed: 2015-05-13 Analyzed By: JR
 Prep Batch: 102805 Sample Preparation: 2015-05-13 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	1370	1370	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393222 - 177-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121507 Date Analyzed: 2015-05-13 Analyzed By: JR
 Prep Batch: 102805 Sample Preparation: 2015-05-13 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		B,Je,MI5 1,4,5	30.4	30.4	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393222 - 177-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121643 Date Analyzed: 2015-05-19 Analyzed By: MC
 Prep Batch: 102927 Sample Preparation: 2015-05-19 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	4160	4160	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393222 - 177-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121596 Date Analyzed: 2015-05-18 Analyzed By: CF
 Prep Batch: 102886 Sample Preparation: 2015-05-18 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: 393223 - 177-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121507 Date Analyzed: 2015-05-13 Analyzed By: JR
 Prep Batch: 102805 Sample Preparation: 2015-05-13 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	923	923	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393223 - 177-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121507 Date Analyzed: 2015-05-13 Analyzed By: JR
 Prep Batch: 102805 Sample Preparation: 2015-05-13 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		B,Je,MI5 1,4,5	17.3	17.3	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393223 - 177-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121643 Date Analyzed: 2015-05-19 Analyzed By: MC
 Prep Batch: 102927 Sample Preparation: 2015-05-19 Prepared By: MC

continued . . .

sample 393223 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
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	2980	2980	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393223 - 177-02

Laboratory: Lubbock
Analysis: TKN
QC Batch: 121696
Prep Batch: 102971

Analytical Method: SM 4500-NH3 B,C
Date Analyzed: 2015-05-21
Sample Preparation: 2015-05-21

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)
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	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121507
Prep Batch: 102805Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121507
Prep Batch: 102805Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,Je,MI5	1,4,5	0.168	mg/L	0.0094

Method Blank (1)

QC Batch: 121549
Prep Batch: 102843Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14Analyzed 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: 121596
Prep Batch: 102886Date Analyzed: 2015-05-18
QC Preparation: 2015-05-18Analyzed By: CF
Prepared By: CF

Report Date: June 1, 2015

Work Order: 15051342
Gonzalez Farmes

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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: 121643
Prep Batch: 102927

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-19

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: 121696
Prep Batch: 102971

Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21

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: 393221QC Batch: 121549
Prep Batch: 102843Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	3540	3440	mg/L	1	3	10

Duplicate (1) Duplicated Sample: 393222QC Batch: 121643
Prep Batch: 102927Date Analyzed: 2015-05-19
QC Preparation: 2015-05-19Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	4100	4160	mg/L	1	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121507
Prep Batch: 102805Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	24.8	mg/L	1	25.0	<0.0984	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	24.8	mg/L	1	25.0	<0.0984	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: 121507
Prep Batch: 102805Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed 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	<0.00940	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	4.91	mg/L	1	5.00	<0.00940	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: 121549
Prep Batch: 102843Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14Analyzed 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: 121596
Prep Batch: 102886

Date Analyzed: 2015-05-18
QC Preparation: 2015-05-18

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	43.4	mg/L	1	50.0	<1.18	87	82.3 - 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	46.2	mg/L	1	50.0	<1.18	92	82.3 - 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: 121643
Prep Batch: 102927

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-19

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	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	937	mg/L	1	1000	<2.50	94	90 - 110	6	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: 121696
Prep Batch: 102971

Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21

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	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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	44.8	mg/L	1	50.0	<1.18	90	82.3 - 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: 393218QC Batch: 121507
Prep Batch: 102805Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,5	2050	mg/L	55.6	1390	575	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		1,4,5	2060	mg/L	55.6	1390	575	107	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: 393218QC Batch: 121507
Prep Batch: 102805Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,5	293	mg/L	55.6	278	17.9	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,5	293	mg/L	55.6	278	17.9	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: 393222QC Batch: 121596
Prep Batch: 102886Date Analyzed: 2015-05-18
QC Preparation: 2015-05-18Analyzed By: CF
Prepared By: CF

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,6,7	44.1	mg/L	1	50.0	<1.18	88	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,6,7	43.4	mg/L	1	50.0	<1.18	87	76.4 - 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: 393335

QC Batch: 121696
Prep Batch: 102971

Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21

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	72.8	mg/L	1	50.0	33.6	78	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,6,7	74.2	mg/L	1	50.0	33.6	81	76.4 - 120	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: 121507

Date Analyzed: 2015-05-13

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	24.0	96	90 - 110	2015-05-13

Standard (CCV-2)

QC Batch: 121507

Date Analyzed: 2015-05-13

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	4.79	96	90 - 110	2015-05-13

Standard (CCV-3)

QC Batch: 121507

Date Analyzed: 2015-05-13

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	24.4	98	90 - 110	2015-05-13

Standard (CCV-3)

QC Batch: 121507

Date Analyzed: 2015-05-13

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	2015-05-13

Standard (CCV-4)

QC Batch: 121507

Date Analyzed: 2015-05-13

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	2015-05-13

Standard (CCV-4)

QC Batch: 121507

Date Analyzed: 2015-05-13

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	2015-05-13

Standard (ICV-1)

QC Batch: 121596

Date Analyzed: 2015-05-18

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		2,3,6,7	mg/L	5.00	4.48	90	85 - 115	2015-05-18

Standard (CCV-1)

QC Batch: 121596

Date Analyzed: 2015-05-18

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		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-05-18

Standard (ICV-1)

QC Batch: 121696

Date Analyzed: 2015-05-21

Analyzed By: CF

Report Date: June 1, 2015

Work Order: 15051342
Gonzalez Farmes

Page Number: 20 of 23
14310 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	4.34	87	85 - 115	2015-05-21

Standard (CCV-1)

QC Batch: 121696

Date Analyzed: 2015-05-21

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	2015-05-21

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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

15051342 TraceAnalysis, Inc.

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

Company Name: 15051342
 D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907
 Contact Person: vajala@dhpump.com
 Victor Ayala

LAB Order ID # 15051342

Project #: 467766
 Project Name: Joe Gonzalez 575-233-4801
 Gonzalez Dairy Inc.
 Sampler Signature: *July*

Project Location (including state):
 Gonzalez Dairy, 14310. Stern Dr., 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
39322-1	177-05	1	250	X				X						5-13-15	12:23
↓ 2	177-05	1	250	X				X						12:23	
22-1	177-01	1	250	X				X						13:01	
↓ 2	177-01	1	250	X				X						13:01	
23-1	177-02	1	250	X				X						13:37	
↓ 2	177-02	1	250	X				X						13:37	

Relinquished By: *July* Date: 5-13-15 Time: 14:48
 Received By: *Sam Lopez* Date: 5-13-15 Time: 14:48
 Relinquished By: *BC, TA* Date: 5-13-15 Time: 16:30
 Received at Laboratory By: *BC, TA* Date: 5/14/15 Time: 8:40

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
								X	X	X	X		
								X	X	X	X		
								X	X	X	X		
								X	X	X	X		

Remarks: *Cont. In 25 49368239*
IRB-7.1
 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

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

Report Date: June 1, 2015

Work Order: 15051225



Project Location: 13090 Stern Dr., Mesquite, NM
Project Name: Mountain View 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
393113	70-01	water	2015-05-12	10:54	2015-05-12
393114	70-02	water	2015-05-12	11:54	2015-05-12
393115	70-03	water	2015-05-12	09:47	2015-05-12
393116	70-04	water	2015-05-12	12:27	2015-05-12
393117	70-Lagoon	water	2015-05-12	11:27	2015-05-12
393118	South Stormwater Lagoon	water	2015-05-12	11:11	2015-05-12

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 33 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 Mountain View Dairy were received by TraceAnalysis, Inc. on 2015-05-12 and assigned to work order 15051225. Samples for work order 15051225 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	102804	2015-05-12 at 20:17	121505	2015-05-12 at 20:17
NO3 (IC)	E 300.0	102804	2015-05-12 at 20:17	121505	2015-05-12 at 20:17
P, Total	S 6010C	103129	2015-05-31 at 12:49	121900	2015-06-01 at 12:06
SO4 (IC)	E 300.0	102804	2015-05-12 at 20:17	121505	2015-05-12 at 20:17
Sulfide	SM 4500-S2 D	102847	2015-05-15 at 10:15	121553	2015-05-15 at 10:50
TDS	SM 2540C	102799	2015-05-13 at 16:30	121497	2015-05-13 at 16:30
TDS	SM 2540C	102843	2015-05-14 at 15:00	121549	2015-05-14 at 15:00
TKN	SM 4500-NH3 B,C	102791	2015-05-13 at 10:30	121491	2015-05-13 at 13:00
TKN	SM 4500-NH3 B,C	102886	2015-05-18 at 12:00	121596	2015-05-18 at 14:40

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 15051225 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.

The temperature of the Cold Box for storing samples was between 6 and 24.5 degrees C for about 30 hours on May 17-18, 2015. We do not feel this will affect your TKN results. All other analyses were prepped before this incidence.

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: 393113 - 70-01

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	597	597	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393113 - 70-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	23.2	23.2	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393113 - 70-01

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	471	471	<1.58	mg/L	10	1.58	2.5	0.1576

Sample: 393113 - 70-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121497 Date Analyzed: 2015-05-13 Analyzed By: MC
 Prep Batch: 102799 Sample Preparation: 2015-05-13 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	2520	2520	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393113 - 70-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121491 Date Analyzed: 2015-05-13 Analyzed By: CF
 Prep Batch: 102791 Sample Preparation: 2015-05-13 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	2,3,7,9	9.10	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393114 - 70-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	791	791	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393114 - 70-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	36.2	36.2	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393114 - 70-02

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	453	453	<1.58	mg/L	10	1.58	2.5	0.1576

Sample: 393114 - 70-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121497 Date Analyzed: 2015-05-13 Analyzed By: MC
 Prep Batch: 102799 Sample Preparation: 2015-05-13 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	3810	3810	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393114 - 70-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121491 Date Analyzed: 2015-05-13 Analyzed By: CF
 Prep Batch: 102791 Sample Preparation: 2015-05-13 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	2,3,7,9	3.50	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393115 - 70-03

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 Prepared By: JR

continued ...

sample 393115 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	3060	3060	<9.84	mg/L	100	9.84	2.5	0.0984

Sample: 393115 - 70-03

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	47.0	47.0	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393115 - 70-03

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	1440	1440	<7.88	mg/L	50	7.88	2.5	0.1576

Sample: 393115 - 70-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121497 Date Analyzed: 2015-05-13 Analyzed By: MC
 Prep Batch: 102799 Sample Preparation: 2015-05-13 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	7900	7900	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393115 - 70-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121491 Date Analyzed: 2015-05-13 Analyzed By: CF
 Prep Batch: 102791 Sample Preparation: 2015-05-13 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	2,3,7,9	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393116 - 70-04

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	579	579	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393116 - 70-04

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	27.5	27.5	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393116 - 70-04

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	553	553	<7.88	mg/L	50	7.88	2.5	0.1576

Sample: 393116 - 70-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121497 Date Analyzed: 2015-05-13 Analyzed By: MC
 Prep Batch: 102799 Sample Preparation: 2015-05-13 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	2860	2860	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393116 - 70-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121491 Date Analyzed: 2015-05-13 Analyzed By: CF
 Prep Batch: 102791 Sample Preparation: 2015-05-13 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	2,3,7,9	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393117 - 70-Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	1480	1480	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393117 - 70-Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	4.70	4.70	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393117 - 70-Lagoon

Laboratory: Lubbock
 Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 121900 Date Analyzed: 2015-06-01 Analyzed By: RR
 Prep Batch: 103129 Sample Preparation: 2015-06-01 Prepared By: RR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Phosphorous		3,5,7,9	180	180	<0.0389	mg/L	10	0.0389	0.5	0.00389

Sample: 393117 - 70-Lagoon

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 Prepared By: JR

Comment: SO4 anlysis needed to determine total Sulfur.

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Sulfate		1,4,6	42.4	42.4	<0.788	mg/L	5	0.788	2.5	0.1576

Sample: 393117 - 70-Lagoon

Laboratory: Lubbock
 Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
 QC Batch: 121553 Date Analyzed: 2015-05-15 Analyzed By: CF
 Prep Batch: 102847 Sample Preparation: 2015-05-15 Prepared By: CF

Comment: Sulfide Comment: Sulfide analysis needed to determine total Sulfur.

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfide	Qs	2	9.71	9.71	<0.255	mg/L	25	0.255	0.1	0.0102

Sample: 393117 - 70-Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121497 Date Analyzed: 2015-05-13 Analyzed By: MC
 Prep Batch: 102799 Sample Preparation: 2015-05-13 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	6380	6380	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393117 - 70-Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121491 Date Analyzed: 2015-05-13 Analyzed By: CF
 Prep Batch: 102791 Sample Preparation: 2015-05-13 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		2,3,7,9	393	393	<1.18	mg/L	1	1.18	10	1.18

Sample: 393118 - South Stormwater Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	9140	9140	<49.2	mg/L	500	49.2	2.5	0.0984

Sample: 393118 - South Stormwater Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 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	5.16	5.16	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393118 - South Stormwater Lagoon

Laboratory: Lubbock
 Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 121900 Date Analyzed: 2015-06-01 Analyzed By: RR
 Prep Batch: 103129 Sample Preparation: 2015-06-01 Prepared By: RR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Phosphorous		3,5,7,9	250	250	<0.0389	mg/L	10	0.0389	0.5	0.00389

Sample: 393118 - South Stormwater Lagoon

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121505 Date Analyzed: 2015-05-12 Analyzed By: JR
 Prep Batch: 102804 Sample Preparation: 2015-05-12 Prepared By: JR

Comment: SO4 anlysis needed to determine total Sulfur.

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Sulfate		1,4,6	1180	1180	<7.88	mg/L	50	7.88	2.5	0.1576

Sample: 393118 - South Stormwater Lagoon

Laboratory: Lubbock
 Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
 QC Batch: 121553 Date Analyzed: 2015-05-15 Analyzed By: CF
 Prep Batch: 102847 Sample Preparation: 2015-05-15 Prepared By: CF

Comment: Sulfide Comment: Sulfide analysis needed to determine total Sulfur.

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfide	Qs	2	4.99	4.99	<0.255	mg/L	25	0.255	0.1	0.0102

Sample: 393118 - South Stormwater Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121549 Date Analyzed: 2015-05-14 Analyzed By: MC
 Prep Batch: 102843 Sample Preparation: 2015-05-14 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	34800	34800	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393118 - South Stormwater Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121596 Date Analyzed: 2015-05-18 Analyzed By: CF
 Prep Batch: 102886 Sample Preparation: 2015-05-18 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		2,3,7,9	60.9	60.9	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121491
Prep Batch: 102791Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed 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

Method Blank (1)

QC Batch: 121497
Prep Batch: 102799Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed 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: 121505
Prep Batch: 102804Date Analyzed: 2015-05-12
QC Preparation: 2015-05-12Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121505
Prep Batch: 102804Date Analyzed: 2015-05-12
QC Preparation: 2015-05-12Analyzed By: JR
Prepared By: JR

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Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,9	<1.18	mg/L	1.18

Method Blank (1)

QC Batch: 121900
Prep Batch: 103129

Date Analyzed: 2015-06-01
QC Preparation: 2015-05-31

Analyzed By: RR
Prepared By: PM

Parameter	F	C	Result	Units	Reporting Limits
Total Phosphorous		3,5,7,9	<0.00389	mg/L	0.00389

Duplicates

Duplicate (1) Duplicated Sample: 393115QC Batch: 121497
Prep Batch: 102799Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	8030	7900	mg/L	1	2	10

Duplicate (1) Duplicated Sample: 393221QC Batch: 121549
Prep Batch: 102843Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3540	3440	mg/L	1	3	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121491
Prep Batch: 102791Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: CF
Prepared By: CF

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Total Kjeldahl Nitrogen - N		2,3,7,9	43.4	mg/L	1	50.0	<1.18	87	82.3 - 115

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.						
Total Kjeldahl Nitrogen - N		2,3,7,9	44.8	mg/L	1	50.0	<1.18	90	82.3 - 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: 121497
Prep Batch: 102799Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: MC
Prepared By: MC

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Total Dissolved Solids		1,4,6	995	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			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Total Dissolved Solids		1,4,6	997	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: 121505
Prep Batch: 102804Date Analyzed: 2015-05-12
QC Preparation: 2015-05-12Analyzed By: JR
Prepared By: JR

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Chloride		1,4,6	23.0	mg/L	1	25.0	<0.0984	92	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 Dissolved Solids		1,4,6	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. Limit	RPD	RPD Limit	
Total Dissolved Solids		1,4,6	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: 121553
Prep Batch: 102847

Date Analyzed: 2015-05-15
QC Preparation: 2015-05-15

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfide		2	0.386	mg/L	1	0.400	<0.0102	96	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. Limit	RPD	RPD Limit	
Sulfide		2	0.388	mg/L	1	0.400	<0.0102	97	85 - 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: 121596
Prep Batch: 102886

Date Analyzed: 2015-05-18
QC Preparation: 2015-05-18

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	43.4	mg/L	1	50.0	<1.18	87	82.3 - 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	RPD Limit	
Total Kjeldahl Nitrogen - N		2,3,7,9	46.2	mg/L	1	50.0	<1.18	92	82.3 - 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: 121900
Prep Batch: 103129

Date Analyzed: 2015-06-01
QC Preparation: 2015-05-31

Analyzed By: RR
Prepared By: PM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		3,5,7,9	0.558	mg/L	1	0.500	<0.00389	112	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		3,5,7,9	0.551	mg/L	1	0.500	<0.00389	110	85 - 115	1	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: 393113QC Batch: 121491
Prep Batch: 102791Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: CF
Prepared By: CF

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Total Kjeldahl Nitrogen - N		2,3,7,9	45.5	mg/L	1	50.0	<1.18	91	76.4 - 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.						
Total Kjeldahl Nitrogen - N		2,3,7,9	44.8	mg/L	1	50.0	<1.18	90	76.4 - 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: 393040QC Batch: 121553
Prep Batch: 102847Date Analyzed: 2015-05-15
QC Preparation: 2015-05-15Analyzed By: CF
Prepared By: CF

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Sulfide	qs	2	4.36	mg/L	1	4.00	2.71	41	49.4 - 134

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.						
Sulfide	qs	2	4.21	mg/L	1	4.00	2.71	38	49.4 - 134	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: 393222QC Batch: 121596
Prep Batch: 102886Date Analyzed: 2015-05-18
QC Preparation: 2015-05-18Analyzed By: CF
Prepared By: CF

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Total Kjeldahl Nitrogen - N		2,3,7,9	44.1	mg/L	1	50.0	<1.18	88	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,7,9	43.4	mg/L	1	50.0	<1.18	87	76.4 - 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: 392794

QC Batch: 121900
Prep Batch: 103129

Date Analyzed: 2015-06-01
QC Preparation: 2015-05-31

Analyzed By: RR
Prepared By: PM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		3,5,7,9	1.49	mg/L	1	0.500	0.969	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.	Rec. Limit	RPD	RPD Limit
Total Phosphorous		3,5,7,9	1.45	mg/L	1	0.500	0.969	96	75 - 125	3	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: 121491

Date Analyzed: 2015-05-13

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	4.48	90	85 - 115	2015-05-13

Standard (CCV-1)

QC Batch: 121491

Date Analyzed: 2015-05-13

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	4.90	98	85 - 115	2015-05-13

Standard (CCV-1)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	22.8	91	90 - 110	2015-05-12

Standard (CCV-1)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	4.66	93	90 - 110	2015-05-12

Standard (CCV-1)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	23.1	92	90 - 110	2015-05-12

Standard (CCV-2)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	23.6	94	90 - 110	2015-05-12

Standard (CCV-2)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	4.71	94	90 - 110	2015-05-12

Standard (CCV-2)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	23.8	95	90 - 110	2015-05-12

Standard (CCV-3)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	23.9	96	90 - 110	2015-05-12

Standard (CCV-3)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	4.76	95	90 - 110	2015-05-12

Standard (CCV-3)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	24.0	96	90 - 110	2015-05-12

Standard (CCV-4)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	24.1	96	90 - 110	2015-05-12

Standard (CCV-4)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	4.81	96	90 - 110	2015-05-12

Standard (CCV-4)

QC Batch: 121505

Date Analyzed: 2015-05-12

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	24.2	97	90 - 110	2015-05-12

Standard (ICV-1)

QC Batch: 121553

Date Analyzed: 2015-05-15

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	0.388	97	85 - 115	2015-05-15

Standard (CCV-1)

QC Batch: 121553

Date Analyzed: 2015-05-15

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	0.398	100	85 - 115	2015-05-15

Standard (ICV-1)

QC Batch: 121596

Date Analyzed: 2015-05-18

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		2,3,7,9	mg/L	5.00	4.48	90	85 - 115	2015-05-18

Standard (CCV-1)

QC Batch: 121596

Date Analyzed: 2015-05-18

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		2,3,7,9	mg/L	5.00	4.62	92	85 - 115	2015-05-18

Standard (ICV-1)

QC Batch: 121900

Date Analyzed: 2015-06-01

Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		3,5,7,9	mg/L	5.00	5.23	105	90 - 110	2015-06-01

Standard (CCV-1)

QC Batch: 121900

Date Analyzed: 2015-06-01

Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		3,5,7,9	mg/L	5.00	5.26	105	90 - 110	2015-06-01

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	Pass
P, Total	S 6010C	water	PE 8300	Total Phosphorous	0.100	Pass
SO4 (IC)	E 300.0	water	Dionex IC	Sulfate	0.417	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	3.00	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.

15001225 TraceAnalysis, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 15051225

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 #: 4167708
Project Name: Mountain View Dairy
Project Location (including state): Mountain View Dairy, 13090 Stern Drive, Mesquite, NM
Sampler Signature: [Signature]
Project Name: John DeRuyter 575-233-3899
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
393/13	70-01	1	250	X				X						5-12-15	10:54
1-2	70-01	1	250	X				X							10:54
14	70-02	1	250	X				X							11:54
1-2	70-02	1	250	X				X							11:54
15	70-03	1	250	X				X							9:47
1-2	70-03	1	250	X				X							9:47
16	70-04	1	250	X				X							12:27
1-2	70-04	1	250	X				X							12:27
17	70 Lagoon	1	250	X				X							11:27
1-2	70 Lagoon	1	250	X				X							11:27
1-3	70 Lagoon	1	250	X				X							11:27
1-4	70 Lagoon	1	250	X				X							11:27
15/18	North Stormwater Lagoon	1	250	X				X							11:11
15/2	North Stormwater Lagoon	1	250	X				X							11:11
15/3	North Stormwater Lagoon	1	250	X				X							11:11
15/4	North Stormwater Lagoon	1	250	X				X							11:11

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 Kjeldahl 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
						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	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	X	X	X	X		

Relinquished By: [Signature] Date: 5-12-15 Time: 14:30

Received By: [Signature] Date: 5-12-15 Time: 14:30

Received at Laboratory By: [Signature] Date: 5/13/15 Time: 9:15

Lab Use Only
Intact N
Headspace Y / N
Temp 18.2 21.3
Log-in Review

Remarks: LS 49368237
3.413.2
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

Bruce Bonestroo
 River Valley Dairy, LLC
 1400 La Chuga Rd., Mesquite
 P.O. Box 1929
 Anthony, NM, 88021

Report Date: June 4, 2015

Work Order: 15052131



Project Location: 1400 La Chuga Rd., Mesquite, NM
 Project Name: River Valley Dairy, LLC
 Project Number: 467710

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
393811	167-04	water	2015-05-21	09:44	2015-05-21
393812	167-05	water	2015-05-21	10:01	2015-05-21
393813	167-08	water	2015-05-21	10:36	2015-05-21
393814	167-09	water	2015-05-21	11:20	2015-05-21

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 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 River Valley Dairy, LLC were received by TraceAnalysis, Inc. on 2015-05-21 and assigned to work order 15052131. Samples for work order 15052131 were received intact at a temperature of 1 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	103019	2015-05-22 at 11:23	121750	2015-05-22 at 11:23
NO3 (IC)	E 300.0	103019	2015-05-22 at 11:23	121750	2015-05-22 at 11:23
TDS	SM 2540C	103062	2015-05-26 at 14:15	121801	2015-05-26 at 14:15
TKN	SM 4500-NH3 B,C	103118	2015-05-29 at 10:30	121871	2015-05-29 at 14:15

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 15052131 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. 121750 Method Blank-1	Nitrate-N	MI4	Instrument software integrated improperly

Analytical Report

Sample: 393811 - 167-04

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103019 Sample Preparation: 2015-05-22 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	1050	1050	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393811 - 167-04

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103019 Sample Preparation: 2015-05-22 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI4	1,4,5	25.4	25.4	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393811 - 167-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121801 Date Analyzed: 2015-05-26 Analyzed By: MC
 Prep Batch: 103062 Sample Preparation: 2015-05-26 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	3740	3740	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393811 - 167-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121871 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103118 Sample Preparation: 2015-05-29 Prepared By: CF

Report Date: June 4, 2015
467710

Work Order: 15052131
River Valley Dairy, LLC

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1400 La Chuga Rd., Mesquite, NM

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

Sample: 393812 - 167-05

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
Prep Batch: 103019 Sample Preparation: 2015-05-22 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Chloride		1,4,5	688	688	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393812 - 167-05

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
Prep Batch: 103019 Sample Preparation: 2015-05-22 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Nitrate-N	B,MI4	1,4,5	6.62	6.62	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393812 - 167-05

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 121801 Date Analyzed: 2015-05-26 Analyzed By: MC
Prep Batch: 103062 Sample Preparation: 2015-05-26 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	2880	2880	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393812 - 167-05

Report Date: June 4, 2015
467710

Work Order: 15052131
River Valley Dairy, LLC

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1400 La Chuga Rd., Mesquite, NM

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 121871 Date Analyzed: 2015-05-29 Analyzed By: CF
Prep Batch: 103118 Sample Preparation: 2015-05-29 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: 393813 - 167-08

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
Prep Batch: 103019 Sample Preparation: 2015-05-22 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	733	733	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393813 - 167-08

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
Prep Batch: 103019 Sample Preparation: 2015-05-22 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	B,M14,U	1,4,5	<0.0470	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393813 - 167-08

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 121801 Date Analyzed: 2015-05-26 Analyzed By: MC
Prep Batch: 103062 Sample Preparation: 2015-05-26 Prepared By: MC

continued . . .

sample 393813 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	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393813 - 167-08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121871 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103118 Sample Preparation: 2015-05-29 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: 393814 - 167-09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103019 Sample Preparation: 2015-05-22 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	602	602	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393814 - 167-09

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103019 Sample Preparation: 2015-05-22 Prepared By: JR

Report Date: June 4, 2015
467710

Work Order: 15052131
River Valley Dairy, LLC

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1400 La Chuga Rd., Mesquite, NM

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	B,MI4	1,4,5	4.15	4.15	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393814 - 167-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121801 Date Analyzed: 2015-05-26 Analyzed By: MC
 Prep Batch: 103062 Sample Preparation: 2015-05-26 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	2440	2440	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393814 - 167-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121871 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103118 Sample Preparation: 2015-05-29 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: 121750
Prep Batch: 103019

Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	–	mg/L	0.0984

Method Blank (1)

QC Batch: 121750
Prep Batch: 103019

Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,MI4	1,4,5	0.166	mg/L	0.0094

Method Blank (1)

QC Batch: 121801
Prep Batch: 103062

Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26

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: 121871
Prep Batch: 103118

Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29

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: 393897

QC Batch: 121801
Prep Batch: 103062

Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	2790	2680	mg/L	1	4	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121750
Prep Batch: 103019

Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22

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	<0.0984	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	25.3	mg/L	1	25.0	<0.0984	101	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: 121750
Prep Batch: 103019

Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22

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	5.03	mg/L	1	5.00	<0.00940	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
Nitrate-N		1,4,5	5.03	mg/L	1	5.00	<0.00940	101	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: 121801
Prep Batch: 103062

Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26

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	996	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	1000	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: 121871
Prep Batch: 103118

Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29

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	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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	44.8	mg/L	1	50.0	<1.18	90	82.3 - 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: 393817

QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
Prep Batch: 103019 QC Preparation: 2015-05-22 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	2210	mg/L	55.6	1390	732	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
Chloride		1,4,5	2220	mg/L	55.6	1390	732	107	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: 393817

QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
Prep Batch: 103019 QC Preparation: 2015-05-22 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	283	mg/L	55.6	278	3.81	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
Nitrate-N		1,4,5	285	mg/L	55.6	278	3.81	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: 393817

QC Batch: 121871 Date Analyzed: 2015-05-29 Analyzed By: CF
Prep Batch: 103118 QC Preparation: 2015-05-29 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	42.7	mg/L	1	50.0	<1.18	85	76.4 - 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 Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	44.1	mg/L	1	50.0	<1.18	88	76.4 - 120	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: 121750

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-1)

QC Batch: 121750

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-2)

QC Batch: 121750

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-2)

QC Batch: 121750

Date Analyzed: 2015-05-22

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	2015-05-22

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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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Lubbock, TX 79424
Tel (806) 794-1296
Fax (806) 794-1298

TraceAnalysis, Inc.

155 McCutcheon, Ste. H
Paso, TX 79632
Tel (915) 585-3443
Fax (915) 585-4944

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 15052131

Company Name: 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

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

Invoice to (if different from above):
River Valley Dairy, PO Box 1929, Anthony, NM 88021
Project #: 467710
Project Name: Bruce Bonestroo 575-233-2061
River Valley Dairy, LLC
Sampler Signature: *J.V.S.*

Project Location (including state):
River Valley Dairy, 1400 La Chuga Rd., Mesquite, NM

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD					SAMPLING		TIME	Turn Around Time	Hold	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE				DATE
3938111	167-04	1	250	X				X	X	X	X	X	5-21-15	9:44			
-2	167-04	1	250	X				X	X	X	X	X	5-21-15	9:44			
12-1	167-05	1	250	X				X	X	X	X	X	10:01	10:01			
-2	167-05	1	250	X				X	X	X	X	X	10:01	10:01			
13-1	167-08	1	250	X				X	X	X	X	X	10:36	10:36			
-2	167-08	1	250	X				X	X	X	X	X	10:36	10:36			
14-1	167-09	1	250	X				X	X	X	X	X	11:20	11:20			
-2	167-09	1	250	X				X	X	X	X	X	11:20	11:20			
		1		X				X	X	X	X	X					
		1		X				X	X	X	X	X					
		1		X				X	X	X	X	X					
		1		X				X	X	X	X	X					
		1		X				X	X	X	X	X					
		1		X				X	X	X	X	X					
		1		X				X	X	X	X	X					
		1		X				X	X	X	X	X					

ANALYSIS REQUEST
 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 NORGC
 Chloride EPA 300
 Total Dissolved Solids SM 2540 C MOD

Relinquished By: *J.V.S.* Date: 5-21-15 Time: 13:46
 Received at Laboratory By: *[Signature]* Date: 5-21-15 Time: 13:46
 Relinquished By: *[Signature]* Date: 5-21-15 Time: 16:30
 Received at Laboratory By: *[Signature]* Date: 5-21-15 Time: 16:30

Lab Use Only
 Intact Y / N
 Headspace Y / N
 Temp *0/1 C*
 Log-in Review *8/15*
 Remarks: *By D22*
 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

George Segura
 Big Sky Dairy
 17800 Stern Drive
 P.O. Box 10
 Mesquite, NM, 88048

Report Date: June 4, 2015

Work Order: 15052133



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
393816	833-09	water	2015-05-21	12:46	2015-05-21
393817	833-10	water	2015-05-21	13:11	2015-05-21

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 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 2015-05-21 and assigned to work order 15052133. Samples for work order 15052133 were received intact at a temperature of 1 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	103019	2015-05-22 at 11:23	121750	2015-05-22 at 11:23
NO3 (IC)	E 300.0	103019	2015-05-22 at 11:23	121750	2015-05-22 at 11:23
TDS	SM 2540C	103062	2015-05-26 at 14:15	121801	2015-05-26 at 14:15
TKN	SM 4500-NH3 B,C	103118	2015-05-29 at 10:30	121871	2015-05-29 at 14:15

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 15052133 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. 121750 Method Blank-1	Nitrate-N	MI4	Instrument software integrated improperly

Analytical Report

Sample: 393816 - 833-09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103019 Sample Preparation: 2015-05-22 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	957	957	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393816 - 833-09

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103019 Sample Preparation: 2015-05-22 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI4	1,4,6	123	123	<0.188	mg/L	20	0.188	0.5	0.0094

Sample: 393816 - 833-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121801 Date Analyzed: 2015-05-26 Analyzed By: MC
 Prep Batch: 103062 Sample Preparation: 2015-05-26 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		1,4,6	4170	4170	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393816 - 833-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121871 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103118 Sample Preparation: 2015-05-29 Prepared By: CF

Report Date: June 4, 2015

Work Order: 15052133
Big Sky Dairy

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17800 Stern Drive, Mesquite, NM 88048

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: 393817 - 833-10

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103019 Sample Preparation: 2015-05-22 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	732	732	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 393817 - 833-10

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121750 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103019 Sample Preparation: 2015-05-22 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI4	1,4,6	3.81	3.81	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393817 - 833-10

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121801 Date Analyzed: 2015-05-26 Analyzed By: MC
 Prep Batch: 103062 Sample Preparation: 2015-05-26 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		1,4,6	2700	2700	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393817 - 833-10

Report Date: June 4, 2015

Work Order: 15052133
Big Sky Dairy

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17800 Stern Drive, Mesquite, NM 88048

Laboratory:	Lubbock	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
Analysis:	TKN	Date Analyzed:	2015-05-29	Analyzed By:	CF
QC Batch:	121871	Sample Preparation:	2015-05-29	Prepared By:	CF
Prep Batch:	103118				

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: 121750
Prep Batch: 103019Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	–	mg/L	0.0984

Method Blank (1)

QC Batch: 121750
Prep Batch: 103019Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,MI4	1,4,6	0.166	mg/L	0.0094

Method Blank (1)

QC Batch: 121801
Prep Batch: 103062Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed 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: 121871
Prep Batch: 103118Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed By: CF
Prepared By: CF

Report Date: June 4, 2015

Work Order: 15052133
Big Sky Dairy

Page Number: 9 of 19
17800 Stern Drive, Mesquite, NM 88048

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: 393897

QC Batch: 121801
Prep Batch: 103062

Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2790	2680	mg/L	1	4	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121750
Prep Batch: 103019Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	25.3	mg/L	1	25.0	<0.0984	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.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	25.3	mg/L	1	25.0	<0.0984	101	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: 121750
Prep Batch: 103019Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	5.03	mg/L	1	5.00	<0.00940	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.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	5.03	mg/L	1	5.00	<0.00940	101	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: 121801
Prep Batch: 103062Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	996	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		1,4,6	1000	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: 121871
Prep Batch: 103118

Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29

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	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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	82.3 - 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: 393817QC Batch: 121750
Prep Batch: 103019Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,6	2210	mg/L	55.6	1390	732	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		1,4,6	2220	mg/L	55.6	1390	732	107	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: 393817QC Batch: 121750
Prep Batch: 103019Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,6	283	mg/L	55.6	278	3.81	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		1,4,6	285	mg/L	55.6	278	3.81	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: 393817QC Batch: 121871
Prep Batch: 103118Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed By: CF
Prepared By: CF

Param	F	C	MS		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	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.18	88	76.4 - 120	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: 121750

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-2)

QC Batch: 121750

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-3)

QC Batch: 121750

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-3)

QC Batch: 121750

Date Analyzed: 2015-05-22

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	5.00	100	90 - 110	2015-05-22

Standard (CCV-4)

QC Batch: 121750

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-4)

QC Batch: 121750

Date Analyzed: 2015-05-22

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	5.01	100	90 - 110	2015-05-22

Standard (ICV-1)

QC Batch: 121871

Date Analyzed: 2015-05-29

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	4.34	87	85 - 115	2015-05-29

Standard (CCV-1)

QC Batch: 121871

Date Analyzed: 2015-05-29

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	2015-05-29

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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

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**

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

Phone #: 915-859-8150
Cell #:
Fax #:
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 #: **467709**
Project Name: **Big Sky Dairy**
Sampler Signature: *[Signature]*

Project Location (including state): **Big Sky Dairy, 17800 Stern Drive, Mesquite, NM**

LAB #	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	
393816	833-09	1	250	X				X	X	X	X			5-21-15	13:46
↓	833-09	1	250	X				X	X	X	X			↓	13:46
↓	833-10	1	250	X				X	X	X	X			↓	13:11
↓	833-10	1	250	X				X	X	X	X			↓	13:11
		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: *[Signature]* Date: 5-21-15 Time: 13:46
Received By: *[Signature]* Date: 5-21-15 Time: 13:46

Relinquished By: *[Signature]* Date: 5-21-15 Time: 16:30
Received By: *[Signature]* Date: 5-22-15 Time: 9:30

Log-in Review [Signature]
Temp 0/1 C
Headspace Y/N
Intact Y/N

Page 1 of 1
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 15052133

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	Turn Around Time	Hold
							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		
							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		

Remarks:
DRY
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

George Segura
 Big Sky Dairy
 17800 Stern Drive
 P.O. Box 10
 Mesquite, NM, 88048

Report Date: June 4, 2015

Work Order: 15052220



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
393894	833-02	water	2015-05-22	11:28	2015-05-22
393895	833-04	water	2015-05-22	10:16	2015-05-22
393896	833-06	water	2015-05-22	10:54	2015-05-22
393897	833-05	water	2015-05-22	08:28	2015-05-22
393898	833-07	water	2015-05-22	07:58	2015-05-22
393899	833-08	water	2015-05-22	09:24	2015-05-22
393900	Lagoon	water	2015-05-22	08:43	2015-05-22

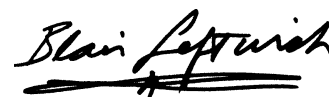
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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 Big Sky Dairy were received by TraceAnalysis, Inc. on 2015-05-22 and assigned to work order 15052220. Samples for work order 15052220 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	103021	2015-05-22 at 19:27	121752	2015-05-22 at 19:27
NO3 (IC)	E 300.0	103021	2015-05-22 at 19:27	121752	2015-05-22 at 19:27
TDS	SM 2540C	103062	2015-05-26 at 14:15	121801	2015-05-26 at 14:15
TDS	SM 2540C	103074	2015-05-28 at 13:00	121812	2015-05-28 at 13:20
TKN	SM 4500-NH3 B,C	103119	2015-05-29 at 10:30	121874	2015-05-29 at 14:15

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 15052220 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: 393894 - 833-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121752 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103021 Sample Preparation: 2015-05-22 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	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 393894 - 833-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121752 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103021 Sample Preparation: 2015-05-22 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	34.5	34.5	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393894 - 833-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121801 Date Analyzed: 2015-05-26 Analyzed By: MC
 Prep Batch: 103062 Sample Preparation: 2015-05-26 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	2140	2140	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393894 - 833-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121874 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103119 Sample Preparation: 2015-05-29 Prepared By: CF

Report Date: June 4, 2015

Work Order: 15052220
Big Sky Dairy

Page Number: 7 of 27
17800 Stern Drive, Mesquite, NM 88048

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: 393895 - 833-04

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121752 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103021 Sample Preparation: 2015-05-22 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	766	766	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 393895 - 833-04

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121752 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103021 Sample Preparation: 2015-05-22 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	15.6	15.6	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393895 - 833-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121801 Date Analyzed: 2015-05-26 Analyzed By: MC
 Prep Batch: 103062 Sample Preparation: 2015-05-26 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	2290	2290	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393895 - 833-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121874 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103119 Sample Preparation: 2015-05-29 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: 393896 - 833-06

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121752 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103021 Sample Preparation: 2015-05-22 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	787	787	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 393896 - 833-06

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121752 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103021 Sample Preparation: 2015-05-22 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	38.6	38.6	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393896 - 833-06

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121801 Date Analyzed: 2015-05-26 Analyzed By: MC
 Prep Batch: 103062 Sample Preparation: 2015-05-26 Prepared By: MC

continued . . .

sample 393896 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	2470	2470	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393896 - 833-06

Laboratory: Lubbock

Analysis: TKN

QC Batch: 121874

Prep Batch: 103119

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-05-29

Sample Preparation: 2015-05-29

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	2,3,6,7	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393897 - 833-05

Laboratory: El Paso

Analysis: Chloride (IC)

QC Batch: 121752

Prep Batch: 103021

Analytical Method: E 300.0

Date Analyzed: 2015-05-22

Sample Preparation: 2015-05-22

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	999	999	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393897 - 833-05

Laboratory: El Paso

Analysis: NO3 (IC)

QC Batch: 121752

Prep Batch: 103021

Analytical Method: E 300.0

Date Analyzed: 2015-05-22

Sample Preparation: 2015-05-22

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		1,4,5	19.7	19.7	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393897 - 833-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121801 Date Analyzed: 2015-05-26 Analyzed By: MC
 Prep Batch: 103062 Sample Preparation: 2015-05-26 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	2680	2680	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393897 - 833-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121874 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103119 Sample Preparation: 2015-05-29 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: 393898 - 833-07

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121752 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103021 Sample Preparation: 2015-05-22 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	1320	1320	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393898 - 833-07

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121752 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103021 Sample Preparation: 2015-05-22 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	76.7	76.7	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393898 - 833-07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121812 Date Analyzed: 2015-05-28 Analyzed By: MC
 Prep Batch: 103074 Sample Preparation: 2015-05-28 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	4460	4460	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393898 - 833-07

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121874 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103119 Sample Preparation: 2015-05-29 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: 393899 - 833-08

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121752 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103021 Sample Preparation: 2015-05-22 Prepared By: JR

continued ...

sample 393899 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	620	620	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 393899 - 833-08

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121752 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103021 Sample Preparation: 2015-05-22 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	66.4	66.4	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393899 - 833-08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121812 Date Analyzed: 2015-05-28 Analyzed By: MC
 Prep Batch: 103074 Sample Preparation: 2015-05-28 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	2460	2460	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393899 - 833-08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121874 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103119 Sample Preparation: 2015-05-29 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: 393900 - Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121752 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103021 Sample Preparation: 2015-05-22 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	863	863	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393900 - Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121752 Date Analyzed: 2015-05-22 Analyzed By: JR
 Prep Batch: 103021 Sample Preparation: 2015-05-22 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	3.50	3.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393900 - Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121812 Date Analyzed: 2015-05-28 Analyzed By: MC
 Prep Batch: 103074 Sample Preparation: 2015-05-28 Prepared By: MC

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	5900	5900	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393900 - Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121874 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103119 Sample Preparation: 2015-05-29 Prepared By: CF

continued ...

sample 393900 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
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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	421	421	<2.36	mg/L	2	2.36	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121752
Prep Batch: 103021Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121752
Prep Batch: 103021Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,5	<0.00940	mg/L	0.0094

Method Blank (1)

QC Batch: 121801
Prep Batch: 103062Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed 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: 121812
Prep Batch: 103074Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed By: MC
Prepared By: MC

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Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 121874
Prep Batch: 103119

Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29

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: 393897QC Batch: 121801
Prep Batch: 103062Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	2790	2680	mg/L	1	4	10

Duplicate (1) Duplicated Sample: 393953QC Batch: 121812
Prep Batch: 103074Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	1400	1410	mg/L	1	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121752
Prep Batch: 103021Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed 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	<0.0984	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.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	25.4	mg/L	1	25.0	<0.0984	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: 121752
Prep Batch: 103021Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	5.02	mg/L	1	5.00	<0.00940	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
Nitrate-N		1,4,5	5.05	mg/L	1	5.00	<0.00940	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: 121801
Prep Batch: 103062Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed 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	996	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	1000	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: 121812
Prep Batch: 103074

Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28

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	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: 121874
Prep Batch: 103119

Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29

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	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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	45.5	mg/L	1	50.0	<1.18	91	82.3 - 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: 393899QC Batch: 121752
Prep Batch: 103021Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	2100	mg/L	55.6	1390	620	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
Chloride		1,4,5	2110	mg/L	55.6	1390	620	107	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: 393899QC Batch: 121752
Prep Batch: 103021Date Analyzed: 2015-05-22
QC Preparation: 2015-05-22Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	351	mg/L	55.6	278	66.4	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		1,4,5	352	mg/L	55.6	278	66.4	103	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: 393948QC Batch: 121874
Prep Batch: 103119Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed 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	1.4	88	76.4 - 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 Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	46.2	mg/L	1	50.0	1.4	90	76.4 - 120	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: 121752

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-1)

QC Batch: 121752

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-2)

QC Batch: 121752

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-2)

QC Batch: 121752

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-3)

QC Batch: 121752

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-3)

QC Batch: 121752

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-4)

QC Batch: 121752

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-4)

QC Batch: 121752

Date Analyzed: 2015-05-22

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	5.03	101	90 - 110	2015-05-22

Standard (CCV-5)

QC Batch: 121752

Date Analyzed: 2015-05-22

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	2015-05-22

Standard (CCV-5)

QC Batch: 121752

Date Analyzed: 2015-05-22

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	5.03	101	90 - 110	2015-05-22

Standard (ICV-1)

QC Batch: 121874

Date Analyzed: 2015-05-29

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	2015-05-29

Standard (CCV-1)

QC Batch: 121874

Date Analyzed: 2015-05-29

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	2015-05-29

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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.

TraceAnalysis, Inc.

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
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1 (800) 378-1296

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Fax (915) 585-4944
1 (888) 588-3443

Brandon & Clark
3403 Industrial Blvd.
Hobbs, NM 88240
Tel (575) 392-7561
Fax (575) 392-4508

email: lab@traceanalysis.com

Company Name: **DWH Petroleum & Environment**
Address: **1221 Tower Trail In, El Rio, TX, 79907**
Contact Person: **Victor Ayala**
E-mail: **Victor@dwhpump.com**
Phone #: **915-859-8150**
Fax #: **915-859-8150**

Invoice to: **George Segura 575-237-3620**
Project #: **467709**
Project Location (including state): **Big Sky Dairy, Mesquite, NM**
Sampler Signature: **[Signature]**

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		REMARKS		
				WATER	AIR	SOIL	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE		DATE	TIME
94-1	833-02	1	2 ⁵⁰	X				X			X			5-22-15	11:28	
94-2	833-02	1	2 ⁵⁰	X				X			X			11:28		
95-1	833-04	1	2 ⁵⁰	X				X			X			10:16		
95-2	833-04	1	2 ⁵⁰	X				X			X			10:16		
96-1	833-06	1	2 ⁵⁰	X				X			X			10:54		
97-1	833-06	1	2 ⁵⁰	X				X			X			10:54		
97-2	833-05	1	2 ⁵⁰	X				X			X			6:18		
98-1	833-07	1	2 ⁵⁰	X				X			X			6:20		
99-1	833-07	1	2 ⁵⁰	X				X			X			7:58		
99-2	833-07	1	2 ⁵⁰	X				X			X			7:58		

ANALYSIS REQUEST
(Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624
BTX 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
RCl
GC/MS Vol. 8260 / 624
GC/MS Semi. Vol. 8270 / 625
PCBs 8082 / 608
Pesticides 8081 / 608
BOD, TSS, pH
Moisture Content
Cl, F, SO₄, NO₃-N, NO₂-N, PO₄-P, Alkalinity
Na, Ca, Mg, K, TDS, EC
Nitrates EPA 300.0
TKN SM 4500 NORG C
Chloride EM 300.0
TDS SM 2540 C MOD
Turn Around Time if different from standard

LAB USE ONLY			
Retinquired by:	Company:	Date:	Time:
[Signature]	DWH	5-22-15	12:15
Retinquired by:	Company:	Date:	Time:
[Signature]	TRAMP	5-22-15	1630
Retinquired by:	Company:	Date:	Time:
[Signature]	CS TR	5-23-15	9:05

Carrier # **CARY 70**

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TraceAnalysis, Inc.

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BioAquatic Testing
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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: DWH Petroleum & Environmental Phone #: 915-859-8150

Address: (Street, City, Zip) Fax #: _____

Contact Person: Victor Ayala E-mail: vayala@dwhpy.com

Invoice to: _____

(If different from above) Po Box 10, Mesquite, NM

Project #: 467109 Project Name: George Segura 575-233-3620

Project Location (including state): 17000 Stan Dr, Mesquite, NM, 88048 Sampler Signature: [Signature]

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
373899-1	0333-08	1	750	X				X		X			5-22-15	9:24
↓ -2	0333-08	1	750	X				X		X			9:24	9:24
373900-1	Lagoon	1	750	X				X		X			8:43	8:43
↓ -2	Lagoon	1	750	X				X		X			8:43	8:43

ANALYSIS REQUEST

(Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624	BTX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ex(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	BOD, TSS, pH	Moisture Content	Cl, F, SO ₄ , NO ₃ -N, NO ₂ -N, PO ₄ -P, Alkalinity	Na, Ca, Mg, K, TDS, EC	Nitrate EPA 300.0	TKN SM 4500 Nork C	Chloride EPA 300.0	TDS SM 8540 & MOD	Turn Around Time if different from standard	Hold
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LAB USE ONLY

REMARKS:

Relinquished by: <u>[Signature]</u>	Company: <u>DWH</u>	Date: <u>5-22-15</u>	Time: <u>12:15</u>	Received by: <u>[Signature]</u>	Company: <u>TAX</u>	Date: <u>5-22-15</u>	Time: <u>12:15</u>	INST: <u>IR</u>	OBS: <u>3</u>	COR: <u>4</u>
Relinquished by: <u>[Signature]</u>	Company: <u>TAX</u>	Date: <u>5-22-15</u>	Time: <u>1650</u>	Received by: <u>[Signature]</u>	Company: <u>TAX</u>	Date: <u>5-23-15</u>	Time: <u>9:05</u>	INST: <u>IR</u>	OBS: <u>3.4</u>	COR: <u>4</u>
Relinquished by: <u>[Signature]</u>	Company: <u>TAX</u>	Date: <u>5-22-15</u>	Time: <u>1650</u>	Received by: <u>[Signature]</u>	Company: <u>TAX</u>	Date: <u>5-23-15</u>	Time: <u>9:05</u>	INST: <u>IR</u>	OBS: <u>3.4</u>	COR: <u>4</u>

Dry Weight Basis Required

TRRP Report Required

Check if Special Reporting Limits Are Needed

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6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
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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

Edward DeRuyter
 Sunset Dairy
 17900 Stern Drive
 P.O. Box 10
 Mesquite, NM, 88048

Report Date: June 4, 2015

Work Order: 15052613



DP: 467712
 Project Location: 17900 S. Stern Dr., Mesquite, NM
 Project Name: 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
393947	257-01	water	2015-05-26	07:44	2015-05-26
393948	257-02	water	2015-05-26	07:10	2015-05-26
393949	257/260-01	water	2015-05-26	08:46	2015-05-26
393950	257 Lagoon	water	2015-05-26	07:27	2015-05-26

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 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 Sunset Dairy were received by TraceAnalysis, Inc. on 2015-05-26 and assigned to work order 15052613. Samples for work order 15052613 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	103061	2015-05-26 at 19:19	121799	2015-05-26 at 17:17
NO3 (IC)	E 300.0	103061	2015-05-26 at 19:19	121799	2015-05-26 at 17:17
TDS	SM 2540C	103074	2015-05-28 at 13:00	121812	2015-05-28 at 13:20
TKN	SM 4500-NH3 B,C	103119	2015-05-29 at 10:30	121874	2015-05-29 at 14:15
TKN	SM 4500-NH3 B,C	103230	2015-06-04 at 09:30	122013	2015-06-04 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 15052613 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. 121799 Method Blank-1	Nitrate-N	MI4	Instrument software integrated improperly

Analytical Report

Sample: 393947 - 257-01

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 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	809	809	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393947 - 257-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI4	1,4,5	49.4	49.4	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393947 - 257-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121812 Date Analyzed: 2015-05-28 Analyzed By: MC
 Prep Batch: 103074 Sample Preparation: 2015-05-28 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	3460	3460	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393947 - 257-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121874 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103119 Sample Preparation: 2015-05-29 Prepared By: CF

Report Date: June 4, 2015

Work Order: 15052613
Sunset Dairy

Page Number: 6 of 21
17900 S. 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	3.50	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393948 - 257-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 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	727	727	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 393948 - 257-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI4	1,4,5	9.36	9.36	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393948 - 257-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121812 Date Analyzed: 2015-05-28 Analyzed By: MC
 Prep Batch: 103074 Sample Preparation: 2015-05-28 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	2660	2660	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393948 - 257-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121874 Date Analyzed: 2015-05-29 Analyzed By: CF
 Prep Batch: 103119 Sample Preparation: 2015-05-29 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: 393949 - 257/260-01

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
Chloride		1,4,5	726	726	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 393949 - 257/260-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
Nitrate-N	B,J,MI4	1,4,5	2.02	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393949 - 257/260-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121812 Date Analyzed: 2015-05-28 Analyzed By: MC
 Prep Batch: 103074 Sample Preparation: 2015-05-28 Prepared By: MC

continued ...

sample 393949 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	2750	2750	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393949 - 257/260-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122013 Date Analyzed: 2015-06-04 Analyzed By: CF
 Prep Batch: 103230 Sample Preparation: 2015-06-04 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		2,3,6,7	18.9	18.9	<1.18	mg/L	1	1.18	10	1.18

Sample: 393950 - 257 Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 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	1100	1100	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393950 - 257 Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	B,J,Je,MI4	1,4,5	1.37	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393950 - 257 Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121812 Date Analyzed: 2015-05-28 Analyzed By: MC
 Prep Batch: 103074 Sample Preparation: 2015-05-28 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	8600	8600	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393950 - 257 Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122013 Date Analyzed: 2015-06-04 Analyzed By: CF
 Prep Batch: 103230 Sample Preparation: 2015-06-04 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		2,3,6,7	238	238	<5.90	mg/L	5	5.90	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121799
Prep Batch: 103061Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121799
Prep Batch: 103061Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,MI4	1,4,5	0.168	mg/L	0.0094

Method Blank (1)

QC Batch: 121812
Prep Batch: 103074Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed 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: 121874
Prep Batch: 103119Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed By: CF
Prepared By: CF

Report Date: June 4, 2015

Work Order: 15052613
Sunset Dairy

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17900 S. Stern Dr., Mesquite, NM

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: 122013
Prep Batch: 103230

Date Analyzed: 2015-06-04
QC Preparation: 2015-06-04

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: 393953

QC Batch: 121812
Prep Batch: 103074

Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	1400	1410	mg/L	1	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121799
Prep Batch: 103061Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	25.4	mg/L	1	25.0	<0.0984	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		1,4,5	25.3	mg/L	1	25.0	<0.0984	101	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: 121799
Prep Batch: 103061Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	5.01	mg/L	1	5.00	<0.00940	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
Nitrate-N		1,4,5	5.00	mg/L	1	5.00	<0.00940	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: 121812
Prep Batch: 103074Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed 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: 121874
Prep Batch: 103119

Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29

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	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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	82.3 - 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: 122013
Prep Batch: 103230

Date Analyzed: 2015-06-04
QC Preparation: 2015-06-04

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	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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	42.7	mg/L	1	50.0	<1.18	85	82.3 - 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: 121799

Date Analyzed: 2015-05-26

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	25.1	100	90 - 110	2015-05-26

Standard (CCV-1)

QC Batch: 121799

Date Analyzed: 2015-05-26

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	4.99	100	90 - 110	2015-05-26

Standard (CCV-2)

QC Batch: 121799

Date Analyzed: 2015-05-26

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	25.3	101	90 - 110	2015-05-26

Standard (CCV-2)

QC Batch: 121799

Date Analyzed: 2015-05-26

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	4.99	100	90 - 110	2015-05-26

Standard (CCV-3)

QC Batch: 121799

Date Analyzed: 2015-05-26

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	25.2	101	90 - 110	2015-05-26

Standard (CCV-3)

QC Batch: 121799

Date Analyzed: 2015-05-26

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	4.99	100	90 - 110	2015-05-26

Standard (ICV-1)

QC Batch: 121874

Date Analyzed: 2015-05-29

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	2015-05-29

Standard (CCV-1)

QC Batch: 121874

Date Analyzed: 2015-05-29

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	2015-05-29

Standard (ICV-1)

QC Batch: 122013

Date Analyzed: 2015-06-04

Analyzed By: CF

Report Date: June 4, 2015

Work Order: 15052613
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17900 S. 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	4.34	87	85 - 115	2015-06-04

Standard (CCV-1)

QC Batch: 122013

Date Analyzed: 2015-06-04

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	2015-06-04

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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.

6707 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

LAB Order ID # 15052613

Company Name: 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
Phone #: 915-859-8150
Cell #:
Fax #:

Invoice to (if different from above): Sunset Dairy, PO Box 10, Mesquite, NM 88048
Project #: 46771a
Project Name: Sunset Dairy
Project Signature: Judy

Project Location (including state): Sunset Dairy, 1790

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		TIME	Turn Around Time	Hold	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE				DATE
393947	257-01	1		X				X				X			5-26-15	7:44	
-2	257-01	1		X				X				X			7:44	7:44	
48-1	257-02	1		X				X				X			7:10	7:10	
-2	257-02	1		X				X				X			7:10	7:10	
257-08	257-08	1		X				X				X					
257-08	257-08	1		X				X				X					
49-1	257/260-01	1		X				X				X			8:46	8:46	
-2	257/260-01	1		X				X				X			8:46	8:46	
50-1	257 Lagoon	1		X				X				X			7:27	7:27	
-2	257 Lagoon	1		X				X				X			7:27	7:27	

Relinquished By: Judy Date: 5-26-15 Time: 13:10
 Received By: Judy Date: 5-26-15 Time: 13:10

Relinquished By: Blay TA Date: 5-26-15 Time: 16:30
 Received at Laboratory By: Blay TA Date: 5-26-15 Time: 9:15

Lab Use Only
 Intact Y/N
 Headspace Y/N
 Temp 23 See By
 Log-in Review OK

Remarks: 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

Jerry Settles
Del Oro Dairy, LLC.
1025 East O'Hara
P.O. Box 1846
Anthony, NM, 88021

Report Date: June 4, 2015

Work Order: 15052612



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
393951	Lagoon	water	2015-05-26	10:11	2015-05-26
393952	692-02	water	2015-05-26	11:37	2015-05-26
393953	692-06	water	2015-05-26	09:38	2015-05-26
393954	692-07	water	2015-05-26	10:50	2015-05-26

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 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 Del Oro Dairy were received by TraceAnalysis, Inc. on 2015-05-26 and assigned to work order 15052612. Samples for work order 15052612 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	103061	2015-05-26 at 19:19	121799	2015-05-26 at 17:17
NO3 (IC)	E 300.0	103061	2015-05-26 at 19:19	121799	2015-05-26 at 17:17
TDS	SM 2540C	103074	2015-05-28 at 13:00	121812	2015-05-28 at 13:20
TDS	SM 2540C	103117	2015-05-29 at 13:50	121870	2015-05-29 at 13:50
TKN	SM 4500-NH3 B,C	103230	2015-06-04 at 09:30	122013	2015-06-04 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 15052612 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. 121799 Method Blank-1	Nitrate-N	MI4	Instrument software integrated improperly

Analytical Report

Sample: 393951 - Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 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	1530	1530	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393951 - Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,M14,U	1,4,6	<0.0940	<5.00	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393951 - Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121812 Date Analyzed: 2015-05-28 Analyzed By: MC
 Prep Batch: 103074 Sample Preparation: 2015-05-28 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	14000	14000	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393951 - Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122013 Date Analyzed: 2015-06-04 Analyzed By: CF
 Prep Batch: 103230 Sample Preparation: 2015-06-04 Prepared By: CF

Report Date: June 4, 2015

Work Order: 15052612
Del Oro Dairy

Page Number: 6 of 22
1025 East OHara, Anthony, NM

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	553	553	<5.90	mg/L	5	5.90	10	1.18

Sample: 393952 - 692-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 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	973	973	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393952 - 692-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI4	1,4,6	140	140	<0.470	mg/L	50	0.470	0.5	0.0094

Sample: 393952 - 692-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121812 Date Analyzed: 2015-05-28 Analyzed By: MC
 Prep Batch: 103074 Sample Preparation: 2015-05-28 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	3430	3430	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393952 - 692-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122013 Date Analyzed: 2015-06-04 Analyzed By: CF
 Prep Batch: 103230 Sample Preparation: 2015-06-04 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	4.20	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393953 - 692-06

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	480	480	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 393953 - 692-06

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	B,J,MI4	1,4,6	4.29	<5.00	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393953 - 692-06

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121812 Date Analyzed: 2015-05-28 Analyzed By: MC
 Prep Batch: 103074 Sample Preparation: 2015-05-28 Prepared By: MC

continued . . .

sample 393953 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	1410	1410	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393953 - 692-06

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122013 Date Analyzed: 2015-06-04 Analyzed By: CF
 Prep Batch: 103230 Sample Preparation: 2015-06-04 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	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393954 - 692-07

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 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	589	589	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 393954 - 692-07

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121799 Date Analyzed: 2015-05-26 Analyzed By: JR
 Prep Batch: 103061 Sample Preparation: 2015-05-26 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	B,MI4	1,4,6	2.93	2.93	<0.00940	mg/L	1	0.00940	0.5	0.0094

Sample: 393954 - 692-07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121870 Date Analyzed: 2015-05-29 Analyzed By: MC
 Prep Batch: 103117 Sample Preparation: 2015-05-29 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	1580	1580	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393954 - 692-07

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122013 Date Analyzed: 2015-06-04 Analyzed By: CF
 Prep Batch: 103230 Sample Preparation: 2015-06-04 Prepared By: CF

Parameter	F	C	SDL Based Result	SQL 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: 121799
Prep Batch: 103061Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121799
Prep Batch: 103061Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,MI4	1,4,6	0.168	mg/L	0.0094

Method Blank (1)

QC Batch: 121812
Prep Batch: 103074Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed 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: 121870
Prep Batch: 103117Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed By: MC
Prepared By: MC

Report Date: June 4, 2015

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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: 122013
Prep Batch: 103230

Date Analyzed: 2015-06-04
QC Preparation: 2015-06-04

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: 393953QC Batch: 121812
Prep Batch: 103074Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1400	1410	mg/L	1	1	10

Duplicate (1) Duplicated Sample: 394072QC Batch: 121870
Prep Batch: 103117Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2420	2460	mg/L	1	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121799
Prep Batch: 103061Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed By: JR
Prepared By: JR

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Chloride		1,4,6	25.4	mg/L	1	25.0	<0.0984	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			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Chloride		1,4,6	25.3	mg/L	1	25.0	<0.0984	101	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: 121799
Prep Batch: 103061Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed By: JR
Prepared By: JR

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Nitrate-N		1,4,6	5.01	mg/L	1	5.00	<0.00940	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			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Nitrate-N		1,4,6	5.00	mg/L	1	5.00	<0.00940	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: 121812
Prep Batch: 103074Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed By: MC
Prepared By: MC

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Total Dissolved Solids		1,4,6	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.

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 393948QC Batch: 121799
Prep Batch: 103061Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,6	2200	mg/L	55.6	1390	727	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		1,4,6	2200	mg/L	55.6	1390	727	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: 393948QC Batch: 121799
Prep Batch: 103061Date Analyzed: 2015-05-26
QC Preparation: 2015-05-26Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,6	288	mg/L	55.6	278	9.36	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		1,4,6	288	mg/L	55.6	278	9.36	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: 394067QC Batch: 122013
Prep Batch: 103230Date Analyzed: 2015-06-04
QC Preparation: 2015-06-04Analyzed By: CF
Prepared By: CF

Param	F	C	MS		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	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.18	88	76.4 - 120	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: 121799

Date Analyzed: 2015-05-26

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.3	101	90 - 110	2015-05-26

Standard (CCV-2)

QC Batch: 121799

Date Analyzed: 2015-05-26

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.99	100	90 - 110	2015-05-26

Standard (CCV-3)

QC Batch: 121799

Date Analyzed: 2015-05-26

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.2	101	90 - 110	2015-05-26

Standard (CCV-3)

QC Batch: 121799

Date Analyzed: 2015-05-26

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.99	100	90 - 110	2015-05-26

Standard (CCV-4)

QC Batch: 121799

Date Analyzed: 2015-05-26

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.3	101	90 - 110	2015-05-26

Standard (CCV-4)

QC Batch: 121799

Date Analyzed: 2015-05-26

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	5.00	100	90 - 110	2015-05-26

Standard (CCV-5)

QC Batch: 121799

Date Analyzed: 2015-05-26

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.2	101	90 - 110	2015-05-26

Standard (CCV-5)

QC Batch: 121799

Date Analyzed: 2015-05-26

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	5.00	100	90 - 110	2015-05-26

Standard (ICV-1)

QC Batch: 122013

Date Analyzed: 2015-06-04

Analyzed By: CF

Report Date: June 4, 2015

Work Order: 15052612
Del Oro 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		2,3,7,8	mg/L	5.00	4.34	87	85 - 115	2015-06-04

Standard (CCV-1)

QC Batch: 122013

Date Analyzed: 2015-06-04

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	2015-06-04

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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.

15052612

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 # 15052612

Company Name: 915-859-8150
 D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907
 Contact Person: vajala@dhpump.com
 Victor Ayala

Project Name: Jerry Settles 575-882-4331
 Del Oro Dairy
 Project Location (including state):
 Del Oro Dairy, 1025 East O'Hara, Anthony, NM

Sampler Signature: JMS

LAB #	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
923951	lagoon	1	250	X			X	X	X	X		5-26-15	10:11
923952	lagoon	1	250	X			X	X	X	X			10:11
923953	692-02	1	250	X			X	X	X	X			11:37
923954	692-02	1	250	X			X	X	X	X			11:37
923955	692-06	1	250	X			X	X	X	X			9:38
923956	692-06	1	250	X			X	X	X	X			9:38
923957	692-07	1	250	X			X	X	X	X			10:50
923958	692-07	1	250	X			X	X	X	X			10:50

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
Hold	

Relinquished By: JMS Date: 5-26-15 Time: 13:10
 Received By: [Signature] Date: 5-26-15 Time: 13:10

Relinquished By: [Signature] Date: 5-26-15 Time: 16:30
 Received By: [Signature] Date: 5-27-15 Time: 9:15

Lab Use Only
 Intact Y / N
 Headspace Y / N
 Temp 21.3 C
 Log-in Review DDH

Remarks: LS 14936 8251
12-F22 193 3/3.8
 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
 Organ Dairy LLC

Report Date: May 27, 2015

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

Work Order: 15051341



DP: 467717
 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
393217	Lagoon	water	2015-05-13	09:53	2015-05-13
393218	126-04	water	2015-05-13	09:33	2015-05-13
393219	126-07	water	2015-05-13	10:18	2015-05-13
393220	126-09	water	2015-05-13	10:53	2015-05-13

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 Organ Dairy were received by TraceAnalysis, Inc. on 2015-05-13 and assigned to work order 15051341. Samples for work order 15051341 were received intact at a temperature of 1 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	102805	2015-05-13 at 21:42	121507	2015-05-13 at 21:42
NO3 (IC)	E 300.0	102805	2015-05-13 at 21:42	121507	2015-05-13 at 21:42
TDS	SM 2540C	102843	2015-05-14 at 15:00	121549	2015-05-14 at 15:00
TKN	SM 4500-NH3 B,C	102886	2015-05-18 at 12:00	121596	2015-05-18 at 14:40

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 15051341 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.

The temperature of the Cold Box for storing samples was between 6 and 24.5 degrees C for about 30 hours on May 17-18, 2015. We do not feel this will affect your TKN results. All other analyses were prepped before this incidence.

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. 121507 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 393217 - Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121507 Date Analyzed: 2015-05-13 Analyzed By: JR
 Prep Batch: 102805 Sample Preparation: 2015-05-13 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	1190	1190	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393217 - Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121507 Date Analyzed: 2015-05-13 Analyzed By: JR
 Prep Batch: 102805 Sample Preparation: 2015-05-13 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,J,Je,MI5	1,4,5	1.05	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393217 - Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121549 Date Analyzed: 2015-05-14 Analyzed By: MC
 Prep Batch: 102843 Sample Preparation: 2015-05-14 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	5480	5480	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393217 - Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121596 Date Analyzed: 2015-05-18 Analyzed By: CF
 Prep Batch: 102886 Sample Preparation: 2015-05-18 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		2,3,6,7	281	281	<1.18	mg/L	1	1.18	10	1.18

Sample: 393218 - 126-04

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121507 Date Analyzed: 2015-05-13 Analyzed By: JR
 Prep Batch: 102805 Sample Preparation: 2015-05-13 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	575	575	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393218 - 126-04

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121507 Date Analyzed: 2015-05-13 Analyzed By: JR
 Prep Batch: 102805 Sample Preparation: 2015-05-13 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,Je,MI5	1,4,5	17.9	17.9	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393218 - 126-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121549 Date Analyzed: 2015-05-14 Analyzed By: MC
 Prep Batch: 102843 Sample Preparation: 2015-05-14 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	2560	2560	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393218 - 126-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121596 Date Analyzed: 2015-05-18 Analyzed By: CF
 Prep Batch: 102886 Sample Preparation: 2015-05-18 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	4.20	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393219 - 126-07

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121507 Date Analyzed: 2015-05-13 Analyzed By: JR
 Prep Batch: 102805 Sample Preparation: 2015-05-13 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	567	567	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393219 - 126-07

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121507 Date Analyzed: 2015-05-13 Analyzed By: JR
 Prep Batch: 102805 Sample Preparation: 2015-05-13 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	B,Je,MI5	1,4,5	21.3	21.3	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393219 - 126-07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121549 Date Analyzed: 2015-05-14 Analyzed By: MC
 Prep Batch: 102843 Sample Preparation: 2015-05-14 Prepared By: MC

continued . . .

sample 393219 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	2460	2460	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393219 - 126-07

Laboratory: Lubbock

Analysis: TKN

QC Batch: 121596

Prep Batch: 102886

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-05-18

Sample Preparation: 2015-05-18

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	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393220 - 126-09

Laboratory: El Paso

Analysis: Chloride (IC)

QC Batch: 121507

Prep Batch: 102805

Analytical Method: E 300.0

Date Analyzed: 2015-05-13

Sample Preparation: 2015-05-13

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	873	873	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393220 - 126-09

Laboratory: El Paso

Analysis: NO3 (IC)

QC Batch: 121507

Prep Batch: 102805

Analytical Method: E 300.0

Date Analyzed: 2015-05-13

Sample Preparation: 2015-05-13

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	B,J,Je,MI5	1,4,5	2.34	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393220 - 126-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121549 Date Analyzed: 2015-05-14 Analyzed By: MC
 Prep Batch: 102843 Sample Preparation: 2015-05-14 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	2500	2500	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393220 - 126-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121596 Date Analyzed: 2015-05-18 Analyzed By: CF
 Prep Batch: 102886 Sample Preparation: 2015-05-18 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: 121507
Prep Batch: 102805Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121507
Prep Batch: 102805Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,Je,MI5	1,4,5	0.168	mg/L	0.0094

Method Blank (1)

QC Batch: 121549
Prep Batch: 102843Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14Analyzed 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: 121596
Prep Batch: 102886Date Analyzed: 2015-05-18
QC Preparation: 2015-05-18Analyzed By: CF
Prepared By: CF

Report Date: May 27, 2015

Work Order: 15051341
Organ Dairy

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12560 Stern Dr., 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: 393221

QC Batch: 121549
Prep Batch: 102843

Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	3540	3440	mg/L	1	3	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121507
Prep Batch: 102805Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	24.8	mg/L	1	25.0	<0.0984	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	24.8	mg/L	1	25.0	<0.0984	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: 121507
Prep Batch: 102805Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed 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	<0.00940	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	4.91	mg/L	1	5.00	<0.00940	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: 121549
Prep Batch: 102843Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14Analyzed 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: 121596
Prep Batch: 102886

Date Analyzed: 2015-05-18
QC Preparation: 2015-05-18

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	43.4	mg/L	1	50.0	<1.18	87	82.3 - 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	46.2	mg/L	1	50.0	<1.18	92	82.3 - 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: 393218QC Batch: 121507
Prep Batch: 102805Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,5	2050	mg/L	55.6	1390	575	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		1,4,5	2060	mg/L	55.6	1390	575	107	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: 393218QC Batch: 121507
Prep Batch: 102805Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,5	293	mg/L	55.6	278	17.9	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,5	293	mg/L	55.6	278	17.9	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: 393222QC Batch: 121596
Prep Batch: 102886Date Analyzed: 2015-05-18
QC Preparation: 2015-05-18Analyzed By: CF
Prepared By: CF

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,6,7	44.1	mg/L	1	50.0	<1.18	88	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,6,7	43.4	mg/L	1	50.0	<1.18	87	76.4 - 120	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: 121507

Date Analyzed: 2015-05-13

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	23.6	94	90 - 110	2015-05-13

Standard (CCV-1)

QC Batch: 121507

Date Analyzed: 2015-05-13

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	4.73	95	90 - 110	2015-05-13

Standard (CCV-2)

QC Batch: 121507

Date Analyzed: 2015-05-13

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	24.0	96	90 - 110	2015-05-13

Standard (CCV-2)

QC Batch: 121507

Date Analyzed: 2015-05-13

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	4.79	96	90 - 110	2015-05-13

Standard (CCV-3)

QC Batch: 121507

Date Analyzed: 2015-05-13

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	24.4	98	90 - 110	2015-05-13

Standard (CCV-3)

QC Batch: 121507

Date Analyzed: 2015-05-13

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	2015-05-13

Standard (ICV-1)

QC Batch: 121596

Date Analyzed: 2015-05-18

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		2,3,6,7	mg/L	5.00	4.48	90	85 - 115	2015-05-18

Standard (CCV-1)

QC Batch: 121596

Date Analyzed: 2015-05-18

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		2,3,6,7	mg/L	5.00	4.62	92	85 - 115	2015-05-18

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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.

155 McCutcheon, Ste. H El Paso, TX 79932
 Tel (915) 585-3443 Fax (915) 585-4944
TraceAnalysis, Inc.
 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): Organ Dairy (Former Del Norte), P.O. Box 130, Mesilla Park, NM 870
 Project #: 467717 Project Name: Organ 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
393217-1	lagoon	1	250	X				X	X	X	X	5-13-15	9:53
↓-2	lagoon	1	250	X				X	X	X	X		9:53
18-1	126-04	1	250	X				X	X	X	X		9:33
↓-2	126-04	1	250	X				X	X	X	X		9:33
19-1	126-07	1	250	X				X	X	X	X		10:18
↓-2	126-07	1	250	X				X	X	X	X		10:18
20-1	126-09	1	250	X				X	X	X	X		10:53
↓-2	126-09	1	250	X				X	X	X	X		10:53
		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		

Project Location (including state): Organ Dairy, 12560 Stern Drive, Mesquite, NM

Relinquished By: [Signature] Date: 5-13-15 Time: 14:48

Received By: [Signature] Date: 5-13-15 Time: 14:48

Relinquished By: [Signature] Date: 5-13-15 Time: 14:30

Received at Laboratory By: [Signature] Date: 5-13-15 Time: 14:48

Received at Laboratory By: [Signature] Date: 5-13-15 Time: 14:48

Lab Use Only
 Intact Y N
 Headspace Y N
 Temp. 21.2
 Log-in Reviewed DPH

Remarks: Carryover LS 49366239
NR3-1.1
 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: June 8, 2015

P.O. Box 10
 Mesquite, NM, 88048

Work Order: 15052736



Project Location: Various Dairies, Dona Ana County, NM
 Project Name: Dona Ana Dairies Consortium
 Project #: 467715

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
394065	DAD-01	water	2015-05-27	10:42	2015-05-27
394066	DAD-02	water	2015-05-27	11:13	2015-05-27
394067	DAD-03	water	2015-05-27	11:41	2015-05-27
394068	DAD-04	water	2015-05-27	12:09	2015-05-27
394069	DAD-05	water	2015-05-27	12:50	2015-05-27
394070	DAD-09	water	2015-05-27	08:13	2015-05-27
394071	DAD-10	water	2015-05-27	10:04	2015-05-27
394072	DAD-20	water	2015-05-27	09:25	2015-05-27
394073	DAD-21	water	2015-05-27	07:52	2015-05-27
394074	DAD-22	water	2015-05-27	08:28	2015-05-27

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.

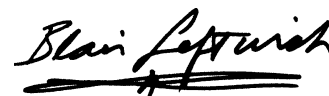
TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

This report consists of a total of 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 stroke.

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 2015-05-27 and assigned to work order 15052736. Samples for work order 15052736 were received intact at a temperature of 1 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	103085	2015-05-27 at 18:20	121828	2015-05-27 at 18:20
NO3 (IC)	E 300.0	103085	2015-05-27 at 18:20	121828	2015-05-27 at 18:20
TDS	SM 2540C	103117	2015-05-29 at 13:50	121870	2015-05-29 at 13:50
TDS	SM 2540C	103165	2015-06-01 at 13:45	121930	2015-06-01 at 13:45
TKN	SM 4500-NH3 B,C	103230	2015-06-04 at 09:30	122013	2015-06-04 at 13:00
TKN	SM 4500-NH3 B,C	103301	2015-06-08 at 12:00	122097	2015-06-08 at 14:30

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 15052736 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: 394065 - DAD-01

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	418	418	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 394065 - DAD-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	10.9	10.9	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 394065 - DAD-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121870 Date Analyzed: 2015-05-29 Analyzed By: MC
 Prep Batch: 103117 Sample Preparation: 2015-05-29 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	1640	1640	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 394065 - DAD-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122013 Date Analyzed: 2015-06-04 Analyzed By: CF
 Prep Batch: 103230 Sample Preparation: 2015-06-04 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: 394066 - DAD-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 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	465	465	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 394066 - DAD-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	10.6	10.6	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 394066 - DAD-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121870 Date Analyzed: 2015-05-29 Analyzed By: MC
 Prep Batch: 103117 Sample Preparation: 2015-05-29 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	1540	1540	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 394066 - DAD-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122013 Date Analyzed: 2015-06-04 Analyzed By: CF
 Prep Batch: 103230 Sample Preparation: 2015-06-04 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: 394067 - DAD-03

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	738	738	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 394067 - DAD-03

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 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	<0.0470	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 394067 - DAD-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121870 Date Analyzed: 2015-05-29 Analyzed By: MC
 Prep Batch: 103117 Sample Preparation: 2015-05-29 Prepared By: MC

continued . . .

sample 394067 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	2620	2620	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 394067 - DAD-03

Laboratory: Lubbock

Analysis: TKN

QC Batch: 122013

Prep Batch: 103230

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-06-04

Sample Preparation: 2015-06-04

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

Sample: 394068 - DAD-04

Laboratory: El Paso

Analysis: Chloride (IC)

QC Batch: 121828

Prep Batch: 103085

Analytical Method: E 300.0

Date Analyzed: 2015-05-27

Sample Preparation: 2015-05-27

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		1,4,5	475	475	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 394068 - DAD-04

Laboratory: El Paso

Analysis: NO3 (IC)

QC Batch: 121828

Prep Batch: 103085

Analytical Method: E 300.0

Date Analyzed: 2015-05-27

Sample Preparation: 2015-05-27

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	J,Je	1,4,5	0.176	<0.500	<0.00940	mg/L	1	0.00940	0.5	0.0094

Sample: 394068 - DAD-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121870 Date Analyzed: 2015-05-29 Analyzed By: MC
 Prep Batch: 103117 Sample Preparation: 2015-05-29 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	1820	1820	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 394068 - DAD-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122097 Date Analyzed: 2015-06-08 Analyzed By: CF
 Prep Batch: 103301 Sample Preparation: 2015-06-08 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: 394069 - DAD-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	436	436	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 394069 - DAD-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	J	1,4,5	4.48	<5.00	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 394069 - DAD-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121870 Date Analyzed: 2015-05-29 Analyzed By: MC
 Prep Batch: 103117 Sample Preparation: 2015-05-29 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	2180	2180	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 394069 - DAD-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122097 Date Analyzed: 2015-06-08 Analyzed By: CF
 Prep Batch: 103301 Sample Preparation: 2015-06-08 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: 394070 - DAD-09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

continued ...

sample 394070 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	508	508	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 394070 - DAD-09

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	5.25	5.25	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 394070 - DAD-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121870 Date Analyzed: 2015-05-29 Analyzed By: MC
 Prep Batch: 103117 Sample Preparation: 2015-05-29 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	1920	1920	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 394070 - DAD-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122097 Date Analyzed: 2015-06-08 Analyzed By: CF
 Prep Batch: 103301 Sample Preparation: 2015-06-08 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: 394071 - DAD-10

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	490	490	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 394071 - DAD-10

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	13.1	13.1	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 394071 - DAD-10

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121870 Date Analyzed: 2015-05-29 Analyzed By: MC
 Prep Batch: 103117 Sample Preparation: 2015-05-29 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	1550	1550	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 394071 - DAD-10

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122097 Date Analyzed: 2015-06-08 Analyzed By: CF
 Prep Batch: 103301 Sample Preparation: 2015-06-08 Prepared By: CF

continued . . .

sample 394071 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: 394072 - DAD-20

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	905	905	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 394072 - DAD-20

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	20.2	20.2	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 394072 - DAD-20

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121870 Date Analyzed: 2015-05-29 Analyzed By: MC
 Prep Batch: 103117 Sample Preparation: 2015-05-29 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	2460	2460	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 394072 - DAD-20

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122097 Date Analyzed: 2015-06-08 Analyzed By: CF
 Prep Batch: 103301 Sample Preparation: 2015-06-08 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: 394073 - DAD-21

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	609	609	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 394073 - DAD-21

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	6.44	6.44	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 394073 - DAD-21

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121930 Date Analyzed: 2015-06-01 Analyzed By: MC
 Prep Batch: 103165 Sample Preparation: 2015-06-01 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
Total Dissolved Solids		1,4,5	1910	1910	<125	mg/L	50	125	2.5	2.5

Sample: 394073 - DAD-21

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122097 Date Analyzed: 2015-06-08 Analyzed By: CF
 Prep Batch: 103301 Sample Preparation: 2015-06-08 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: 394074 - DAD-22

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
Chloride		1,4,5	920	920	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 394074 - DAD-22

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121828 Date Analyzed: 2015-05-27 Analyzed By: JR
 Prep Batch: 103085 Sample Preparation: 2015-05-27 Prepared By: JR

continued ...

sample 394074 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	6.56	6.56	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 394074 - DAD-22

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121930 Date Analyzed: 2015-06-01 Analyzed By: MC
 Prep Batch: 103165 Sample Preparation: 2015-06-01 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	2520	2520	<125	mg/L	50	125	2.5	2.5

Sample: 394074 - DAD-22

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122097 Date Analyzed: 2015-06-08 Analyzed By: CF
 Prep Batch: 103301 Sample Preparation: 2015-06-08 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: 121828
Prep Batch: 103085Date Analyzed: 2015-05-27
QC Preparation: 2015-05-27Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121828
Prep Batch: 103085Date Analyzed: 2015-05-27
QC Preparation: 2015-05-27Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,5	<0.00940	mg/L	0.0094

Method Blank (1)

QC Batch: 121870
Prep Batch: 103117Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed 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: 121930
Prep Batch: 103165Date Analyzed: 2015-06-01
QC Preparation: 2015-06-01Analyzed 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: 122013
Prep Batch: 103230Date Analyzed: 2015-06-04
QC Preparation: 2015-06-04Analyzed 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: 122097
Prep Batch: 103301Date Analyzed: 2015-06-08
QC Preparation: 2015-06-08Analyzed 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: 394072QC Batch: 121870
Prep Batch: 103117Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	2420	2460	mg/L	1	2	10

Duplicate (1) Duplicated Sample: 394168QC Batch: 121930
Prep Batch: 103165Date Analyzed: 2015-06-01
QC Preparation: 2015-06-01Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	1420	1380	mg/L	50	3	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121828
Prep Batch: 103085Date Analyzed: 2015-05-27
QC Preparation: 2015-05-27Analyzed 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	<0.0984	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.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	25.2	mg/L	1	25.0	<0.0984	101	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: 121828
Prep Batch: 103085Date Analyzed: 2015-05-27
QC Preparation: 2015-05-27Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	5.02	mg/L	1	5.00	<0.00940	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
Nitrate-N		1,4,5	4.98	mg/L	1	5.00	<0.00940	100	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: 121870
Prep Batch: 103117Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed 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	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	1000	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: 121930
Prep Batch: 103165

Date Analyzed: 2015-06-01
QC Preparation: 2015-06-01

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	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	995	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: 122013
Prep Batch: 103230

Date Analyzed: 2015-06-04
QC Preparation: 2015-06-04

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	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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	42.7	mg/L	1	50.0	<1.18	85	82.3 - 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: 122097
Prep Batch: 103301

Date Analyzed: 2015-06-08
QC Preparation: 2015-06-08

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	43.4	mg/L	1	50.0	<1.18	87	82.3 - 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	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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: 394074QC Batch: 121828
Prep Batch: 103085Date Analyzed: 2015-05-27
QC Preparation: 2015-05-27Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	2480	mg/L	55.6	1390	920	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		1,4,5	2480	mg/L	55.6	1390	920	112	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: 394074QC Batch: 121828
Prep Batch: 103085Date Analyzed: 2015-05-27
QC Preparation: 2015-05-27Analyzed 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	6.56	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
Nitrate-N		1,4,5	285	mg/L	55.6	278	6.56	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: 394067QC Batch: 122013
Prep Batch: 103230Date Analyzed: 2015-06-04
QC Preparation: 2015-06-04Analyzed 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	44.8	mg/L	1	50.0	<1.18	90	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,6,7	44.1	mg/L	1	50.0	<1.18	88	76.4 - 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: 394163

QC Batch: 122097
 Prep Batch: 103301

Date Analyzed: 2015-06-08
 QC Preparation: 2015-06-08

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	42.7	mg/L	1	50.0	<1.18	85	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,6,7	43.4	mg/L	1	50.0	<1.18	87	76.4 - 120	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: 121828

Date Analyzed: 2015-05-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.8	99	90 - 110	2015-05-27

Standard (CCV-1)

QC Batch: 121828

Date Analyzed: 2015-05-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.92	98	90 - 110	2015-05-27

Standard (CCV-2)

QC Batch: 121828

Date Analyzed: 2015-05-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.0	100	90 - 110	2015-05-27

Standard (CCV-2)

QC Batch: 121828

Date Analyzed: 2015-05-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.95	99	90 - 110	2015-05-27

Standard (CCV-3)

QC Batch: 121828

Date Analyzed: 2015-05-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.3	101	90 - 110	2015-05-27

Standard (CCV-3)

QC Batch: 121828

Date Analyzed: 2015-05-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.97	99	90 - 110	2015-05-27

Standard (CCV-4)

QC Batch: 121828

Date Analyzed: 2015-05-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.4	102	90 - 110	2015-05-27

Standard (CCV-4)

QC Batch: 121828

Date Analyzed: 2015-05-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.98	100	90 - 110	2015-05-27

Standard (CCV-5)

QC Batch: 121828

Date Analyzed: 2015-05-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.2	101	90 - 110	2015-05-27

Standard (CCV-5)

QC Batch: 121828

Date Analyzed: 2015-05-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.99	100	90 - 110	2015-05-27

Standard (ICV-1)

QC Batch: 122013

Date Analyzed: 2015-06-04

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	2015-06-04

Standard (CCV-1)

QC Batch: 122013

Date Analyzed: 2015-06-04

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	2015-06-04

Standard (ICV-1)

QC Batch: 122097

Date Analyzed: 2015-06-08

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	2015-06-08

Report Date: June 8, 2015

Work Order: 15052736
Dona Ana Dairies Consortium

Page Number: 29 of 32
Various Dairies, Dona Ana County, NM

Standard (CCV-1)

QC Batch: 122097

Date Analyzed: 2015-06-08

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	2015-06-08

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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.

15052736

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Lubbock, TX 79424
Tel (806) 794-1296
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TraceAnalysis, Inc.

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

Page 1 of 2
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 15052736

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 #: 915-859-8150
Fax #: 915-859-8150
E-mail: vajala@dhpump.com

Invoice to (if different from above):
Dona Ana Dairies, PO Box 10, Mesquite, NM 88048
Project #: 467715
Project Name: Linda Armstrong 575-233-3620
Dona Ana Dairies Consortium
Sampler Signature: *[Signature]*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		TIME	Hold
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE		
394065	Dad-01	1	250	X			X			X			10:42	
1-2	Dad-01	1	250	X			X			X			10:42	
44	Dad-02	1	250	X			X			X			11:13	
1-2	Dad-02	1	250	X			X			X			11:13	
47	Dad-03	1	250	X			X			X			11:41	
1-2	Dad-03	1	250	X			X			X			11:41	
48	Dad-04	1	250	X			X			X			12:09	
1-2	Dad-04	1	250	X			X			X			12:09	
69	Dad-05	1	250	X			X			X			12:50	
1-2	Dad-05	1	250	X			X			X			12:50	
70	Dad-09	1	250	X			X			X			8:13	
1-2	Dad-09	1	250	X			X			X			8:13	
71	Dad-10	1	250	X			X			X			10:04	
1-2	Dad-10	1	250	X			X			X			10:04	
72	Dad-20	1	250	X			X			X			9:25	
1-2	Dad-20	1	250	X			X			X			9:25	

ANALYSIS REQUEST

PAH 8270C	
TX 1005 Extended (C35)	
TPH 418.1 / TX1005	
BTEX 8021B/602	
MTBE 8021B/602	
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

Lab Use Only
Intact N
Headspace N
Temp 12.2 91.1
Log-in Review
Remarks: KLS 49368252
Dry Weight Basis Required
TRRP Report Required 1R3/1.5

Relinquished By: *[Signature]* Date: 5/27/15 Time: 13:10
Received By: *[Signature]* Date: 5/27/15 Time: 13:10
Relinquished By: *[Signature]* Date: 5/27/15 Time: 14:30
Received at Laboratory By: *[Signature]* Date: 5/28/15 Time: 9:15



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
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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

Jerry Settles
Del Oro Dairy, LLC.
1025 East O'Hara
P.O. Box 1846
Anthony, NM, 88021

Report Date: June 9, 2015

Work Order: 15052827



Project Location: 1025 E. O'Hara , Anthony, NM
Project Name: Del Oro Dairy
Project Number: 467713

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
394166	692-05	water	2015-05-28	09:17	2015-05-28
394167	692-08	water	2015-05-28	09:43	2015-05-28
394168	692-09	water	2015-05-28	10:19	2015-05-28

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 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 Del Oro Dairy were received by TraceAnalysis, Inc. on 2015-05-28 and assigned to work order 15052827. Samples for work order 15052827 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	103123	2015-05-28 at 19:16	121879	2015-05-28 at 19:16
NO3 (IC)	E 300.0	103123	2015-05-28 at 19:16	121879	2015-05-28 at 19:16
TDS	SM 2540C	103165	2015-06-01 at 13:45	121930	2015-06-01 at 13:45
TKN	SM 4500-NH3 B,C	103324	2015-06-09 at 09:45	122131	2015-06-09 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 15052827 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: 394166 - 692-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
 Prep Batch: 103123 Sample Preparation: 2015-05-28 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	474	474	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 394166 - 692-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
 Prep Batch: 103123 Sample Preparation: 2015-05-28 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	3.93	3.93	<0.00940	mg/L	1	0.00940	0.5	0.0094

Sample: 394166 - 692-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121930 Date Analyzed: 2015-06-01 Analyzed By: MC
 Prep Batch: 103165 Sample Preparation: 2015-06-01 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		1,4,5	1440	1440	<125	mg/L	50	125	2.5	2.5

Sample: 394166 - 692-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122131 Date Analyzed: 2015-06-09 Analyzed By: CF
 Prep Batch: 103324 Sample Preparation: 2015-06-09 Prepared By: CF

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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	2,3,6,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 394167 - 692-08

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
 Prep Batch: 103123 Sample Preparation: 2015-05-28 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	460	460	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 394167 - 692-08

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
 Prep Batch: 103123 Sample Preparation: 2015-05-28 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	0.652	0.652	<0.00940	mg/L	1	0.00940	0.5	0.0094

Sample: 394167 - 692-08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121930 Date Analyzed: 2015-06-01 Analyzed By: MC
 Prep Batch: 103165 Sample Preparation: 2015-06-01 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	1430	1430	<125	mg/L	50	125	2.5	2.5

Sample: 394167 - 692-08

Report Date: June 9, 2015
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Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 122131 Date Analyzed: 2015-06-09 Analyzed By: CF
Prep Batch: 103324 Sample Preparation: 2015-06-09 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 394168 - 692-09

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
Prep Batch: 103123 Sample Preparation: 2015-05-28 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	460	460	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 394168 - 692-09

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
Prep Batch: 103123 Sample Preparation: 2015-05-28 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	2.85	2.85	<0.00940	mg/L	1	0.00940	0.5	0.0094

Sample: 394168 - 692-09

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 121930 Date Analyzed: 2015-06-01 Analyzed By: MC
Prep Batch: 103165 Sample Preparation: 2015-06-01 Prepared By: MC

continued . . .

sample 394168 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
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	1380	1380	<125	mg/L	50	125	2.5	2.5

Sample: 394168 - 692-09

Laboratory: Lubbock
Analysis: TKN
QC Batch: 122131
Prep Batch: 103324

Analytical Method: SM 4500-NH3 B,C
Date Analyzed: 2015-06-09
Sample Preparation: 2015-06-09

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)
Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	u	2,3,6,8	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121879
Prep Batch: 103123

Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121879
Prep Batch: 103123

Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,5	<0.00940	mg/L	0.0094

Method Blank (1)

QC Batch: 121930
Prep Batch: 103165

Date Analyzed: 2015-06-01
QC Preparation: 2015-06-01

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: 122131
Prep Batch: 103324

Date Analyzed: 2015-06-09
QC Preparation: 2015-06-09

Analyzed By: CF
Prepared By: CF

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Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,8	<1.18	mg/L	1.18

Duplicates

Duplicate (1) Duplicated Sample: 394168

QC Batch: 121930
Prep Batch: 103165

Date Analyzed: 2015-06-01
QC Preparation: 2015-06-01

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	1420	1380	mg/L	50	3	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121879
Prep Batch: 103123

Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	25.4	mg/L	1	25.0	<0.0984	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		1,4,5	25.4	mg/L	1	25.0	<0.0984	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: 121879
Prep Batch: 103123

Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	5.02	mg/L	1	5.00	<0.00940	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		1,4,5	5.02	mg/L	1	5.00	<0.00940	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: 121930
Prep Batch: 103165

Date Analyzed: 2015-06-01
QC Preparation: 2015-06-01

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	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.

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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	995	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: 122131
Prep Batch: 103324

Date Analyzed: 2015-06-09
QC Preparation: 2015-06-09

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		2,3,6,8	43.4	mg/L	1	50.0	<1.18	87	82.3 - 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		2,3,6,8	46.2	mg/L	1	50.0	<1.18	92	82.3 - 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: 394164

QC Batch: 121879
Prep Batch: 103123

Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28

Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	2310	mg/L	55.6	1390	825	107	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	2320	mg/L	55.6	1390	825	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: 394164

QC Batch: 121879
Prep Batch: 103123

Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28

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	289	mg/L	55.6	278	9.86	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
Nitrate-N		1,4,5	290	mg/L	55.6	278	9.86	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: 394328

QC Batch: 122131
Prep Batch: 103324

Date Analyzed: 2015-06-09
QC Preparation: 2015-06-09

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,8	42.7	mg/L	1	50.0	<1.18	85	76.4 - 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 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	76.4 - 120	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: 121879

Date Analyzed: 2015-05-28

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.0	100	90 - 110	2015-05-28

Standard (CCV-2)

QC Batch: 121879

Date Analyzed: 2015-05-28

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.93	99	90 - 110	2015-05-28

Standard (CCV-3)

QC Batch: 121879

Date Analyzed: 2015-05-28

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	25.0	100	90 - 110	2015-05-28

Standard (CCV-3)

QC Batch: 121879

Date Analyzed: 2015-05-28

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.96	99	90 - 110	2015-05-28

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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	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.
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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 (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: June 9, 2015

P.O. Box 10
 Mesquite, NM, 88048

Work Order: 15052936



Project Location: Various Dairies, Dona Ana County, NM
 Project Name: Dona Ana Dairies Consortium
 Project #: 467715

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
394324	DAD-11	water	2015-05-29	08:07	2015-05-29
394325	DAD-12	water	2015-05-29	09:27	2015-05-29
394326	DAD-13	water	2015-05-29	10:07	2015-05-29
394327	DAD-14	water	2015-05-29	08:51	2015-05-29
394328	DAD-15	water	2015-05-29	11:01	2015-05-29
394329	DAD-16	water	2015-05-29	07:35	2015-05-29

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.

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 2015-05-29 and assigned to work order 15052936. Samples for work order 15052936 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	103152	2015-05-29 at 18:09	121914	2015-05-29 at 18:09
NO3 (IC)	E 300.0	103152	2015-05-29 at 18:09	121914	2015-05-29 at 18:09
TDS	SM 2540C	103196	2015-06-03 at 15:15	121972	2015-06-02 at 15:15
TKN	SM 4500-NH3 B,C	103324	2015-06-09 at 09:45	122131	2015-06-09 at 13:00
TKN	SM 4500-NH3 B,C	103325	2015-06-09 at 09:45	122132	2015-06-09 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 15052936 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. 121914 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 394324 - DAD-11

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121914 Date Analyzed: 2015-05-29 Analyzed By: JR
 Prep Batch: 103152 Sample Preparation: 2015-05-29 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	990	990	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 394324 - DAD-11

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121914 Date Analyzed: 2015-05-29 Analyzed By: JR
 Prep Batch: 103152 Sample Preparation: 2015-05-29 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		B,Je,MI5 1,4,6	13.9	13.9	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 394324 - DAD-11

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121972 Date Analyzed: 2015-06-02 Analyzed By: MC
 Prep Batch: 103196 Sample Preparation: 2015-06-03 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	3070	3070	<125	mg/L	50	125	2.5	2.5

Sample: 394324 - DAD-11

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122131 Date Analyzed: 2015-06-09 Analyzed By: CF
 Prep Batch: 103324 Sample Preparation: 2015-06-09 Prepared By: CF

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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: 394325 - DAD-12

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121914 Date Analyzed: 2015-05-29 Analyzed By: JR
 Prep Batch: 103152 Sample Preparation: 2015-05-29 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	705	705	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 394325 - DAD-12

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121914 Date Analyzed: 2015-05-29 Analyzed By: JR
 Prep Batch: 103152 Sample Preparation: 2015-05-29 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		B,Je,MI5 1,4,6	14.6	14.6	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 394325 - DAD-12

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121972 Date Analyzed: 2015-06-02 Analyzed By: MC
 Prep Batch: 103196 Sample Preparation: 2015-06-03 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: 394325 - DAD-12

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122131 Date Analyzed: 2015-06-09 Analyzed By: CF
 Prep Batch: 103324 Sample Preparation: 2015-06-09 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 394326 - DAD-13

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121914 Date Analyzed: 2015-05-29 Analyzed By: JR
 Prep Batch: 103152 Sample Preparation: 2015-05-29 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	666	666	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 394326 - DAD-13

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121914 Date Analyzed: 2015-05-29 Analyzed By: JR
 Prep Batch: 103152 Sample Preparation: 2015-05-29 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	B,Je,MI5	1,4,6	11.8	11.8	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 394326 - DAD-13

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121972 Date Analyzed: 2015-06-02 Analyzed By: MC
 Prep Batch: 103196 Sample Preparation: 2015-06-03 Prepared By: MC

continued . . .

sample 394326 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	2280	2280	<125	mg/L	50	125	2.5	2.5

Sample: 394326 - DAD-13

Laboratory: Lubbock

Analysis: TKN

QC Batch: 122131

Prep Batch: 103324

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-06-09

Sample Preparation: 2015-06-09

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	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 394327 - DAD-14

Laboratory: El Paso

Analysis: Chloride (IC)

QC Batch: 121914

Prep Batch: 103152

Analytical Method: E 300.0

Date Analyzed: 2015-05-29

Sample Preparation: 2015-05-29

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	1030	1030	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 394327 - DAD-14

Laboratory: El Paso

Analysis: NO3 (IC)

QC Batch: 121914

Prep Batch: 103152

Analytical Method: E 300.0

Date Analyzed: 2015-05-29

Sample Preparation: 2015-05-29

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	B,Je,MI5	1,4,6	32.7	32.7	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 394327 - DAD-14

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121972 Date Analyzed: 2015-06-02 Analyzed By: MC
 Prep Batch: 103196 Sample Preparation: 2015-06-03 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	3320	3320	<125	mg/L	50	125	2.5	2.5

Sample: 394327 - DAD-14

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122131 Date Analyzed: 2015-06-09 Analyzed By: CF
 Prep Batch: 103324 Sample Preparation: 2015-06-09 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	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 394328 - DAD-15

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121914 Date Analyzed: 2015-05-29 Analyzed By: JR
 Prep Batch: 103152 Sample Preparation: 2015-05-29 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	536	536	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 394328 - DAD-15

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121914 Date Analyzed: 2015-05-29 Analyzed By: JR
 Prep Batch: 103152 Sample Preparation: 2015-05-29 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	B,Je,MI5	1,4,6	5.43	5.43	<0.00940	mg/L	1	0.00940	0.5	0.0094

Sample: 394328 - DAD-15

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121972 Date Analyzed: 2015-06-02 Analyzed By: MC
 Prep Batch: 103196 Sample Preparation: 2015-06-03 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	1940	1940	<125	mg/L	50	125	2.5	2.5

Sample: 394328 - DAD-15

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122131 Date Analyzed: 2015-06-09 Analyzed By: CF
 Prep Batch: 103324 Sample Preparation: 2015-06-09 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 394329 - DAD-16

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121914 Date Analyzed: 2015-05-29 Analyzed By: JR
 Prep Batch: 103152 Sample Preparation: 2015-05-29 Prepared By: JR

continued ...

sample 394329 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	431	431	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 394329 - DAD-16

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121914 Date Analyzed: 2015-05-29 Analyzed By: JR
 Prep Batch: 103152 Sample Preparation: 2015-05-29 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	B,J,Je,MI5	1,4,6	3.30	<5.00	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 394329 - DAD-16

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121972 Date Analyzed: 2015-06-02 Analyzed By: MC
 Prep Batch: 103196 Sample Preparation: 2015-06-03 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	2060	2060	<125	mg/L	50	125	2.5	2.5

Sample: 394329 - DAD-16

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122132 Date Analyzed: 2015-06-09 Analyzed By: CF
 Prep Batch: 103325 Sample Preparation: 2015-06-09 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	2,3,7,9	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121914
Prep Batch: 103152Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121914
Prep Batch: 103152Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,Je,MI5	1,4,6	0.172	mg/L	0.0094

Method Blank (1)

QC Batch: 121972
Prep Batch: 103196Date Analyzed: 2015-06-02
QC Preparation: 2015-06-03Analyzed 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: 122131
Prep Batch: 103324Date Analyzed: 2015-06-09
QC Preparation: 2015-06-09Analyzed 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

Method Blank (1)QC Batch: 122132
Prep Batch: 103325Date Analyzed: 2015-06-09
QC Preparation: 2015-06-09Analyzed 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: 394329

QC Batch: 121972
 Prep Batch: 103196

Date Analyzed: 2015-06-02
 QC Preparation: 2015-06-03

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2100	2060	mg/L	50	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121914
 Prep Batch: 103152

Date Analyzed: 2015-05-29
 QC Preparation: 2015-05-29

Analyzed By: JR
 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	25.1	mg/L	1	25.0	<0.0984	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		1,4,6	25.1	mg/L	1	25.0	<0.0984	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: 121914
 Prep Batch: 103152

Date Analyzed: 2015-05-29
 QC Preparation: 2015-05-29

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	4.98	mg/L	1	5.00	<0.00940	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
Nitrate-N		1,4,6	4.98	mg/L	1	5.00	<0.00940	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: 121972
 Prep Batch: 103196

Date Analyzed: 2015-06-02
 QC Preparation: 2015-06-03

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	LCSD 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: 122131
Prep Batch: 103324

Date Analyzed: 2015-06-09
QC Preparation: 2015-06-09

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		2,3,7,9	43.4	mg/L	1	50.0	<1.18	87	82.3 - 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		2,3,7,9	46.2	mg/L	1	50.0	<1.18	92	82.3 - 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: 122132
Prep Batch: 103325

Date Analyzed: 2015-06-09
QC Preparation: 2015-06-09

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		2,3,7,9	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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		2,3,7,9	44.8	mg/L	1	50.0	<1.18	90	82.3 - 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: 394325QC Batch: 121914
Prep Batch: 103152Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,6	2180	mg/L	55.6	1390	705	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		1,4,6	2170	mg/L	55.6	1390	705	105	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: 394325QC Batch: 121914
Prep Batch: 103152Date Analyzed: 2015-05-29
QC Preparation: 2015-05-29Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,6	296	mg/L	55.6	278	14.6	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							
Nitrate-N		1,4,6	297	mg/L	55.6	278	14.6	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: 394328QC Batch: 122131
Prep Batch: 103324Date Analyzed: 2015-06-09
QC Preparation: 2015-06-09Analyzed By: CF
Prepared By: CF

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,9	42.7	mg/L	1	50.0	<1.18	85	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,7,9	44.1	mg/L	1	50.0	<1.18	88	76.4 - 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: 394329

QC Batch: 122132
 Prep Batch: 103325

Date Analyzed: 2015-06-09
 QC Preparation: 2015-06-09

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		2,3,7,9	44.8	mg/L	1	50.0	<1.18	90	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,7,9	45.5	mg/L	1	50.0	<1.18	91	76.4 - 120	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: 121914

Date Analyzed: 2015-05-29

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	2015-05-29

Standard (CCV-1)

QC Batch: 121914

Date Analyzed: 2015-05-29

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	2015-05-29

Standard (CCV-2)

QC Batch: 121914

Date Analyzed: 2015-05-29

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	2015-05-29

Standard (CCV-2)

QC Batch: 121914

Date Analyzed: 2015-05-29

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	2015-05-29

Standard (CCV-3)

QC Batch: 121914

Date Analyzed: 2015-05-29

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	25.5	102	90 - 110	2015-05-29

Standard (CCV-3)

QC Batch: 121914

Date Analyzed: 2015-05-29

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	5.01	100	90 - 110	2015-05-29

Standard (CCV-4)

QC Batch: 121914

Date Analyzed: 2015-05-29

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	2015-05-29

Standard (CCV-4)

QC Batch: 121914

Date Analyzed: 2015-05-29

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	5.03	101	90 - 110	2015-05-29

Standard (ICV-1)

QC Batch: 122131

Date Analyzed: 2015-06-09

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	4.34	87	85 - 115	2015-06-09

Standard (CCV-1)

QC Batch: 122131

Date Analyzed: 2015-06-09

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	2015-06-09

Standard (ICV-1)

QC Batch: 122132

Date Analyzed: 2015-06-09

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	4.34	87	85 - 115	2015-06-09

Standard (CCV-1)

QC Batch: 122132

Date Analyzed: 2015-06-09

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	4.48	90	85 - 115	2015-06-09

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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.

15052936

6/01 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

Page 1 of 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 15052936

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

Project #: 467715
 Project Name: Linda Armstrong 575-233-3620
 Project Location (including state): Various Dairies, Dona Ana County, NM
 Sampler Signature: [Signature]
 Volume/Amount: 1 250
 # Containers: 1

LAB #	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
294-324-1	DAD-11	1	250	X			X	X	X	X	X	5-29-15	8:07
↓-2	DAD-11	1	250	X			X	X	X	X	X	8:07	8:07
25-1	DAD-12	1	250	X			X	X	X	X	X	9:27	9:27
↓-2	DAD-12	1	250	X			X	X	X	X	X	10:07	10:07
26-1	DAD-13	1	250	X			X	X	X	X	X	10:07	10:07
↓-2	DAD-13	1	250	X			X	X	X	X	X	8:51	8:51
27-1	DAD-14	1	250	X			X	X	X	X	X	11:01	11:01
↓-2	DAD-14	1	250	X			X	X	X	X	X	7:35	7:35
28-1	DAD-15	1	250	X			X	X	X	X	X	7:35	7:35
↓-2	DAD-15	1	250	X			X	X	X	X	X		
29-1	DAD-16	1	250	X			X	X	X	X	X		
↓-2	DAD-16	1	250	X			X	X	X	X	X		

Relinquished By: [Signature] Date: 5-29-15 Time: 11:17
 Received By: [Signature] Date: 5-29-15 Time: 11:47
 Relinquished By: [Signature] Date: 5/29/15 Time: 1630
 Received at Laboratory By: [Signature] Date: 5/29/15 Time: 10:15

ANALYSIS REQUEST

Method	Result
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 NOR C	X
Chloride EPA 300	X
Total Dissolved Solids SM 2540 C MOD	X

Turn Around Time

Lab Use Only
 Intact / N
 Headspace Y / N
 Temp 11.2 °C / 52.2 °F
 Log-in Review DDH

Remarks: carry to RS 49368254

Dry Weight Basis Required
 TRRP Report Required

24-5144 10-2 5-26-15



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

(Corrected Report)

Linda Armstrong
 Dona Ana Dairies

Report Date: July 14, 2015

P.O. Box 10
 Mesquite, NM, 88048

Work Order: 15052826



Project Location: Various Dairies, Dona Ana County, NM
 Project Name: Dona Ana Dairies Consortium
 Project #: 467715

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
394161	DAD-07	water	2015-05-28	11:00	2015-05-28
394162	DAD-08	water	2015-05-28	11:48	2015-05-28
394163	DAD-17	water	2015-05-28	12:55	2015-05-28
394164	DAD-18	water	2015-05-28	12:11	2015-05-28
394165	DAD-19	water	2015-05-28	11:26	2015-05-28

Report Corrections (Work Order 15052826)

- 7/14/15: Sample name corrected for sample #394162

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.

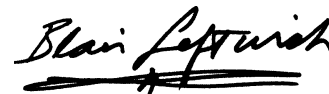
TraceAnalysis, Inc. uses the attached chain of custody (COC) as the laboratory check-in documentation which includes sample receipt, temperature, sample preservation method and condition, collection date and time, testing requested, company, sampler, contacts and any special remarks.

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.

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 stroke.

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 2015-05-28 and assigned to work order 15052826. Samples for work order 15052826 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	103123	2015-05-28 at 19:16	121879	2015-05-28 at 19:16
NO3 (IC)	E 300.0	103123	2015-05-28 at 19:16	121879	2015-05-28 at 19:16
TDS	SM 2540C	103165	2015-06-01 at 13:45	121930	2015-06-01 at 13:45
TKN	SM 4500-NH3 B,C	103301	2015-06-08 at 12:00	122097	2015-06-08 at 14:30
TKN	SM 4500-NH3 B,C	103324	2015-06-09 at 09:45	122131	2015-06-09 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 15052826 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: 394161 - DAD-07

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
 Prep Batch: 103123 Sample Preparation: 2015-05-28 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	619	619	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 394161 - DAD-07

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
 Prep Batch: 103123 Sample Preparation: 2015-05-28 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	5.83	5.83	<0.00940	mg/L	1	0.00940	0.5	0.0094

Sample: 394161 - DAD-07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121930 Date Analyzed: 2015-06-01 Analyzed By: MC
 Prep Batch: 103165 Sample Preparation: 2015-06-01 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	1960	1960	<125	mg/L	50	125	2.5	2.5

Sample: 394161 - DAD-07

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122097 Date Analyzed: 2015-06-08 Analyzed By: CF
 Prep Batch: 103301 Sample Preparation: 2015-06-08 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: 394162 - DAD-08

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
 Prep Batch: 103123 Sample Preparation: 2015-05-28 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	2050	2050	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 394162 - DAD-08

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
 Prep Batch: 103123 Sample Preparation: 2015-05-28 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	63.0	63.0	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 394162 - DAD-08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121930 Date Analyzed: 2015-06-01 Analyzed By: MC
 Prep Batch: 103165 Sample Preparation: 2015-06-01 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	5840	5840	<125	mg/L	50	125	2.5	2.5

Sample: 394162 - DAD-08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122097 Date Analyzed: 2015-06-08 Analyzed By: CF
 Prep Batch: 103301 Sample Preparation: 2015-06-08 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: 394163 - DAD-17

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
 Prep Batch: 103123 Sample Preparation: 2015-05-28 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	199	199	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 394163 - DAD-17

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
 Prep Batch: 103123 Sample Preparation: 2015-05-28 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	0.486	<0.500	<0.00940	mg/L	1	0.00940	0.5	0.0094

Sample: 394163 - DAD-17

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121930 Date Analyzed: 2015-06-01 Analyzed By: MC
 Prep Batch: 103165 Sample Preparation: 2015-06-01 Prepared By: MC

continued . . .

sample 394163 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	1560	1560	<125	mg/L	50	125	2.5	2.5

Sample: 394163 - DAD-17

Laboratory: Lubbock

Analysis: TKN

QC Batch: 122097

Prep Batch: 103301

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-06-08

Sample Preparation: 2015-06-08

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: 394164 - DAD-18

Laboratory: El Paso

Analysis: Chloride (IC)

QC Batch: 121879

Prep Batch: 103123

Analytical Method: E 300.0

Date Analyzed: 2015-05-28

Sample Preparation: 2015-05-28

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	825	825	<1.97	mg/L	20	1.97	2.5	0.0984

Sample: 394164 - DAD-18

Laboratory: El Paso

Analysis: NO3 (IC)

QC Batch: 121879

Prep Batch: 103123

Analytical Method: E 300.0

Date Analyzed: 2015-05-28

Sample Preparation: 2015-05-28

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	9.86	9.86	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 394164 - DAD-18

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121930 Date Analyzed: 2015-06-01 Analyzed By: MC
 Prep Batch: 103165 Sample Preparation: 2015-06-01 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	2940	2940	<125	mg/L	50	125	2.5	2.5

Sample: 394164 - DAD-18

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122131 Date Analyzed: 2015-06-09 Analyzed By: CF
 Prep Batch: 103324 Sample Preparation: 2015-06-09 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	1.40	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 394165 - DAD-19

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
 Prep Batch: 103123 Sample Preparation: 2015-05-28 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	994	994	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 394165 - DAD-19

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121879 Date Analyzed: 2015-05-28 Analyzed By: JR
 Prep Batch: 103123 Sample Preparation: 2015-05-28 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	43.6	43.6	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 394165 - DAD-19

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121930 Date Analyzed: 2015-06-01 Analyzed By: MC
 Prep Batch: 103165 Sample Preparation: 2015-06-01 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	3240	3240	<125	mg/L	50	125	2.5	2.5

Sample: 394165 - DAD-19

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 122131 Date Analyzed: 2015-06-09 Analyzed By: CF
 Prep Batch: 103324 Sample Preparation: 2015-06-09 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

Method Blanks

Method Blank (1)

QC Batch: 121879
Prep Batch: 103123Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121879
Prep Batch: 103123Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.00940	mg/L	0.0094

Method Blank (1)

QC Batch: 121930
Prep Batch: 103165Date Analyzed: 2015-06-01
QC Preparation: 2015-06-01Analyzed 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: 122097
Prep Batch: 103301Date Analyzed: 2015-06-08
QC Preparation: 2015-06-08Analyzed 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: 122131
 Prep Batch: 103324

Date Analyzed: 2015-06-09
 QC Preparation: 2015-06-09

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: 394168

QC Batch: 121930 Date Analyzed: 2015-06-01 Analyzed By: MC
 Prep Batch: 103165 QC Preparation: 2015-06-01 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1420	1380	mg/L	50	3	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121879
Prep Batch: 103123Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed By: JR
Prepared By: JR

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Chloride		1,4,6	25.4	mg/L	1	25.0	<0.0984	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			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Chloride		1,4,6	25.4	mg/L	1	25.0	<0.0984	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: 121879
Prep Batch: 103123Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed By: JR
Prepared By: JR

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Nitrate-N		1,4,6	5.02	mg/L	1	5.00	<0.00940	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			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Nitrate-N		1,4,6	5.02	mg/L	1	5.00	<0.00940	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: 121930
Prep Batch: 103165Date Analyzed: 2015-06-01
QC Preparation: 2015-06-01Analyzed By: MC
Prepared By: MC

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
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 Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	995	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: 122097
Prep Batch: 103301

Date Analyzed: 2015-06-08
QC Preparation: 2015-06-08

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	43.4	mg/L	1	50.0	<1.18	87	82.3 - 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		2,3,7,8	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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: 122131
Prep Batch: 103324

Date Analyzed: 2015-06-09
QC Preparation: 2015-06-09

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	43.4	mg/L	1	50.0	<1.18	87	82.3 - 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		2,3,7,8	46.2	mg/L	1	50.0	<1.18	92	82.3 - 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: 394164QC Batch: 121879
Prep Batch: 103123Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	2310	mg/L	55.6	1390	825	107	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	2320	mg/L	55.6	1390	825	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: 394164QC Batch: 121879
Prep Batch: 103123Date Analyzed: 2015-05-28
QC Preparation: 2015-05-28Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	289	mg/L	55.6	278	9.86	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
Nitrate-N		1,4,6	290	mg/L	55.6	278	9.86	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: 394163QC Batch: 122097
Prep Batch: 103301Date Analyzed: 2015-06-08
QC Preparation: 2015-06-08Analyzed 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	42.7	mg/L	1	50.0	<1.18	85	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,7,8	43.4	mg/L	1	50.0	<1.18	87	76.4 - 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: 394328

QC Batch: 122131
 Prep Batch: 103324

Date Analyzed: 2015-06-09
 QC Preparation: 2015-06-09

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	42.7	mg/L	1	50.0	<1.18	85	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.18	88	76.4 - 120	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: 121879

Date Analyzed: 2015-05-28

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	24.7	99	90 - 110	2015-05-28

Standard (CCV-1)

QC Batch: 121879

Date Analyzed: 2015-05-28

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	4.90	98	90 - 110	2015-05-28

Standard (CCV-2)

QC Batch: 121879

Date Analyzed: 2015-05-28

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	25.0	100	90 - 110	2015-05-28

Standard (CCV-2)

QC Batch: 121879

Date Analyzed: 2015-05-28

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	2015-05-28

Standard (CCV-3)

QC Batch: 121879

Date Analyzed: 2015-05-28

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	25.0	100	90 - 110	2015-05-28

Standard (CCV-3)

QC Batch: 121879

Date Analyzed: 2015-05-28

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	4.96	99	90 - 110	2015-05-28

Standard (ICV-1)

QC Batch: 122097

Date Analyzed: 2015-06-08

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	2015-06-08

Standard (CCV-1)

QC Batch: 122097

Date Analyzed: 2015-06-08

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	2015-06-08

Standard (ICV-1)

QC Batch: 122131

Date Analyzed: 2015-06-09

Analyzed By: CF

Report Date: July 14, 2015

Work Order: 15052826
Dona Ana Dairies Consortium

Page Number: 21 of 24
Various Dairies, Dona Ana County, NM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.34	87	85 - 115	2015-06-09

Standard (CCV-1)

QC Batch: 122131

Date Analyzed: 2015-06-09

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	2015-06-09

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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

TraceAnalysis, Inc.

Company Name: 155 McCutcheon, Ste. H El Paso, TX 79932
 Phone #: 915-859-8150
 Cell #: 915-585-4944
 Fax #: 915-585-4944

D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907
 Contact Person: Victor Ayala
 E-mail: vajjala@dhpump.com

Invoice to (if different from above):
 Dona Ana Dairies, PO Box 10, Mesquite, NM 88048

Project #: 467715
 Project Name: Linda Armstrong 575-233-3620
 Project Location (including state): Dona Ana Dairies Consortium
 Various Dairies, Dona Ana County, NM
 Sampler Signature: *JMS*

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	TIME
39441-1		DAD-07	1	250	X				X	X	X	X			5-20-15	11:00
1-2		DAD-07	1	250	X				X	X	X	X			11:00	11:00
12-1		DAD-08	1	250	X				X	X	X	X			11:48	11:48
1-2		DAD-11	1	250	X				X	X	X	X			12:55	12:55
12-1		DAD-17	1	250	X				X	X	X	X			12:55	12:55
1-2		DAD-17	1	250	X				X	X	X	X			12:55	12:55
14-1		DAD-18	1	250	X				X	X	X	X			12:11	12:11
1-2		DAD-18	1	250	X				X	X	X	X			12:11	12:11
15-1		DAD-19	1	250	X				X	X	X	X			11:26	11:26
1-2		DAD-19	1	250	X				X	X	X	X			11:26	11:26

LAB USE ONLY	PAH 8270	PAH 8270C	TX 1005 Extended (C35)	TPH 418.1 / TX1005	BTEX 8021B/602	MTBE 8021B/602	ANALYSIS REQUEST										Turn Around Time	Hold
							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	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		
	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	X	X	X	X	X	X	X	X		
	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

Relinquished By: *JMS* Date: 5-20-15 Time: 1:30
 Received By: *Dumpy* Date: 5-28-15 Time: 13:20
 Relinquished By: *D704H* Date: 5-28-15 Time: 14:30
 Received By: *BC* Date: 5-29-15 Time: 9:15

Lab Use Only
 Intact Y N
 Headspace Y N
 Temp 12-2
 Log-in Review
 Remarks: 25 49 36853
 183 2.6 - BC
 No report sent 6-8-15
 Full Report printed 6-10-15

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
 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)

Tim Hyde
 Bright Star Dairy
 13520 Stern Dr.
 P.O. Box 167
 Mesquite, NM, 88048

Report Date: July 14, 2015

Work Order: 15051127



Project Location: 13250 Stern Dr, Mesquite, NM
 Project Name: Bright Star Dairy
 Project Number: 467701

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
393036	340-1	Water	2015-05-11	13:50	2015-05-11
393037	340-2	Water	2015-05-11	14:14	2015-05-11
393038	70/86/340-01	Water	2015-05-11	13:28	2015-05-11
393039	86/340-01	Water	2015-05-11	12:00	2015-05-11
393040	340 Lagoon	Water	2015-05-11	14:01	2015-05-11

Report Corrections (Work Order 15051127)

- 7/14/15: Corrected sample name for samples # 393038 & #393039

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 black line.

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 2015-05-11 and assigned to work order 15051127. Samples for work order 15051127 were received intact at a temperature of 1.00 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	102758	2015-05-11 at 20:11	121444	2015-05-11 at 20:11
NO3 (IC)	E 300.0	102758	2015-05-11 at 20:11	121444	2015-05-11 at 20:11
P, Total	S 6010C	103129	2015-05-31 at 12:49	121900	2015-06-01 at 12:06
SO4 (IC)	E 300.0	102758	2015-05-11 at 20:11	121444	2015-05-11 at 20:11
SO4 (IC)	E 300.0	102865	2015-05-14 at 18:32	121569	2015-05-14 at 18:32
Sulfide	SM 4500-S2 D	102847	2015-05-15 at 10:15	121553	2015-05-15 at 10:50
TDS	SM 2540C	102799	2015-05-13 at 16:30	121497	2015-05-13 at 16:30
TKN	SM 4500-NH3 B,C	102791	2015-05-13 at 10:30	121491	2015-05-13 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 15051127 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. 121569 Method Blank-1	Nitrate-N	MI5	Baseline correction
2. 121569 Method Blank-1	Sulfate	MI5	Baseline correction

Analytical Report

Sample: 393036 - 340-1

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
 Prep Batch: 102758 Sample Preparation: 2015-05-11 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	437	437	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 393036 - 340-1

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
 Prep Batch: 102758 Sample Preparation: 2015-05-11 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	41.8	41.8	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393036 - 340-1

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
 Prep Batch: 102758 Sample Preparation: 2015-05-11 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	685	685	<7.88	mg/L	50	7.88	2.5	0.1576

Sample: 393036 - 340-1

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121497 Date Analyzed: 2015-05-13 Analyzed By: MC
 Prep Batch: 102799 Sample Preparation: 2015-05-13 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	3680	3680	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393036 - 340-1

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121491 Date Analyzed: 2015-05-13 Analyzed By: CF
 Prep Batch: 102791 Sample Preparation: 2015-05-13 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393037 - 340-2

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
 Prep Batch: 102758 Sample Preparation: 2015-05-11 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	802	802	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393037 - 340-2

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
 Prep Batch: 102758 Sample Preparation: 2015-05-11 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	83.6	83.6	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393037 - 340-2

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Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
Prep Batch: 102758 Sample Preparation: 2015-05-11 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	383	383	<1.58	mg/L	10	1.58	2.5	0.1576

Sample: 393037 - 340-2

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 121497 Date Analyzed: 2015-05-13 Analyzed By: MC
Prep Batch: 102799 Sample Preparation: 2015-05-13 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	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393037 - 340-2

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 121491 Date Analyzed: 2015-05-13 Analyzed By: CF
Prep Batch: 102791 Sample Preparation: 2015-05-13 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: 393038 - 70/86/340-01

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
Prep Batch: 102758 Sample Preparation: 2015-05-11 Prepared By: JR

continued ...

sample 393038 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	1780	1780	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393038 - 70/86/340-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
 Prep Batch: 102758 Sample Preparation: 2015-05-11 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	8.19	8.19	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393038 - 70/86/340-01

Laboratory: El Paso
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
 Prep Batch: 102758 Sample Preparation: 2015-05-11 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	884	884	<7.88	mg/L	50	7.88	2.5	0.1576

Sample: 393038 - 70/86/340-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121497 Date Analyzed: 2015-05-13 Analyzed By: MC
 Prep Batch: 102799 Sample Preparation: 2015-05-13 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	4780	4780	<2.50	mg/L	1	2.50	2.5	2.5

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Sample: 393038 - 70/86/340-01

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 121491 Date Analyzed: 2015-05-13 Analyzed By: CF
Prep Batch: 102791 Sample Preparation: 2015-05-13 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393039 - 86/340-01

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
Prep Batch: 102758 Sample Preparation: 2015-05-11 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	450	450	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 393039 - 86/340-01

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
Prep Batch: 102758 Sample Preparation: 2015-05-11 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	12.4	12.4	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393039 - 86/340-01

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
Prep Batch: 102758 Sample Preparation: 2015-05-11 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	697	697	<7.88	mg/L	50	7.88	2.5	0.1576

Sample: 393039 - 86/340-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121497 Date Analyzed: 2015-05-13 Analyzed By: MC
 Prep Batch: 102799 Sample Preparation: 2015-05-13 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	2240	2240	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393039 - 86/340-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121491 Date Analyzed: 2015-05-13 Analyzed By: CF
 Prep Batch: 102791 Sample Preparation: 2015-05-13 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: 393040 - 340 Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
 Prep Batch: 102758 Sample Preparation: 2015-05-11 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	1340	1340	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393040 - 340 Lagoon

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Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
Prep Batch: 102758 Sample Preparation: 2015-05-11 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	J	1,4,6	4.49	<5.00	<0.0940	mg/L	10	0.0940	0.5	0.0094

Sample: 393040 - 340 Lagoon

Laboratory: Lubbock
Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
QC Batch: 121900 Date Analyzed: 2015-06-01 Analyzed By: RR
Prep Batch: 103129 Sample Preparation: 2015-06-01 Prepared By: RR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Phosphorous		3,5,7,9	71.1	71.1	<0.0389	mg/L	10	0.0389	0.5	0.00389

Sample: 393040 - 340 Lagoon

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121569 Date Analyzed: 2015-05-14 Analyzed By: JR
Prep Batch: 102865 Sample Preparation: 2015-05-14 Prepared By: JR

Comment: SO4 anlysis needed to determine total Sulfur.

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Sulfate	B,J,Je,M15	1,4,6	7.89	<12.5	<0.788	mg/L	5	0.788	2.5	0.1576

Sample: 393040 - 340 Lagoon

Laboratory: Lubbock
Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
QC Batch: 121553 Date Analyzed: 2015-05-15 Analyzed By: CF
Prep Batch: 102847 Sample Preparation: 2015-05-15 Prepared By: CF

Comment: Sulfide analysis needed to determine total Sulfur.

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfide	Qs	2	2.71	2.71	<0.102	mg/L	10	0.102	0.1	0.0102

Sample: 393040 - 340 Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121497 Date Analyzed: 2015-05-13 Analyzed By: MC
 Prep Batch: 102799 Sample Preparation: 2015-05-13 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	5440	5440	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393040 - 340 Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121491 Date Analyzed: 2015-05-13 Analyzed By: CF
 Prep Batch: 102791 Sample Preparation: 2015-05-13 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		2,3,7,9	354	354	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121444
Prep Batch: 102758

Date Analyzed: 2015-05-11
QC Preparation: 2015-05-11

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121444
Prep Batch: 102758

Date Analyzed: 2015-05-11
QC Preparation: 2015-05-11

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.00940	mg/L	0.0094

Method Blank (1)

QC Batch: 121444
Prep Batch: 102758

Date Analyzed: 2015-05-11
QC Preparation: 2015-05-11

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Sulfate		1,4,6	<0.158	mg/L	0.1576

Method Blank (1)

QC Batch: 121491
Prep Batch: 102791

Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13

Analyzed By: CF
Prepared By: CF

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Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,9	<1.18	mg/L	1.18

Method Blank (1)

QC Batch: 121497 Date Analyzed: 2015-05-13 Analyzed By: MC
Prep Batch: 102799 QC Preparation: 2015-05-13 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: 121553 Date Analyzed: 2015-05-15 Analyzed By: CF
Prep Batch: 102847 QC Preparation: 2015-05-15 Prepared By: CF

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

Method Blank (1)

QC Batch: 121569 Date Analyzed: 2015-05-14 Analyzed By: JR
Prep Batch: 102865 QC Preparation: 2015-05-14 Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Sulfate	B,Je,MI5	1,4,6	0.897	mg/L	0.1576

Method Blank (1)

QC Batch: 121900 Date Analyzed: 2015-06-01 Analyzed By: RR
Prep Batch: 103129 QC Preparation: 2015-05-31 Prepared By: PM

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Parameter	F	C	Result	Units	Reporting Limits
Total Phosphorous		3,5,7,9	<0.00389	mg/L	0.00389

Duplicates

Duplicate (1) Duplicated Sample: 393115

QC Batch: 121497
Prep Batch: 102799

Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	8030	7900	mg/L	1	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121444
Prep Batch: 102758

Date Analyzed: 2015-05-11
QC Preparation: 2015-05-11

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	23.7	mg/L	1	25.0	<0.0984	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. Limit	RPD	RPD Limit
Chloride		1,4,6	23.6	mg/L	1	25.0	<0.0984	94	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: 121444
Prep Batch: 102758

Date Analyzed: 2015-05-11
QC Preparation: 2015-05-11

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	4.66	mg/L	1	5.00	<0.00940	93	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	4.67	mg/L	1	5.00	<0.00940	93	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: 121444
Prep Batch: 102758

Date Analyzed: 2015-05-11
QC Preparation: 2015-05-11

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1,4,6	23.7	mg/L	1	25.0	<0.158	95	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	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate		1,4,6	23.7	mg/L	1	25.0	<0.158	95	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: 121491
Prep Batch: 102791

Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13

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	43.4	mg/L	1	50.0	<1.18	87	82.3 - 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		2,3,7,9	44.8	mg/L	1	50.0	<1.18	90	82.3 - 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: 121497
Prep Batch: 102799

Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13

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	995	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. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	997	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: 121553
Prep Batch: 102847

Date Analyzed: 2015-05-15
QC Preparation: 2015-05-15

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Sulfide		2	0.386	mg/L	1	0.400	<0.0102	96	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							
Sulfide		2	0.388	mg/L	1	0.400	<0.0102	97	85 - 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: 121569
Prep Batch: 102865

Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Sulfate		1,4,6	23.9	mg/L	1	25.0	<0.158	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Sulfate		1,4,6	23.7	mg/L	1	25.0	<0.158	95	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: 121900
Prep Batch: 103129

Date Analyzed: 2015-06-01
QC Preparation: 2015-05-31

Analyzed By: RR
Prepared By: PM

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Phosphorous		3,5,7,9	0.558	mg/L	1	0.500	<0.00389	112	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		3,5,7,9	0.551	mg/L	1	0.500	<0.00389	110	85 - 115	1	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: 393039

QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
Prep Batch: 102758 QC Preparation: 2015-05-11 Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,6	1800	mg/L	55.6	1390	450	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 Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		1,4,6	1800	mg/L	55.6	1390	450	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: 393039

QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
Prep Batch: 102758 QC Preparation: 2015-05-11 Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,6	275	mg/L	55.6	278	12.4	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,6	273	mg/L	55.6	278	12.4	94	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: 393039

QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR
Prep Batch: 102758 QC Preparation: 2015-05-11 Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Sulfate		1,4,6	2100	mg/L	55.6	1390	697	101	80 - 120

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

Report Date: July 14, 2015
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Bright Star Dairy

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Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate		1,4,6	2090	mg/L	55.6	1390	697	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: 393113

QC Batch: 121491
Prep Batch: 102791

Date Analyzed: 2015-05-13
QC Preparation: 2015-05-13

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	45.5	mg/L	1	50.0	<1.18	91	76.4 - 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
Total Kjeldahl Nitrogen - N		2,3,7,9	44.8	mg/L	1	50.0	<1.18	90	76.4 - 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: 393040

QC Batch: 121553
Prep Batch: 102847

Date Analyzed: 2015-05-15
QC Preparation: 2015-05-15

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfide		Qs 2	4.36	mg/L	1	4.00	2.71	41	49.4 - 134

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		Qs 2	4.21	mg/L	1	4.00	2.71	38	49.4 - 134	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: 393304

QC Batch: 121569
Prep Batch: 102865

Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14

Analyzed By: JR
Prepared By: JR

Report Date: July 14, 2015
467701

Work Order: 15051127
Bright Star Dairy

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Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		1,4,6	1890	mg/L	55.6	1390	470	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. Limit	RPD	RPD Limit	
Sulfate		1,4,6	1850	mg/L	55.6	1390	470	99	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: 392794

QC Batch: 121900
Prep Batch: 103129

Date Analyzed: 2015-06-01
QC Preparation: 2015-05-31

Analyzed By: RR
Prepared By: PM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		3,5,7,9	1.49	mg/L	1	0.500	0.969	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. Limit	RPD	RPD Limit	
Total Phosphorous		3,5,7,9	1.45	mg/L	1	0.500	0.969	96	75 - 125	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: 121444

Date Analyzed: 2015-05-11

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	23.5	94	90 - 110	2015-05-11

Standard (CCV-1)

QC Batch: 121444

Date Analyzed: 2015-05-11

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	4.75	95	90 - 110	2015-05-11

Standard (CCV-1)

QC Batch: 121444

Date Analyzed: 2015-05-11

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	23.7	95	90 - 110	2015-05-11

Standard (CCV-2)

QC Batch: 121444

Date Analyzed: 2015-05-11

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	23.9	96	90 - 110	2015-05-11

Standard (CCV-2)

QC Batch: 121444 Date Analyzed: 2015-05-11 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	4.79	96	90 - 110	2015-05-11

Standard (CCV-2)

QC Batch: 121444 Date Analyzed: 2015-05-11 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	24.0	96	90 - 110	2015-05-11

Standard (CCV-3)

QC Batch: 121444 Date Analyzed: 2015-05-11 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	24.0	96	90 - 110	2015-05-11

Standard (CCV-3)

QC Batch: 121444 Date Analyzed: 2015-05-11 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	4.83	97	90 - 110	2015-05-11

Standard (CCV-3)

QC Batch: 121444 Date Analyzed: 2015-05-11 Analyzed By: JR

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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	24.1	96	90 - 110	2015-05-11

Standard (ICV-1)

QC Batch: 121491

Date Analyzed: 2015-05-13

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	4.48	90	85 - 115	2015-05-13

Standard (CCV-1)

QC Batch: 121491

Date Analyzed: 2015-05-13

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	4.90	98	85 - 115	2015-05-13

Standard (ICV-1)

QC Batch: 121553

Date Analyzed: 2015-05-15

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	0.388	97	85 - 115	2015-05-15

Standard (CCV-1)

QC Batch: 121553

Date Analyzed: 2015-05-15

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	0.398	100	85 - 115	2015-05-15

Standard (CCV-2)

QC Batch: 121569

Date Analyzed: 2015-05-14

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	2015-05-14

Standard (CCV-3)

QC Batch: 121569

Date Analyzed: 2015-05-14

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	2015-05-14

Standard (ICV-1)

QC Batch: 121900

Date Analyzed: 2015-06-01

Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		3,5,7,9	mg/L	5.00	5.23	105	90 - 110	2015-06-01

Standard (CCV-1)

QC Batch: 121900

Date Analyzed: 2015-06-01

Analyzed By: RR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		3,5,7,9	mg/L	5.00	5.26	105	90 - 110	2015-06-01

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	Pass
P, Total	S 6010C	water	PE 8300	Total Phosphorous	0.100	Pass
SO4 (IC)	E 300.0	water	Dionex IC	Sulfate	0.417	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	3.00	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.

TraceAnalysis, Inc.

155 McCutcheon, Ste. 9
 Lubbock, TX 79424
 Paso, TX 79932
 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, Texas 79907
 Contact Person: **Victor Ayala**
 Invoice to (if different from above):
 Bright Star Dairy, P.O. Box 167, Mesquite, NM 88048
 Project #: **467701**

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

Project Name: **Bright Star Dairy**
 Sampler Signature: *[Signature]*
 Project Location (including state):
 Bright Star Dairy, 13520 Stern Drive, 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
037	340-1	1	260	X			X		X			5-11-15	13:50
038	340-1	1		X			X		X			13:50	13:50
039	340-2	1		X			X		X			14:14	14:14
040	340-2	1		X			X		X			13:28	13:28
041	70/86/340-01	1		X			X		X			12:00	12:00
042	70/86/340-01	1		X			X		X			12:00	12:00
043	86/340-01	1		X			X		X			14:01	14:01
044	86/340-01	1		X			X		X			14:01	14:01
045	340 Lagoon	1		X			X		X			14:01	14:01
046	340 Lagoon	1		X			X		X			14:01	14:01
047	340 Lagoon	1		X			X		X			14:01	14:01

LAB USE ONLY	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		ANALYSIS REQUEST																			
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NAOH	ICE	NONE	DATE	TIME	TPH 418.1 / TX1005	BTEX 8021B/602	TX 1005 Extended (C35)	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	Other - Phosphorus (EPA 6010B)	Sulfate EPA Method 300.0	Turn Around Time	Hold					
X	340-1	1	260	X			X		X			5-11-15	13:50							X	X	X	X	X	X	X						
X	340-1	1		X			X		X				13:50							X	X	X	X	X	X	X	X					
X	340-2	1		X			X		X			14:14	14:14							X	X	X	X	X	X	X	X					
X	340-2	1		X			X		X			13:28	13:28							X	X	X	X	X	X	X	X					
X	70/86/340-01	1		X			X		X			12:00	12:00							X	X	X	X	X	X	X	X					
X	70/86/340-01	1		X			X		X			12:00	12:00							X	X	X	X	X	X	X	X					
X	86/340-01	1		X			X		X			14:01	14:01							X	X	X	X	X	X	X	X					
X	86/340-01	1		X			X		X			14:01	14:01							X	X	X	X	X	X	X	X					
X	340 Lagoon	1		X			X		X			14:01	14:01							X	X	X	X	X	X	X	X					
X	340 Lagoon	1		X			X		X			14:01	14:01							X	X	X	X	X	X	X	X					
X	340 Lagoon	1		X			X		X			14:01	14:01							X	X	X	X	X	X	X	X					

Relinquished By: **Jub** Date: **5-11-15** Time: **14:20** Received By: **WVC TRAP** Date: **5-11-15** Time: **14:20**
 Relinquished By: **WVC TRAP** Date: **5-11-15** Time: **16:30** Received By: **WVC TRAP** Date: **5/11/15** Time: **9:10**
 Laboratory By: **WVC TRAP** Date: **5-11-15** Time: **14:20**
 Laboratory By: **WVC TRAP** Date: **5/11/15** Time: **9:10**
 Remarks: **on file 49368235 corey in**
 340-Lagoon Added 1 ml Zn Acetate and 2ml NaOH
 Full Report m.n. 6.15-15 KH
 Dry Weight Basis Required
 PRRP Report Required 2.7/2.9 4/26



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

(Corrected Report)

Joe Gonzalez
 Gonzalez Farmes
 14310 Stern Drive
 P.O. Box 199
 Mesquite, NM, 88048

Report Date: July 14, 2015

Work Order: 15051435



Project Location: 14310 Stern Dr., Mesquite, NM
 Project Name: Gonzalez Dairy Inc.
 Project Number: 467708

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
393304	177-03A	Water	2015-05-14	10:59	2015-05-14
393305	177-04	Water	2015-05-14	11:30	2015-05-14
393306	177-07R	Water	2015-05-14	12:39	2015-05-14

Report Corrections (Work Order 15051435)

- 7/14/15: Corrected sample name for sample #393306

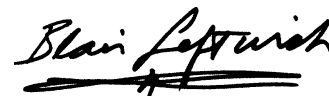
These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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.

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 Gonzalez Dairy Inc. were received by TraceAnalysis, Inc. on 2015-05-14 and assigned to work order 15051435. Samples for work order 15051435 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	102865	2015-05-14 at 18:32	121569	2015-05-14 at 18:32
NO3 (IC)	E 300.0	102865	2015-05-14 at 18:32	121569	2015-05-14 at 18:32
TDS	SM 2540C	102927	2015-05-19 at 13:30	121643	2015-05-19 at 13:30
TKN	SM 4500-NH3 B,C	102971	2015-05-21 at 09:40	121696	2015-05-21 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 15051435 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.

The temperature of the Cold Box for storing samples was between 6 and 24.5 degrees C for about 30 hours on May 17-18, 2015. We do not feel this will affect your TKN results. All other analyses were prepped before this incidence.

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. 121569 Method Blank-1	Nitrate-N	MI5	Baseline correction
2. 121569 Method Blank-1	Sulfate	MI5	Baseline correction

Analytical Report

Sample: 393304 - 177-03A

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121569 Date Analyzed: 2015-05-14 Analyzed By: JR
 Prep Batch: 102865 Sample Preparation: 2015-05-14 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	871	871	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393304 - 177-03A

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121569 Date Analyzed: 2015-05-14 Analyzed By: JR
 Prep Batch: 102865 Sample Preparation: 2015-05-14 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		B,Je,MI5 1,4,6	9.94	9.94	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393304 - 177-03A

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121643 Date Analyzed: 2015-05-19 Analyzed By: MC
 Prep Batch: 102927 Sample Preparation: 2015-05-19 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	2900	2900	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393304 - 177-03A

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 121696 Date Analyzed: 2015-05-21 Analyzed By: CF
 Prep Batch: 102971 Sample Preparation: 2015-05-21 Prepared By: CF

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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: 393305 - 177-04

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121569 Date Analyzed: 2015-05-14 Analyzed By: JR
 Prep Batch: 102865 Sample Preparation: 2015-05-14 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	1330	1330	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393305 - 177-04

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 121569 Date Analyzed: 2015-05-14 Analyzed By: JR
 Prep Batch: 102865 Sample Preparation: 2015-05-14 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,Je,MI5	1,4,6	19.4	19.4	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393305 - 177-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 121643 Date Analyzed: 2015-05-19 Analyzed By: MC
 Prep Batch: 102927 Sample Preparation: 2015-05-19 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	3910	3910	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393305 - 177-04

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Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 121696 Date Analyzed: 2015-05-21 Analyzed By: CF
Prep Batch: 102971 Sample Preparation: 2015-05-21 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Sample: 393306 - 177-07R

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121569 Date Analyzed: 2015-05-14 Analyzed By: JR
Prep Batch: 102865 Sample Preparation: 2015-05-14 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	1130	1130	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 393306 - 177-07R

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 121569 Date Analyzed: 2015-05-14 Analyzed By: JR
Prep Batch: 102865 Sample Preparation: 2015-05-14 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	B,Je,MI5	1,4,6	45.1	45.1	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 393306 - 177-07R

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 121643 Date Analyzed: 2015-05-19 Analyzed By: MC
Prep Batch: 102927 Sample Preparation: 2015-05-19 Prepared By: MC

continued . . .

sample 393306 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	3580	3580	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 393306 - 177-07R

Laboratory: Lubbock
Analysis: TKN
QC Batch: 121696
Prep Batch: 102971

Analytical Method: SM 4500-NH3 B,C
Date Analyzed: 2015-05-21
Sample Preparation: 2015-05-21

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	2,3,7,9	<1.18	<10.0	<1.18	mg/L	1	1.18	10	1.18

Method Blanks

Method Blank (1)

QC Batch: 121569
Prep Batch: 102865

Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.0984	mg/L	0.0984

Method Blank (1)

QC Batch: 121569
Prep Batch: 102865

Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,Je,MI5	1,4,6	0.168	mg/L	0.0094

Method Blank (1)

QC Batch: 121643
Prep Batch: 102927

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-19

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: 121696
Prep Batch: 102971

Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21

Analyzed By: CF
Prepared By: CF

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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: 393222

QC Batch: 121643
Prep Batch: 102927

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-19

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	4100	4160	mg/L	1	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 121569
Prep Batch: 102865

Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	23.8	mg/L	1	25.0	<0.0984	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. Limit	RPD	RPD Limit
Chloride		1,4,6	23.7	mg/L	1	25.0	<0.0984	95	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: 121569
Prep Batch: 102865

Date Analyzed: 2015-05-14
QC Preparation: 2015-05-14

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	4.73	mg/L	1	5.00	<0.00940	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. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	4.71	mg/L	1	5.00	<0.00940	94	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: 121643
Prep Batch: 102927

Date Analyzed: 2015-05-19
QC Preparation: 2015-05-19

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	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.

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Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	937	mg/L	1	1000	<2.50	94	90 - 110	6	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: 121696
Prep Batch: 102971

Date Analyzed: 2015-05-21
QC Preparation: 2015-05-21

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	44.1	mg/L	1	50.0	<1.18	88	82.3 - 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	44.8	mg/L	1	50.0	<1.18	90	82.3 - 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: 393304

QC Batch: 121569 Date Analyzed: 2015-05-14 Analyzed By: JR
Prep Batch: 102865 QC Preparation: 2015-05-14 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	2400	mg/L	55.6	1390	871	110	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	2360	mg/L	55.6	1390	871	107	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: 393304

QC Batch: 121569 Date Analyzed: 2015-05-14 Analyzed By: JR
Prep Batch: 102865 QC Preparation: 2015-05-14 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	285	mg/L	55.6	278	9.94	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	277	mg/L	55.6	278	9.94	96	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: 393335

QC Batch: 121696 Date Analyzed: 2015-05-21 Analyzed By: CF
Prep Batch: 102971 QC Preparation: 2015-05-21 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	72.8	mg/L	1	50.0	33.6	78	76.4 - 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 Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	74.2	mg/L	1	50.0	33.6	81	76.4 - 120	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: 121569

Date Analyzed: 2015-05-14

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	23.9	96	90 - 110	2015-05-14

Standard (CCV-1)

QC Batch: 121569

Date Analyzed: 2015-05-14

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	4.77	95	90 - 110	2015-05-14

Standard (CCV-2)

QC Batch: 121569

Date Analyzed: 2015-05-14

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	2015-05-14

Standard (CCV-2)

QC Batch: 121569

Date Analyzed: 2015-05-14

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	2015-05-14

Standard (CCV-3)

QC Batch: 121569

Date Analyzed: 2015-05-14

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	2015-05-14

Standard (CCV-3)

QC Batch: 121569

Date Analyzed: 2015-05-14

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	2015-05-14

Standard (ICV-1)

QC Batch: 121696

Date Analyzed: 2015-05-21

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	4.34	87	85 - 115	2015-05-21

Standard (CCV-1)

QC Batch: 121696

Date Analyzed: 2015-05-21

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	4.48	90	85 - 115	2015-05-21

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.250	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	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	3.00	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.

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: 1505H35 Phone #: 915-859-8150
 D&H Petroleum & Environmental Services Cell #: _____
 Address: (Street, City, Zip) 1221 Tower Trail Ln, El Paso TX 79907 Fax #: _____
 Contact Person: Victor Ayala E-mail: vajala@dhpump.com
 Invoice to (if different from above): _____
 Gonzalez Dairy, PO Box 199, Mesquite, NM 88048 Project Name: Joe Gonzalez 575-233-4801
 Project #: 467708 Sampler Signature: [Signature]
 Project Location (including state): _____
 Gonzalez Dairy, 14310 Stern Dr., Mesquite, NM

LAB Order ID # 15057435

ANALYSIS REQUEST	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	

LAB #	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
393304	177-03A	1	250	X			X	X	X	X		5-14-15	10:59
305	177-03A	1	250	X			X	X	X	X			10:59
306	177-04	1	250	X			X	X	X	X			11:30
	177-04	1	250	X			X	X	X	X			11:30
	177-07-R	1	250	X			X	X	X	X			12:39
	177-07-R	1	250	X			X	X	X	X			12:39

Relinquished By: [Signature] Date: 5-14-15 Time: 13:40
 Received By: WCC Date: 5-14-15 Time: 13:40
 Relinquished By: WCC Date: 5-14-15 Time: 16:30
 Received By: BC, TA Date: 5/15/15 Time: 9am

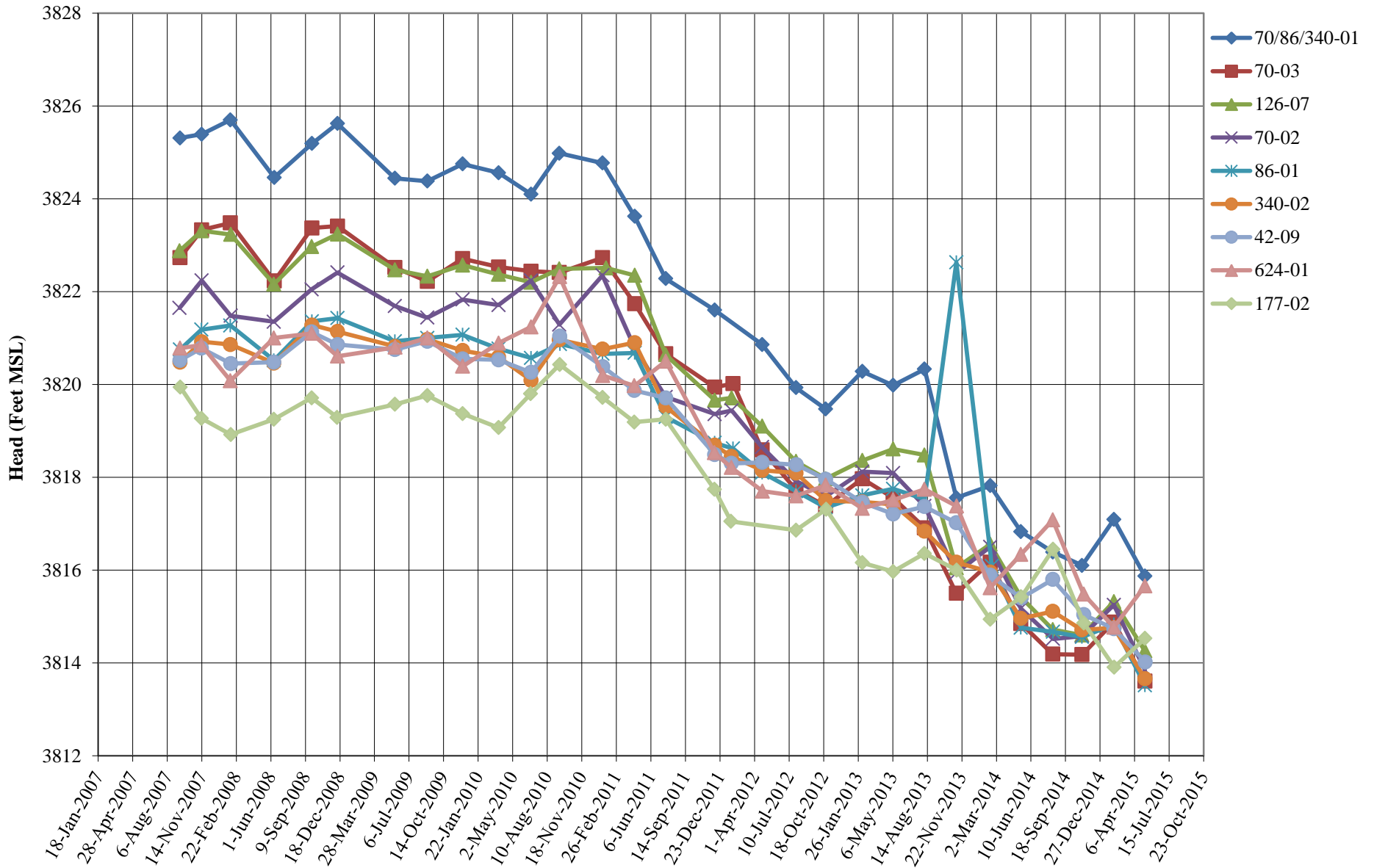
Lab Use Only
 Intact Y DN N
 Headspace Y / N
 Temperature 23
 Log-in Review DPH

Remarks:
AS 49368240
5/12/15
Carroll Jm
183
203
Report sent 5-21-15 RJK
Full Report M.A. 5-22-15 RJK

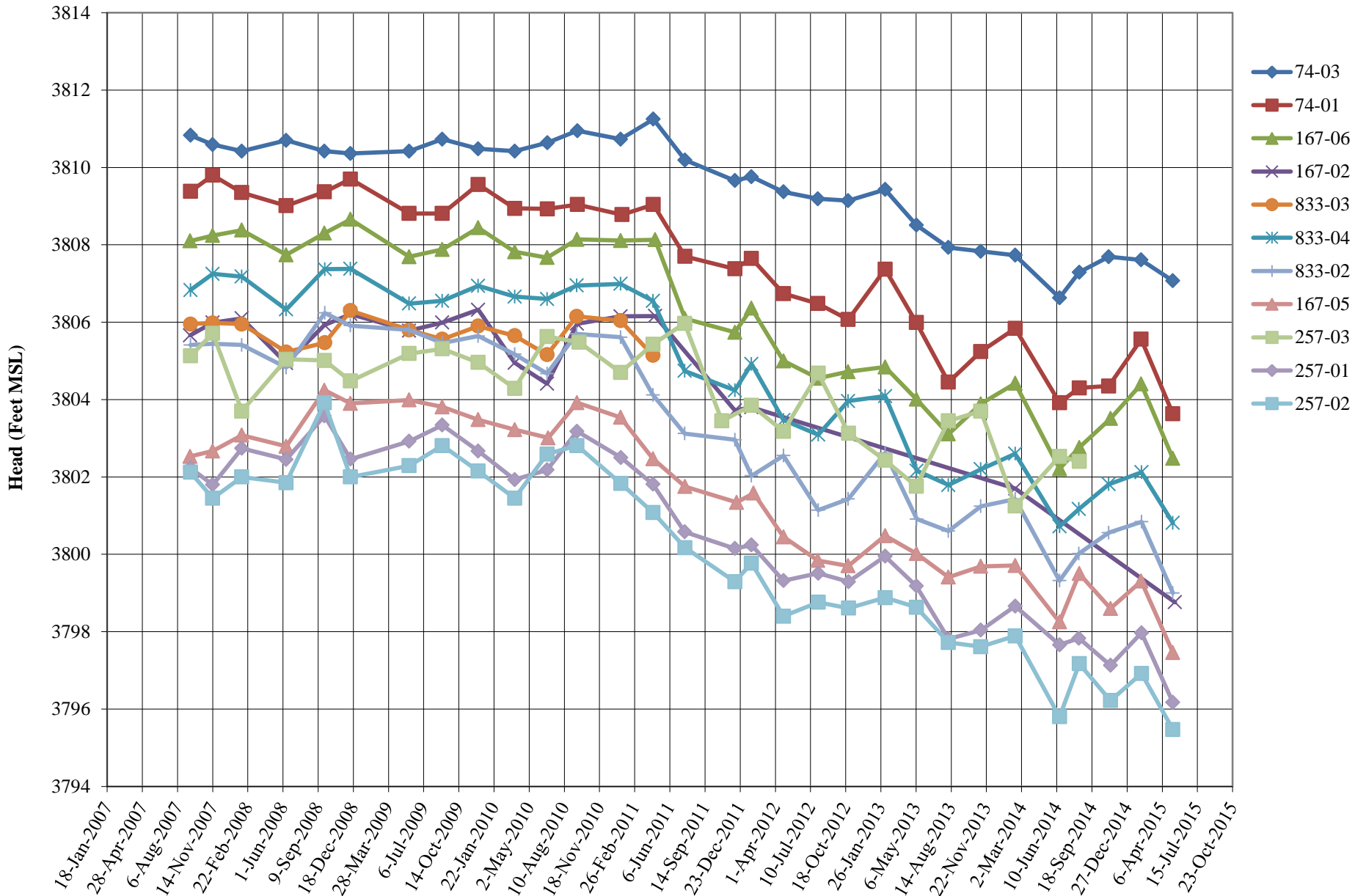
Dry Weight Basis Required
 TRRP Report Required

**APPENDIX C
HYDROGRAPHS**

**HYDROGRAPHS FOR DP MONITORING WELLS NORTHERN PORTION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

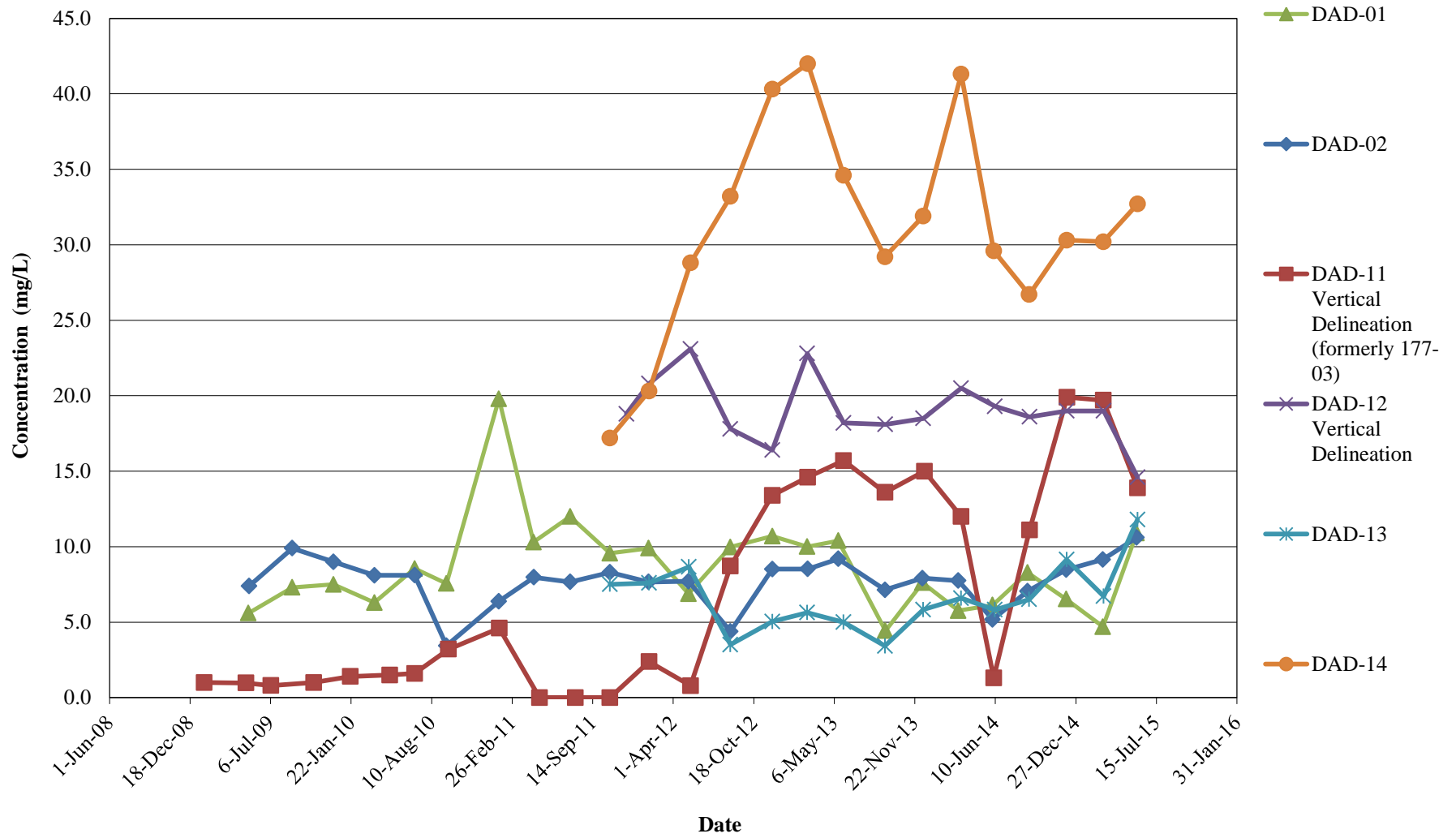


HYDROGRAPHS FOR DP MONITORING WELLS CENTRAL PORTION DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

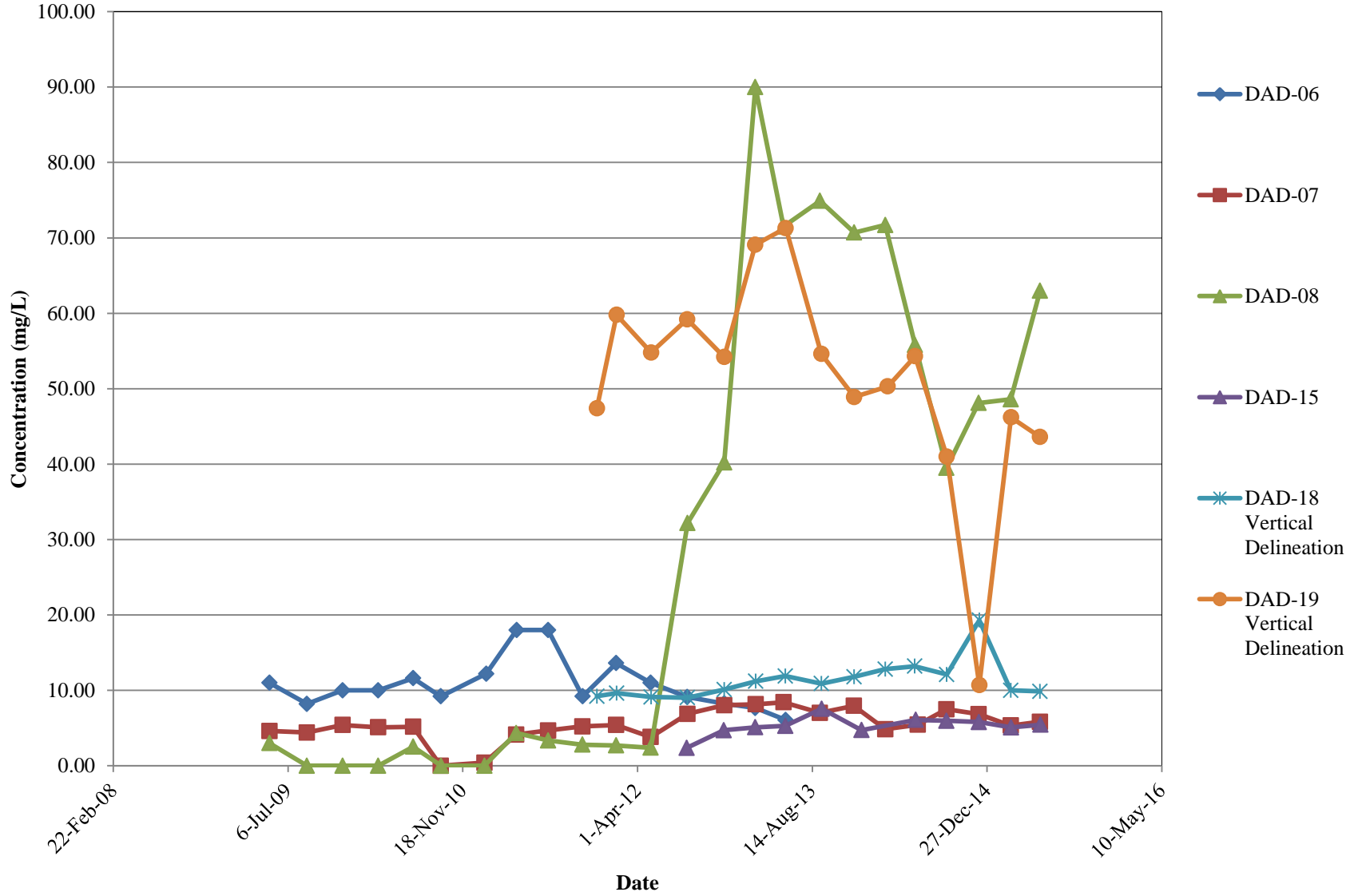


**APPENDIX D
CONCENTRATION TRENDS**

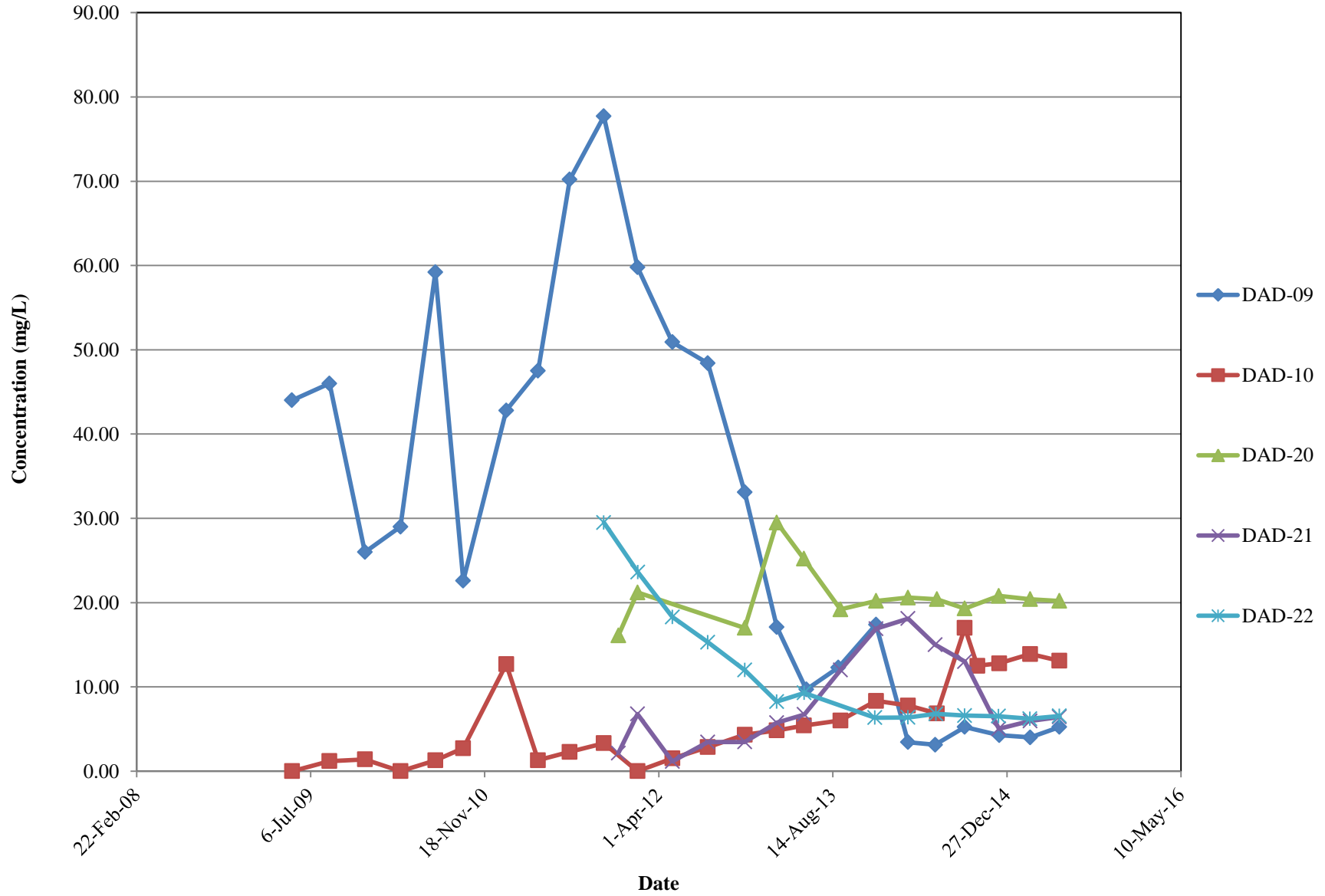
**NITRATE CONCENTRATION TRENDS
IN SELECT NORTHERN DAD MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



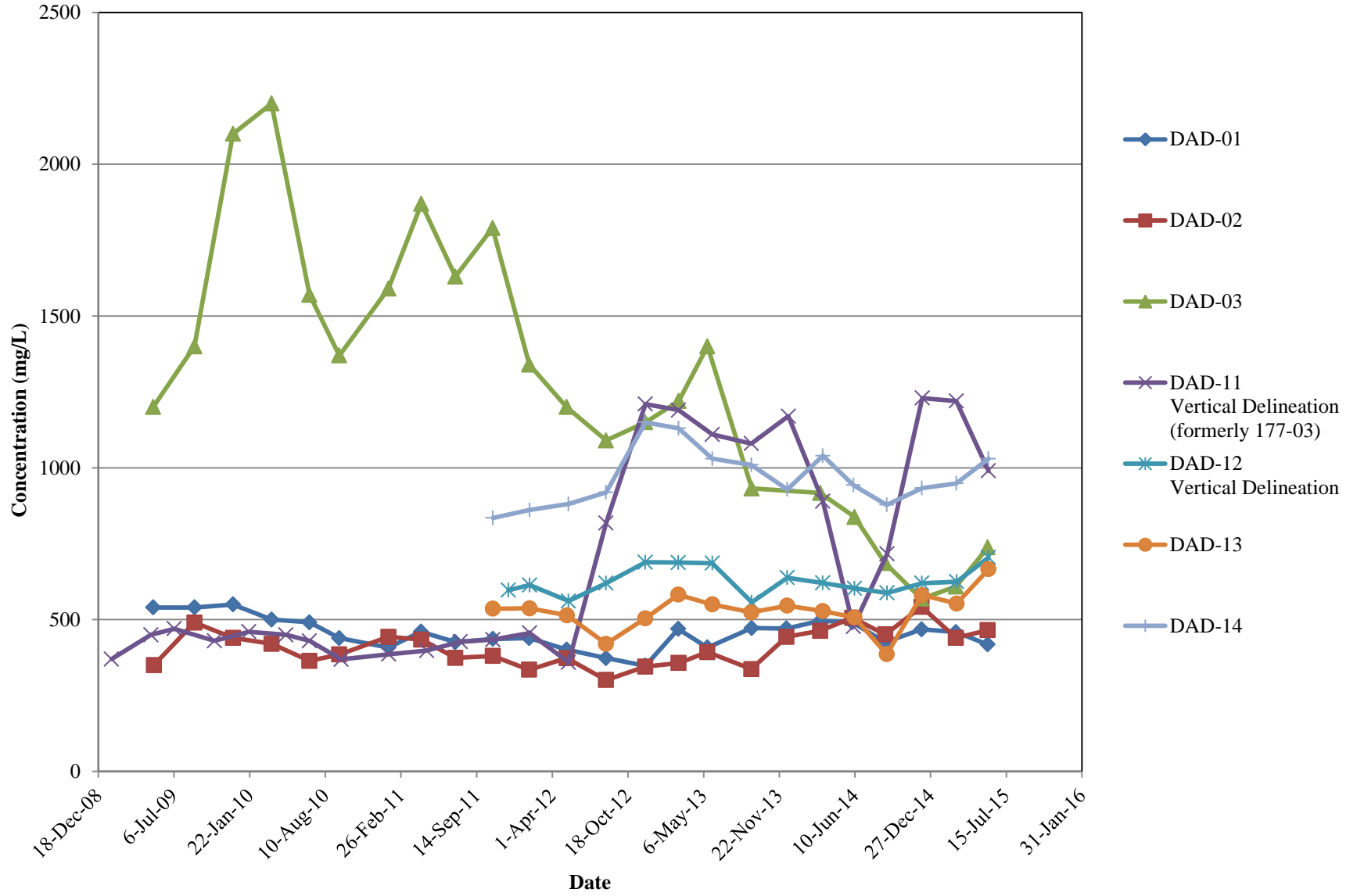
**NITRATE CONCENTRATION TRENDS
IN SELECT CENTRAL DAD WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



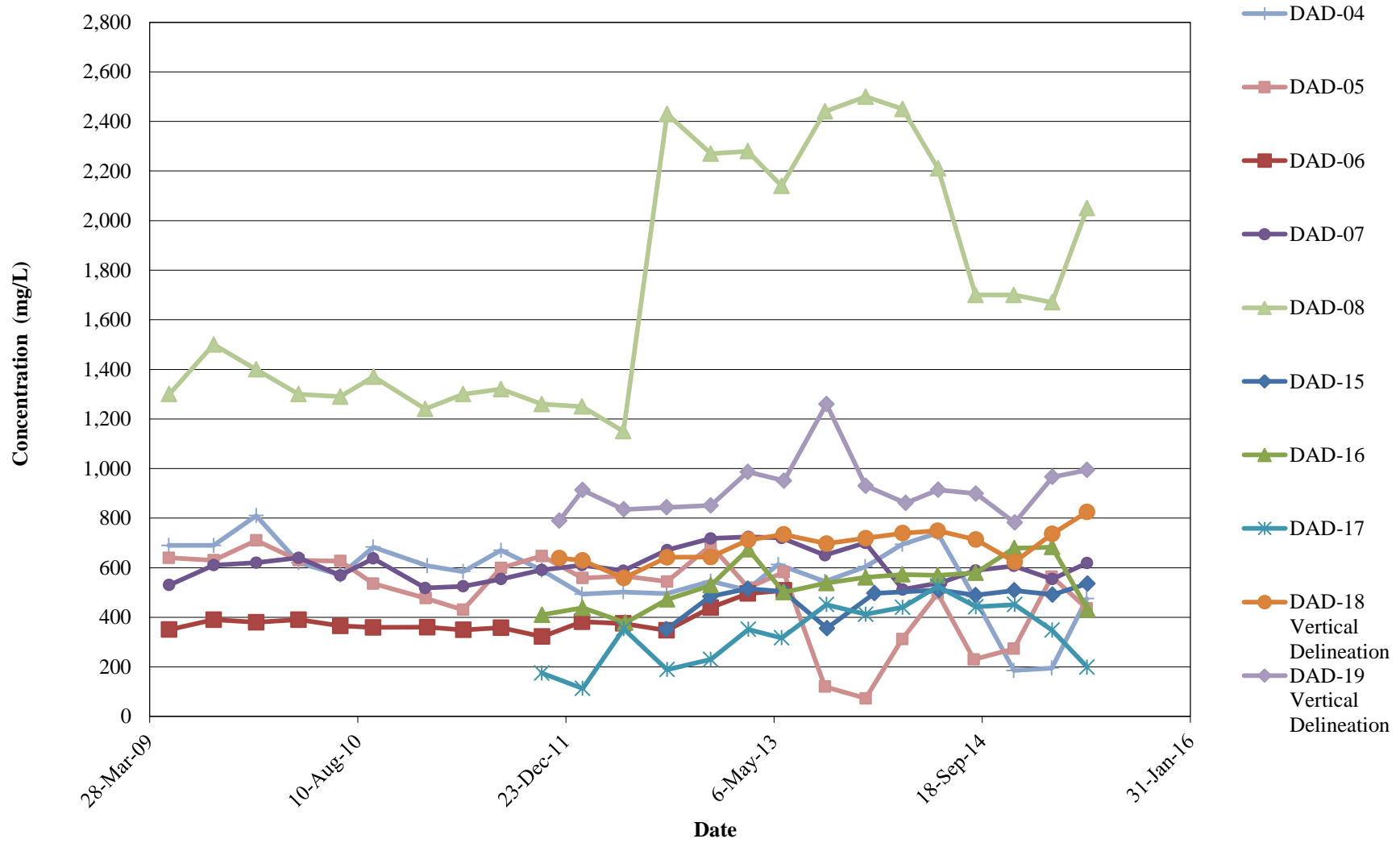
**NITRATE CONCENTRATION TRENDS
IN SELECT SOUTHERN DAD WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**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**

