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June 4, 2015

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

Mr. Bart Faris
New Mexico Environment Department
Ground Water Quality Bureau
Remediation Oversight Section
5500 San Antonio Dr. NE
Albuquerque, New Mexico 87109

Dear Messrs. Montes and Faris:

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 that reads 'Teri McMillan'.

Teri McMillan
Project Manager

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

Jay Snyder
Senior Hydrogeologist

Enclosure

Cc: Linda Armstrong, Doña Ana Dairies
File



QUARTERLY GROUNDWATER
MONITORING REPORT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

Prepared for:

Doña Ana Dairies
Mesquite, New Mexico

Prepared by:

EA Engineering, Science,
and Technology, Inc., PBC
320 Gold Avenue SW, Suite 1210
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June 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
Mesquite, New Mexico

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EA Engineering, Science,
and Technology, Inc., PBC
320 Gold Avenue SW, Suite 1210
Albuquerque, New Mexico

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

Teri McMillan
Project Manager

6/4/2015

Date

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

Jay Snyder
Senior Hydrogeologist

6/4/2015

Date

June 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 February 5 and 6, 2015, representatives from D&H Petroleum and Environmental Services, Inc. (D&H) gauged all discharge plan (DP) and abatement plan (AP) monitoring wells.
- On February 9 through March 6, 2015, D&H representatives collected groundwater samples from 21 of the 22 AP wells, each of the Dairies' DP monitoring wells that contained sufficient water to sample, and DP specified lagoons. AP well DAD-06 did not contain enough water to sample. The sampling campaign lasted about four 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 February 5 and 6, 2014, representatives from D&H gauged the DP and AP monitoring wells with an electronic water level indicator. Due to a declining water table, several wells were dry. 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 March 3 through 6, 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 prior to sampling, unless the well contained insufficient water.

D&H sampled the DP wells from February 9 through March 3, 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 12.87 feet below top of casing (ft TOC) in abatement well DAD-03 to 131.76 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 slightly increased in the northern, central, and southern areas when compared to the monitoring event conducted in November 2014 (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 portion of the regional aquifer is to the southeast, the groundwater flow in the central and southern portions 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 9 of the 21 AP monitoring wells sampled. The AP wells that had nitrate concentrations above standards are DAD-05, DAD-08, DAD-10, DAD-11, DAD-12 (vertical delineation well), DAD-14, DAD-18 (vertical delineation well), 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-04 which had a chloride concentration of 195 mg/L which is below the NMWQCC standard of 250 mg/L.

Nitrate concentrations decreased in wells DAD-01, DAD-04, DAD-07, DAD-09, DAD-11, DAD-13, DAD-14, DAD-15, DAD-16, DAD-17, DAD-18, DAD-20, and DAD-22, while nitrate concentrations increased in wells DAD-02, DAD-05, DAD-08, DAD-10, DAD-19, and DAD-21. The nitrate concentration in Well DAD-12 remains unchanged from last quarter. Well DAD-18 saw the largest decrease in nitrate concentrations decreasing from 19.3 mg/L in December 2014 to 10.0 mg/L for this monitoring event. Well DAD-19 increased from 10.7 mg/L in December 2014 to 46.2 mg/L. Nitrate concentrations in the AP wells ranged from below detection limits at <0.047 mg/L in well DAD-03 to 48.6 mg/L in well DAD-08 for this event.

Chloride concentrations and TDS in all wells remained relatively constant compared to levels measured in the past. Chloride concentrations in the AP wells range from 195 mg/L in well DAD-04 to 1,670 mg/L in well DAD-08 for this event, and TDS ranged from 1,280 mg/L in well DAD-04 to 5,740 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 downgradient extent of the nitrate plume within the northern portion is defined by well DAD-13 with a nitrate concentration of 6.72 mg/L. The upgradient well (Northern Land Application well (70/86/340-01) had a nitrate concentration of 8.79 mg/L, which is below the NMWQCC standard for nitrate (10 mg/L). All eastern cross-gradient wells (Dominguez #2 wells 42-10, 42-11, 42-12, and AP well DAD-01) have nitrate concentrations below 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 8.21 mg/L in December 2014 to 7.61 mg/L, below NMWQCC standards, for this event.

The chloride and TDS concentrations are above standards in all wells sampled within the northern portion with the exception of well Former D&J Dairy (Dominguez 2) well 42-08, with a chloride concentration below standards at 85.7 mg/L. The highest concentration of chloride was observed at Northern Land Application area well 70/86/340-01 with a concentration of 1,620 mg/L. The highest concentration of TDS was observed in the Northern Land Application area well 70-03 at 6,140 mg/L.

Central Portion

The highest nitrate concentrations were observed in Big Sky Dairy wells 833-07 and 833-09 at concentrations of 86.8 mg/L and 136 mg/L, respectively. 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 DAD-07 and DAD-15, and the western extent is defined by 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 833-04 and higher concentrations in samples collected from DAD-19, 74-01, and 833-06.

Chloride and TDS concentrations are above standards in all wells within the central portion with the exception of chloride in DAD-04. The highest chloride and TDS concentrations were observed at well DAD-08 at 1,670 mg/L and 5,740 mg/L, respectively. Well DAD-08 is located east of Sunset Dairy, adjacent to a new irrigation well.

Southern Portion

Nitrate is present within both the regional and perched aquifers in the southern portion of the Dairies. All of the wells in the regional aquifer are below the NMWQCC standard of 10 mg/L, with the exception of DAD-10 which had a concentration of 13.9 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 at 20.4 mg/L. AP wells DAD-09, DAD-21, and DAD-22 remained below standards for this event at 4.01 mg/L, 5.95 mg/L, and 6.22 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 142 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 428 mg/L in Del Oro Dairy well 692-09 to 963 mg/L in well 692-02, while TDS ranged from 1,300 mg/L in Del Oro Dairy well 692-09 to 3,640 mg/L in Del Oro Dairy well 692-02. As discussed previously, upgradient Del Oro well 692-09 had a chloride concentration of 428 mg/L and a TDS concentration of 1,300 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 12.87 to 131.76 feet below the top of casing.
- On average, water levels have increased slightly since November 2014.
- 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 12 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 Former D&J Dairy (Dominguez 2) well 42-08 with a concentration of 85.7 mg/L and AP well DAD-04 with a concentration of 195 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, in the Stage 2 Abatement Plan, the number of abatement and discharge plan wells be reduced for quarterly sampling.

5.0 REFERENCES

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

TABLES

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

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
NORTHERN AREA						
Northern Land Application Area						
70-03	5-Feb-2015	424580.78	1510233.88	3871.43	56.55	3814.88
	5-Nov-2014				57.25	3814.18
	12-Aug-2014				57.24	3814.19
	12-May-2014				56.58	3814.85
	12-Feb-2014				55.26	3816.17
	6-Nov-2013				55.93	3815.50
	6-Aug-2013				54.52	3816.91
	7-May-2013				53.87	3817.56
	7-Feb-2013				53.46	3817.97
	24-Oct-2012				54.05	3817.38
	30-Jul-2012				53.70	3817.73
	23-Apr-2012				52.84	3818.59
	30-Jan-2012				51.41	3820.02
	8-Dec-2011				51.49	3819.94
	19-Jul-2011				50.77	3820.66
	20-Apr-2011				49.69	3821.74
	17-Jan-2011				48.70	3822.73
	14-Sep-2010				49.02	3822.41
	24-Jun-2010				48.99	3822.44
	22-Mar-2010				48.90	3822.53
8-Dec-2009	48.72	3822.71				
28-Aug-2009	49.21	3822.22				
26-May-2009	48.91	3822.52				
11-Dec-2008	48.02	3823.41				
28-Sep-2008	48.06	3823.37				
11-Jun-2008	49.20	3822.23				
5-Feb-2008	47.95	3823.48				
14-Nov-2007	48.10	3823.33				
12-Sep-2007	48.70	3822.73				
70/86/340-01	5-Feb-2015	427320.92	1508461.05	3866.77	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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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
86/340-01	5-Feb-2015	432021.33	1503216.90	3876.14	56.32	3819.82
	5-Nov-2014				57.31	3818.83
	12-Aug-2014				57.28	3818.86
	12-May-2014				57.04	3819.10
	12-Feb-2014				55.10	3821.04
	6-Nov-2013				55.78	3820.36
	6-Aug-2013				53.29	3822.85
	7-May-2013				52.65	3823.49
	7-Feb-2013				52.31	3823.83
	24-Oct-2012				53.16	3822.98
	30-Jul-2012				52.70	3823.44
	23-Apr-2012				52.20	3823.94
	30-Jan-2012				51.10	3825.04
	8-Dec-2011				51.20	3824.94
	19-Jul-2011				50.36	3825.78
	20-Apr-2011				48.91	3827.23
	17-Jan-2011				47.00	3829.14
	14-Sep-2010				47.63	3828.51
	24-Jun-2010				48.22	3827.92
	22-Mar-2010				47.66	3828.48
	8-Dec-2009				47.39	3828.75
	28-Aug-2009				47.75	3828.39
	26-May-2009				47.86	3828.28
	11-Dec-2008				46.68	3829.46
28-Sep-2008	47.44	3828.70				
11-Jun-2008	48.11	3828.03				
5-Feb-2008	46.68	3829.46				
14-Nov-2007	47.11	3829.03				
12-Sep-2007	47.85	3828.29				
Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)						
126-04	5-Feb-2015	423258.23	1510546.24	3850.31	35.06	3815.25
	5-Nov-2014				35.62	3814.69
	12-Aug-2014				35.61	3814.70
	12-May-2014				34.98	3815.33
	12-Feb-2014				33.79	3816.52
	6-Nov-2013				34.32	3815.99
	6-Aug-2013				32.93	3817.38
	7-May-2013				32.01	3818.30
	7-Feb-2013				32.05	3818.26
	24-Oct-2012				32.58	3817.73
	30-Jul-2012				32.23	3818.08
	23-Apr-2012				31.46	3818.85
	26-Jan-2012				30.89	3819.42
	8-Dec-2011				30.84	3819.47
	19-Jul-2011				30.26	3820.05
	20-Apr-2011				29.09	3821.22
	17-Jan-2011				28.20	3822.11
	14-Sep-2010				28.60	3821.71
	24-Jun-2010				28.21	3822.10
	22-Mar-2010				28.33	3821.98
	8-Dec-2009				28.17	3822.14
	28-Aug-2009				28.50	3821.81
	26-May-2009				28.30	3822.01
	11-Dec-2008				27.56	3822.75
27-Sep-2008	27.96	3822.35				
10-Jun-2008	28.61	3821.70				
6-Feb-2008	27.53	3822.78				
14-Nov-2007	27.61	3822.70				
11-Sep-2007	28.19	3822.12				

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-08	5-Feb-2015	419994.93	1511197.91	3846.53	31.23	3815.30
	10-Nov-2014				30.97	3815.56
	13-Aug-2014				29.54	3816.99
	13-May-2014				30.68	3815.85
	12-Feb-2014				29.98	3816.55
	6-Nov-2013				28.26	3818.27
	6-Aug-2013				27.97	3818.56
	7-May-2013				28.69	3817.84
	7-Feb-2013				28.43	3818.10
	24-Oct-2012				27.92	3818.61
	31-Jul-2012				27.11	3819.42
	23-Apr-2012				27.51	3819.02
	26-Jan-2012				27.68	3818.85
	8-Dec-2011				27.33	3819.20
	19-Jul-2011				25.24	3821.29
	19-Apr-2011				25.72	3820.81
	18-Jan-2011				25.28	3821.25
	15-Sep-2010				24.37	3822.16
	24-Jun-2010				24.91	3821.62
	22-Mar-2010				25.15	3821.38
	8-Dec-2009				24.91	3821.62
	28-Aug-2009				24.46	3822.07
	26-May-2009				24.75	3821.78
	11-Dec-2008				24.88	3821.65
27-Sep-2008	24.30	3822.23				
10-Jun-2008	25.13	3821.40				
6-Feb-2008	25.41	3821.12				
13-Nov-2007	25.00	3821.53				
12-Sep-2007	25.13	3821.40				
42-09	5-Feb-2015	419729.17	1512255.76	3865.25	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	6-Feb-2015	421426.39	1514460.4	3929.28	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	6-Feb-2015	420693.98	1515270.32	3939.31	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	6-Feb-2015	420972.09	1515423.88	3945.83	131.76	3814.07
	10-Nov-2014				132.31	3813.52
	14-Aug-2014				132.13	3813.70
	13-May-2014				131.63	3814.20
	12-Feb-2014				129.89	3815.94
	6-Nov-2013				131.11	3814.72
	6-Aug-2013				130.08	3815.75
	7-May-2013				129.59	3816.24
	7-Feb-2013				129.18	3816.65
	24-Oct-2012				129.74	3816.09
	31-Jul-2012				129.44	3816.39
	23-Apr-2012				128.71	3817.12
	25-Jan-2012				128.06	3817.77
	8-Dec-2011				128.14	3817.69
	19-Jul-2011				128.01	3817.82
	19-Apr-2011				126.37	3819.46
	18-Jan-2011				126.37	3819.46
	15-Sep-2010				127.38	3818.45
	27-Jun-2010				127.43	3818.40
	22-Mar-2010				126.50	3819.33
	8-Dec-2009				126.60	3819.23
	28-Aug-2009				126.84	3818.99
	26-May-2009				126.68	3819.15
11-Dec-2008	126.18	3819.65				
27-Sep-2008	126.68	3819.15				
11-Jun-2008	126.88	3818.95				
6-Feb-2008	126.16	3819.67				
14-Nov-2007	126.55	3819.28				
12-Sep-2007	127.04	3818.79				
42-13	5-Feb-2015	419734.06	1512534.42	3873.10	58.50	3814.60
	10-Nov-2014				57.27	3815.83
	12-Aug-2014				57.56	3815.54
	13-May-2014				57.95	3815.15
	17-Feb-2014				57.38	3815.72
	6-Nov-2013				56.31	3816.79
	6-Aug-2013				56.01	3817.09
	7-May-2013				56.02	3817.08
	7-Feb-2013				55.86	3817.24
	24-Oct-2012				55.40	3817.70
	31-Jul-2012				55.17	3817.93
	23-Apr-2012				54.96	3818.14
	25-Jan-2012				54.99	3818.11
	8-Dec-2011				54.83	3818.27
	19-Jul-2011				53.77	3819.33
	19-Apr-2011				53.50	3819.60
	18-Jan-2011				52.95	3820.15
	15-Sep-2010				52.44	3820.66
	24-Jun-2010				53.21	3819.89
	22-Mar-2010				52.84	3820.26
	8-Dec-2009				52.79	3820.31
	28-Aug-2009				52.45	3820.65
	26-May-2009				52.64	3820.46
11-Dec-2008	52.49	3820.61				
27-Sep-2008	52.23	3820.87				
10-Jun-2008	52.91	3820.19				
6-Feb-2008	52.84	3820.26				
13-Nov-2007	52.56	3820.54				
12-Sep-2007	52.83	3820.27				

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

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

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

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

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

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

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

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b	
624-08	5-Feb-2015	421461.78	1507712.04	3838.70		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-Feb-2015	417300.94	1512942.63	3834.27	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-Feb-2015	416738.21	1513246.51	3834.66	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-Feb-2015	416206.71	1513777.17	3835.75	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-Feb-2015	416796.99	1513733.28	3840.33	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-Feb-2015	417302.42	1514116.55	3852.16	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-Feb-2015	417301.84	1514765.63	3866.02	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-Feb-2015	415240.93	1515476.47	3858.91	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
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	5-Feb-2015	405434.93	1519310.15	3841.01	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	5-Feb-2015	404574.08	1519035.52	3820.58	16.00	3804.58
	5-Nov-2014				17.16	3803.42
	13-Aug-2014				17.50	3803.08
	18-Jun-2014				18.13	3802.45
	12-Feb-2014				15.75	3804.83
	6-Nov-2013				17.07	3803.51
	6-Aug-2013				17.55	3803.03
	7-May-2013				16.22	3804.36
	7-Feb-2013				15.84	3804.74
	25-Oct-2012				16.02	3804.56
	31-Jul-2012				15.09	3805.49
	24-Apr-2012				14.30	3806.28
	24-Jan-2012				13.96	3806.62
	8-Dec-2011				15.49	3805.09
	19-Jul-2011				14.19	3806.39
	20-Apr-2011				12.45	3808.13
	17-Jan-2011				12.53	3808.05
	16-Sep-2010				12.45	3808.13
	23-Jun-2010				12.87	3807.71
	22-Mar-2010				12.72	3807.86
	8-Dec-2009				11.88	3808.70
	28-Aug-2009				12.53	3808.05
	26-May-2009				12.70	3807.88
10-Dec-2008	11.65	3808.93				
27-Sep-2008	12.03	3808.55				
10-Jun-2008	12.39	3808.19				
5-Feb-2008	11.94	3808.64				
14-Nov-2007	11.52	3809.06				
12-Sep-2007	12.33	3808.25				

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

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
74-03	5-Feb-2015	407163.61	1516711.72	3823.36	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	5-Feb-2015	405488.65	1519864.48	3853.17	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	5-Feb-2015	404747.71	1519885.3	3845.35	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	5-Feb-2015	402518.37	1518459.71	3818.94	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	5-Feb-2015	402518.18	1518936.72	3818.88	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	5-Feb-2015	402498.3	1519354.81	3819.64	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	5-Feb-2015	402981.73	1519415.73	3825.66	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	5-Feb-2015	402032.19	1519884.6	3827.60	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	5-Feb-2015	397947.44	1520446.03	3815.44	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	5-Feb-2015	404479.35	1519603.88	3834.84	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	5-Feb-2015	402562.23	1518480.34	3819.08	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	5-Feb-2015	399352.96	1519889.65	3817.96	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	5-Feb-2015	398473.95	1519259.34	3817.00	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-Feb-2015	399617.23	1521136.33	3839.55	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-Feb-2015	401200.32	1520639.92	3836.04	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-Feb-2015	401392.09	1521955.23	3867.06	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-Feb-2015	402898.52	1520659.33	3845.79	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-Feb-2015	399712.39	1522374.73	3865.51	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-Feb-2015	402219.48	1522652.04	3878.20	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-Feb-2015	399298.8	1522082.75	3860.70	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-Feb-2015	400535.64	1521938.23	3861.76	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-Feb-2015	398280.67	1520918.52	3826.27	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-Feb-2015	396715.89	1520283.6	3820.76	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-Feb-2015	395856.31	1520572.16	3820.33	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-Feb-2015	394728.34	1521030.29	3813.67	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-Feb-2015	397935.69	1518746.14	3814.74	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-Feb-2015	397678.36	1519948.22	3814.04	14.71	3799.33
	5-Nov-2014				14.93	3799.11
	13-Aug-2014				13.28	3800.76
	18-Jun-2014				14.53	3799.51
	12-Feb-2014				14.06	3799.98
	6-Nov-2013				14.01	3800.03
	14-Aug-2013				14.20	3799.84
	7-May-2013				13.83	3800.21
	7-Feb-2013				13.11	3800.93
	26-Oct-2012				13.36	3800.68
	1-Aug-2012				13.05	3800.99
	24-Apr-2012				12.98	3801.06
	30-Jan-2012				12.26	3801.78
	1-Nov-2011				12.79	3801.25
	18-Jul-2011				10.65	3803.39
	26-Apr-2011				11.66	3802.38
	17-Jan-2011				10.44	3803.60
	15-Sep-2010				9.94	3804.10
	22-Jun-2010				10.90	3803.14
	22-Mar-2010				10.71	3803.33
	8-Dec-2009				10.42	3803.62
	28-Aug-2009				10.11	3803.93
	26-May-2009				10.00	3804.04
10-Dec-2008	10.48	3803.56				
27-Sep-2008	9.80	3804.24				
10-Jun-2008	11.00	3803.04				
5-Feb-2008	10.99	3803.05				
14-Nov-2007	11.21	3802.83				
12-Sep-2007	NM	NM				
Additional Wells						
Bruce1	18-Jul-2011	388741.02	1523777.06	3808.92	Destroyed	
	19-Apr-2011				11.17	3797.75
	17-Jan-2011				11.13	3797.79
	15-Sep-2010				10.38	3798.54
	23-Jun-2010				10.99	3797.93
	21-Mar-2010				11.50	3797.42
	8-Dec-2009				11.05	3797.87
	27-Aug-2009				10.41	3798.51
	27-May-2009				10.77	3798.15
	10-Dec-2008				11.28	3797.64
	27-Sep-2008				10.93	3797.99
	10-Jun-2008				11.28	3797.64
	5-Feb-2008				11.47	3797.45
Bruce2	5-Feb-2008	NM	NM	NM	Destroyed	
	10-Jun-2008				8.33	--

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

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
SOUTHERN AREA						
Del Oro Dairy						
692-01	6-Feb-2015	373615.88	1531529.38	3844.13	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-Feb-2015	372984.72	1531192.1	3840.84	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-Feb-2015	372982.53	1531555.21	3842.66	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-Feb-2015	374807.26	1532403	3854.26	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-Feb-2015	375054.77	1532411.83	3856.48	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-Feb-2015	374944.88	1532019.81	3848.20	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-Feb-2015	375535.69	1531378.09	3843.09	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-Feb-2015	373575.83	1532395.09	3856.32	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	6-Feb-2015	372097.86	1532364.36	3843.03	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	6-Feb-2015	NM	NM	3843.25	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	6-Feb-2015	NM	NM	3841.24	Dry	
	6-Nov-2014				Dry	
	12-Aug-2014				Dry	
	13-May-2014				Dry	
	14-Feb-2014				Dry	
	7-Nov-2013				Dry	
	7-Aug-2013				59.29	3781.95
	8-May-2013				58.80	3782.44
	7-Feb-2013				58.36	3782.88
	26-Oct-2012				57.98	3783.26
	2-Aug-2012				57.81	3783.43
	25-Apr-2012				57.32	3783.92
	30-Jan-2012				56.80	3784.44
	8-Dec-2011				56.87	3784.37
	18-Jul-2011				56.98	3784.26
	19-Apr-2011				56.93	3784.31
	18-Jan-2011				56.73	3784.51
	15-Sep-2010				Could not access	
	24-Jun-2010				56.91	3784.33
	22-Mar-2010				56.93	3784.31
	9-Dec-2009				56.69	3784.55
28-Aug-2009	56.54	3784.70				
27-May-2009	56.96	3784.28				
ABATEMENT PLAN MONITOR WELLS						
DAD-01	6-Feb-2015	422970.59	1512825.76	3886.16	71.45	3814.71
	6-Nov-2014				72.07	3814.09
	12-Aug-2014				71.93	3814.23
	13-May-2014				71.48	3814.68
	12-Feb-2014				70.14	3816.02
	6-Nov-2013				70.64	3815.52
	7-Aug-2013				68.63	3817.53
	7-May-2013				68.48	3817.68
	8-Feb-2013				68.59	3817.57
	29-Oct-2012				68.12	3818.04
	30-Jul-2012				68.97	3817.19
	23-Apr-2012				68.19	3817.97
	25-Jan-2012				67.15	3819.01
	8-Dec-2011				67.41	3818.75
	19-Jul-2011				67.41	3818.75
	25-Apr-2011				65.86	3820.30
	18-Jan-2011				65.37	3820.79
	16-Sep-2010				65.86	3820.30
	24-Jun-2010				66.58	3819.58
	21-Mar-2010				65.46	3820.70
	9-Dec-2009				65.32	3820.84
29-Aug-2009	65.68	3820.48				
26-May-2009	65.43	3820.73				

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

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

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

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-04	6-Feb-2015	404576.66	1517413.28	3821.47	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	6-Feb-2015	396712.87	1519102.06	3816.01	16.60	3799.41
	10-Nov-2014				17.25	3798.76
	13-Aug-2014				14.33	3801.68
	13-May-2014				17.24	3798.77
	13-Feb-2014				15.82	3800.19
	7-Nov-2013				15.39	3800.62
	7-Aug-2013				15.32	3800.69
	8-May-2013				15.78	3800.23
	8-Feb-2013				15.08	3800.93
	29-Oct-2012				14.85	3801.16
	2-Aug-2012				14.17	3801.84
	24-Apr-2012				14.14	3801.87
	25-Jan-2012				14.11	3801.90
	8-Dec-2011				14.05	3801.96
	18-Jul-2011				12.31	3803.70
	18-Apr-2011				12.58	3803.43
	17-Jan-2011				12.50	3803.51
	16-Sep-2010				11.87	3804.14
	23-Jun-2010				12.95	3803.06
	21-Mar-2010				12.92	3803.09
9-Dec-2009	12.13	3803.88				
29-Aug-2009	11.85	3804.16				
26-May-2009	12.07	3803.94				

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

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

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

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

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

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-10	6-Feb-2015	372980.55	1532375.33	3854.93	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 (177-03)	6-Feb-2015	416211.35	1513814.71	3835.90	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	6-Feb-2015	419731.54	1512274.77	3866.72	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	6-Feb-2015	417879.08	1515673.13	3898.44	85.50	3812.94
	10-Nov-2014				85.74	3812.70
	13-Aug-2014				86.67	3811.77
	13-May-2014				87.24	3811.20
	12-Feb-2014				84.45	3813.99
	7-Nov-2013				85.43	3813.01
	14-Aug-2013				86.46	3811.98
	8-May-2013				84.96	3813.48
	8-Feb-2013				84.81	3813.63
	29-Oct-2012				85.39	3813.05
	30-Jul-2012				85.51	3812.93
	23-Apr-2012				83.56	3814.88
	25-Jan-2012				82.72	3815.72
	8-Dec-2011				82.88	3815.56
DAD-14	6-Feb-2015	414923.33	1514695.26	3841.90	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	6-Feb-2015	402001.22	1523552.04	3897.61	95.65	3801.96
	6-Nov-2014				95.11	3802.50
	14-Aug-2014				95.50	3802.11
	13-May-2014				95.47	3802.14
	12-Feb-2014				94.81	3802.80
	7-Nov-2013				95.08	3802.53
	7-Aug-2013				95.31	3802.30
	8-May-2013				94.35	3803.26
	8-Feb-2013				94.01	3803.60
	29-Oct-2012				93.78	3803.83
DAD-16	6-Feb-2015	400628.77	1519350.74	3819.28	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	6-Feb-2015	393991.97	1520267.94	3817.75	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	6-Feb-2015	395714.14	1520588.96	3821.59	23.73	3797.86
	10-Nov-2014				24.90	3796.69
	12-Aug-2014				22.93	3798.66
	13-May-2014				25.33	3796.26
	17-Feb-2014				23.03	3798.56
	7-Nov-2013				23.25	3798.34
	7-Aug-2013				24.23	3797.36
	13-May-2013				22.97	3798.62
	8-Feb-2013				22.04	3799.55
	29-Oct-2012				22.40	3799.19
	1-Aug-2012				22.43	3799.16
	24-Apr-2012				22.20	3799.39
	25-Jan-2012				21.33	3800.26
	6-Dec-2011				21.43	3800.16
DAD-19	6-Feb-2015	400164.47	1522027.92	3864.50	64.38	3800.12
	10-Nov-2014				64.50	3800.00
	12-Aug-2014				65.29	3799.21
	13-May-2014				65.26	3799.24
	12-Feb-2014				63.99	3800.51
	7-Nov-2013				64.11	3800.39
	7-Aug-2013				64.46	3800.04
	14-May-2013				63.75	3800.75
	8-Feb-2013				62.95	3801.55
	29-Oct-2012				62.30	3802.20
	1-Aug-2012				63.70	3800.80
	24-Apr-2012				63.31	3801.19
	25-Jan-2012				62.25	3802.25
	6-Dec-2011				62.29	3802.21
DAD-20	6-Feb-2015	371751.45	1531188.19	3833.27	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				6-Feb-2015	374013.39
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	6-Feb-2015	373029.62	1530352.69	3827.14	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 relative to 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	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		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	
	NMED Split	21-Mar-10	8.1	<1.0	420	1,970	NA
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	4-Mar-15	<0.0470	<1.80	609	2,630	NA	
	3-Dec-14	<0.126	<1.80	569	2,560	NA	
	29-Aug-14	<0.126	<1.80	686	2,890	NA	
	9-Jun-14	<0.187	<1.80	838	3,410	NA	
	10-Mar-14	0.906	<1.66	917	3,480	NA	
	11-Dec-13	<0.213	<1.66	932	3,180	NA	
	10-Sep-13	Not Sampled - insufficient water to sample					
	16-May-13	1.07	<1.66	1,400	4,420	NA	
	1-Mar-13	0.721	<1.72	1,220	3,720	NA	
	3-Dec-12	1.1	<1.72	1,150	4,760	NA	
	21-Aug-12	<0.0290	2.80	1,090	3,920	NA	
	9-May-12	<0.114	2.66	1,200	4,160	NA	
	31-Jan-12	<0.500	4.34	1,340	4,350	NA	
	26-Oct-11	<0.500	3.22	1,790	5,420	1,100	
	20-Jul-11	<1.00	3.22	1,630	4,720	NA	
	21-Apr-11	<0.500	<2.17	1,870	5,600	NA	
	24-Jan-11	<0.00955	4.20	1,590	4,660	NA	
	16-Sep-10	0.217	<10.0	1,370	4,320	NA	
	29-Jun-10	<0.5	6.18	1,570	5,150	NA	
	NMED Split	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		4-Mar-15	0.819	<1.80	195	1,280	NA
		3-Dec-14	1.65	<1.80	185	1,260	NA
		29-Aug-14	<0.126	<1.80	483	2,060	NA
		3-Jun-14	0.988	3.50	740	2,810	NA
		10-Mar-14	1.01	<1.66	694	2,600	NA
	11-Dec-13	1.69	<1.66	604	2,400	NA	
	5-Sep-13	0.827	9.10	544	2,710	NA	
	16-May-13	<0.0420	<1.66	613	2,320	NA	
	1-Mar-13	2.12	<1.72	510	2,090	NA	
	5-Dec-12	2.740	<1.72	545	2,430	NA	
	21-Aug-12	<0.0290	<1.72	496	2,620	NA	
	9-May-12	0.305	<1.72	502	1,970	NA	
	31-Jan-12	2.05	<2.17	493	2,320	NA	
	26-Oct-11	<0.500	2.80	590	2,950	380	
	20-Jul-11	<0.500	<2.17	670	2,540	NA	
	20-Apr-11	<0.500	<2.17	584	2,570	NA	
	24-Jan-11	<0.00955	2.66	608	2,400	NA	
	16-Sep-10	<0.100	<10.0	683	2,560	NA	
	29-Jun-10	<0.5	1.4	570	2,330	NA	
	NMED Split	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	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	
Duplicate	13-May-09	<2.0	<5.0	640	2,700	NA	
	13-May-09	<10	1.6	618	2,260	NA	
DAD-06	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	5-Mar-15	5.34	<1.80	554	2,060	NA
	3-Dec-14	6.85	<1.80	607	2,180	NA
	2-Sep-14	7.48	<1.80	589	2,150	NA
	12-Jun-14	5.44	<1.80	540	2,020	NA
	11-Mar-14	4.84	2.10	512	1,980	NA
	11-Dec-13	7.94	<1.66	700	2,270	NA
	5-Sep-13	7.01	3.50	650	2,380	NA
	24-May-13	8.42	<1.66	720	2,570	NA
	5-Mar-13	8.15	<1.72	724	2,740	NA
	5-Dec-12	8.03	<1.72	718	2,610	NA
	22-Aug-12	6.88	<1.72	671	2,540	NA
	9-May-12	3.81	<1.72	588	2,150	NA
	31-Jan-12	5.40	<2.17	610	1,640	NA
	26-Oct-11	5.22	2.24	591	750	426
	20-Jul-11	4.67	2.80	554	1,880	NA
	20-Apr-11	4.14	<2.17	525	1,780	NA
	19-Jan-11	0.410	<2.05	518	1,740	NA
	16-Sep-10	<2.50	<10.0	637	1,990	NA
	29-Jun-10	5.17	<0.5	569	2,060	NA
	21-Mar-10	5.1	<1.0	640	1,970	NA
NMED Split	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	5-Mar-15	48.6	<1.80	1,670	5,740	NA
	3-Dec-14	48.1	<1.80	1,700	5,930	NA
	2-Sep-14	39.5	<1.80	1,700	5,220	NA
	4-Jun-14	55.8	2.10	2,210	5,840	NA
	11-Mar-14	71.7	<1.66	2,450	6,400	NA
	12-Dec-13	70.7	2.80	2,500	6,780	NA
	5-Sep-13	74.9	2.80	2,440	7,440	NA
	24-May-13	71.5	<1.66	2,140	6,740	NA
	4-Mar-13	90.0	<1.72	2,280	7,060	NA
	5-Dec-12	40.2	<1.72	2,270	5,980	NA
	22-Aug-12	32.2	<1.72	2,430	7,220	NA
	9-May-12	2.39	<1.72	1,150	3,260	NA
	31-Jan-12	2.69	<2.17	1,250	2,990	NA
	26-Oct-11	2.80	<2.17	1,260	2,500	471
	20-Jul-11	3.36	3.78	1,320	3,060	NA
	20-Apr-11	4.33	<2.17	1,300	3,280	NA
	19-Jan-11	<0.239	2.10	1,240	2,600	NA
	17-Sep-10	<2.50	<10.0	1,370	3,230	NA
	29-Jun-10	2.53	<1.0	1,290	5,950	NA
	21-Mar-10	<4.0	<1.0	1,300	3,270	NA
NMED Split	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	4-Mar-15	4.01	<1.80	474	1,800	NA
	5-Dec-14	4.27	<1.80	495	1,800	NA
	28-Aug-14	5.25	<1.80	466	1,720	NA
	4-Jun-14	3.14	<1.80	440	1,580	NA
	18-Mar-14	3.44	<1.66	418	1,480	NA
	16-Dec-13	17.4	<1.66	294	1,200	NA
	30-Aug-13	12.3	2.10	454	1,800	NA
	30-May-13	9.69	<1.66	435	1,740	NA
	6-Mar-13	17.1	<1.72	494	1,840	NA
	4-Dec-12	33.1	<1.72	588	2,200	NA
	20-Aug-12	48.4	<1.72	656	2,540	NA
	10-May-12	50.9	<1.72	561	2,270	NA
	31-Jan-12	59.8	<2.17	622	2,220	NA
	26-Oct-11	77.7	<2.17	728	1,600	433
	20-Jul-11	70.2	<2.17	727	2,500	NA
	20-Apr-11	47.5	<2.17	483	1,910	NA
	19-Jan-11	42.8	2.38	745	2,600	NA
	17-Sep-10	22.6	<10.0	204	47	NA
	29-Jun-10	59.2	<5.0	667	2,240	NA
	21-Mar-10	29	<5.0	290	1,190	NA
NMED Split	9-Dec-09	26	<5.0	300	1,190	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	4-Mar-15	13.9	<1.80	453	1,720	NA
	5-Dec-14	12.8	<1.80	461	1,720	NA
	3-Oct-14	12.5	<1.80	419	1,720	NA
	28-Aug-14	17.0	<1.80	445	1,740	NA
	9-Jun-14	6.86	<1.80	454	1,560	NA
	18-Mar-14	7.79	<1.66	475	1,620	NA
	16-Dec-13	8.34	4.90	475	1,600	NA
	5-Sep-13	6.01	3.50	451	1,480	NA
	23-May-13	5.42	<1.66	453	1,450	NA
	6-Mar-13	4.83	<1.72	468	1,620	NA
	4-Dec-12	4.33	<1.72	434	1,510	NA
	20-Aug-12	2.86	<1.72	389	2,520	NA
	10-May-12	1.52	<1.72	361	1,400	NA
	31-Jan-12	<0.500	<2.17	433	800	NA
	26-Oct-11	3.33	2.80	384	1,150	206
	20-Jul-11	2.29	<2.17	383	1,290	NA
	20-Apr-11	1.30	<2.17	411	1,340	NA
	19-Jan-11	12.7	2.10	429	1,140	NA
	17-Sep-10	2.73	<10.0	404	1,320	NA
	29-Jun-10	1.28	<1.0	390	1,360	NA
21-Mar-10	<2.0	<1.0	420	1,380	NA	
NMED Split	9-Dec-09	1.4	<1.0	460	1,360	NA
	9-Dec-09	1.5	<0.1	378	1,340	196
	29-Aug-09	1.2	<1.0	420	1,340	NA
	14-May-09	<2.0	<1.0	410	1,300	NA

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

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-11	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	11.10	<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	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	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	5-Mar-15	30.2	<1.80	949	3,280	NA
	4-Dec-14	30.3	<1.80	933	3,200	NA
	2-Sep-14	26.7	2.10	878	3,240	NA
	6-Jun-14	29.6	<1.80	943	3,340	NA
	17-Mar-14	41.3	<1.66	1,040	3,620	NA
	13-Dec-13	31.9	<1.66	929	3,160	NA
	9-Sep-13	29.2	3.50	1,010	3,590	NA
	29-May-13	34.6	<1.66	1,030	3,520	NA
	1-Mar-13	42.0	16.8	1,130	3,730	NA
	3-Dec-12	40.3	<1.72	1,150	4,010	NA
	21-Aug-12	33.2	<1.72	919	3,340	NA
	14-May-12	28.8	<1.72	881	3,280	NA
1-Feb-12	20.3	<2.17	861	2,880	NA	
27-Oct-11	17.2	2.80	835	1,780	447	
DAD-15	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	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	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	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	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	4-Mar-15	20.4	<1.80	784	2,340	NA	
	4-Dec-14	20.8	<1.80	806	2,240	NA	
	28-Aug-14	19.3	<1.80	603	2,400	NA	
	9-Jun-14	20.4	<1.80	773	2,470	NA	
	18-Mar-14	20.6	<1.66	665	2,120	NA	
	16-Dec-13	20.2	2.10	732	2,140	NA	
	5-Sep-13	19.2	5.60	808	2,870	NA	
	23-May-13	25.2	<1.66	707	2,320	NA	
	6-Mar-13	29.5	<1.72	710	2,280	NA	
	4-Dec-12	17.0	<1.72	704	2,350	NA	
	10-May-12	Obstruction in Well					
	31-Jan-12	21.2	<2.17	568	1,000	NA	
7-Dec-11	16.1	<2.17	611	2,020	383		
DAD-21	4-Mar-15	5.95	<1.80	487	1,850	NA	
	4-Dec-14	5.03	<1.80	465	1,760	NA	
	28-Aug-14	13.0	<1.80	520	2,080	NA	
	4-Jun-14	15.0	<1.80	532	2,180	NA	
	18-Mar-14	18.1	<1.66	592	2,140	NA	
	16-Dec-13	16.9	<1.66	568	1,890	NA	
	5-Sep-13	12.0	4.20	583	1,990	NA	
	24-May-13	6.73	<1.66	509	1,960	NA	
	6-Mar-13	5.76	<1.72	516	1,910	NA	
	4-Dec-12	3.47	<1.72	445	1,720	NA	
	20-Aug-12	3.45	<1.72	409	1,660	NA	
	10-May-12	1.16	<1.72	364	2,840	NA	
31-Jan-12	6.79	2.94	475	1,620	NA		
7-Dec-11	2.14	<2.17	396	1,600	219		

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

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-22	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	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	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	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	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	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	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	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	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	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	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	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	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	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	9-Feb-15	91.2	<1.80	809	3,340
	12-Nov-14	90.1	<1.80	807	3,320
	15-Aug-14	84.4	<1.80	772	3,420
	14-May-14	84.6	<1.80	793	3,130
	20-Feb-14	86.8	<1.66	806	3,080
	11-Nov-13	87.0	3.50	807	3,160
	8-Aug-13	80.2	4.90	794	3,180
	9-May-13	74.6	<1.66	744	3,180
	13-Feb-13	81.6	<1.72	805	3,550
	5-Nov-12	73.8	4.90	923	3,220
	6-Aug-12	74.0	<1.72	749	3,380
	25-Apr-12	69.8	6.16	727	2,890
	4-Nov-11	75.0	5.74	755	3,620
	22-Jul-11	84.8	7.98	777	2,970
	27-Jan-11	94.1	2.24	760	3,500
	21-Sep-10	92.2	<10.0	778	3,260
	29-Jun-10	87	<0.10	850	3,180
	24-Mar-10	95	ND	930	3,070
	15-Dec-09	82	ND	910	3,072
	1-Sep-09	94	ND	890	3,072
2-Jun-09	43.2	ND	880	2,954	
4-Mar-09	41.5	ND	885	3,098	

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

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
Former D&J Dairy (Dominguez 2)					
42-02	26-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	27-Feb-15	68.6	<1.80	1,020	3,630
	18-Nov-14	73.2	16.1	1,040	3,560
	26-Aug-14	78.0	<1.80	891	3,360
	21-May-14	62.6	<1.80	1,100	3,720
	26-Feb-14	62.8	<1.66	1,070	3,160
	26-Nov-13	62.9	2.80	1,090	3,660
	15-Aug-13	67.5	17.5	1,090	3,560
	14-May-13	59.6	<1.66	1,150	3,800
	15-Feb-13	60.3	<1.72	1,140	3,800
	9-Nov-12	56.2	<1.72	1,120	3,800
	8-Aug-12	71.1	<1.72	1,370	3,520
	1-May-12	51.5	<1.72	1,030	3,620
	16-Feb-12	51.3	<2.17	1,130	3,760
	9-Nov-11	58.9	2.80	1,000	3,660
	1-Aug-11	59.2	<2.17	1,030	3,720
	25-Apr-11	58.8	<2.17	1,080	3,620
	28-Jan-11	69.5	3.78	1,160	3,690
	1-Oct-10	63.0	<10.0	1,090	3,640
	27-Jun-10	49	<5.0	1,100	3,780
	6-Mar-10	39.6	<0.3	1,180	3,935
16-Jan-10	43.3	<0.3	1,200	3,800	
15-Sep-09	52.3	0.3	1,130	3,765	
3-Jun-09	48.2	0.3	1,240	3,860	
14-Mar-09	32.2	<0.2	1,240	3,800	

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

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

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

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-08	26-Feb-15	44.9	<1.80	85.7	1,400
	18-Nov-14	47.3	<1.80	117	1,440
	26-Aug-14	36.1	<1.80	159	1,500
	21-May-14	33.1	<1.80	149	1,470
	26-Feb-14	32.6	<1.66	251	1,790
	26-Nov-13	30.8	2.10	275	1,780
	20-Aug-13	30.3	6.30	292	2,000
	14-May-13	29.9	<1.66	259	1,880
	15-Feb-13	31.8	<1.72	284	1,860
	9-Nov-12	30.4	<1.72	283	1,930
	8-Aug-12	36.4	<1.72	307	1,938
	1-May-12	36.0	<1.72	246	1,700
	16-Feb-12	37.0	<2.17	254	1,850
	9-Nov-11	40.0	<2.17	269	1,770
	2-Aug-11	41.3	2.38	253	2,030
	25-Apr-11	51.4	2.66	201	1,970
	28-Jan-11	46.2	5.46	219	2,020
	1-Oct-10	49.0	<10.0	288	2,160
	27-Jun-10	75	<5.0	300	2,220
	6-Mar-10	76.8	<0.3	365	2,290
16-Jan-10	82.8	<0.3	350	2,315	
15-Sep-09	87.1	0.7	410	2,340	
3-Jun-09	65.8	0.8	380	2,175	
14-Mar-09	43.2	0.4	400	2,220	
42-09	26-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	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	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	27-Feb-15	1.87	<1.80	327	1,200
	19-Nov-14	2.10	<1.80	333	1,220
	26-Aug-14	1.96	48.3	319	1,290
	22-May-14	2.18	<1.80	337	1,160
	26-Feb-14	1.87	<1.66	336	1,180
	26-Nov-13	1.95	2.10	341	1,160
	20-Aug-13	1.77	3.50	337	1,200
	14-May-13	1.73	<1.66	319	1,170
	15-Feb-13	1.72	<1.72	332	1,170
	9-Nov-12	<0.0290	<1.72	315	1,170
	8-Aug-12	1.15	2.66	333	1,134
	1-May-12	0.750	<1.72	282	1,180
	16-Feb-12	<0.500	<2.17	341	1,200
	8-Nov-11	<0.500	<2.17	331	730
	2-Aug-11	<0.100	<2.17	331	1,340
	25-Apr-11	<0.500	<2.17	339	1,280
	28-Jan-11	0.580	<2.17	276	970
	1-Oct-10	4.50	<10.0	312	1,280
	27-Jun-10	0.72	<1.0	320	1,270
	6-Mar-10	0.13	<0.3	350	1,230
16-Jan-10	0.42	<0.3	340	1,250	
15-Sep-09	0.65	<0.3	310	1,215	
3-Jun-09	0.82	<0.2	330	1,280	
14-Mar-09	0.70	<0.2	340	1,240	
42-13	26-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	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	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	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	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	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	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	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	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	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	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	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	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	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	
177-07	15-Mar-03	44.4	1.5	1,205	4,007
177-07R	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	

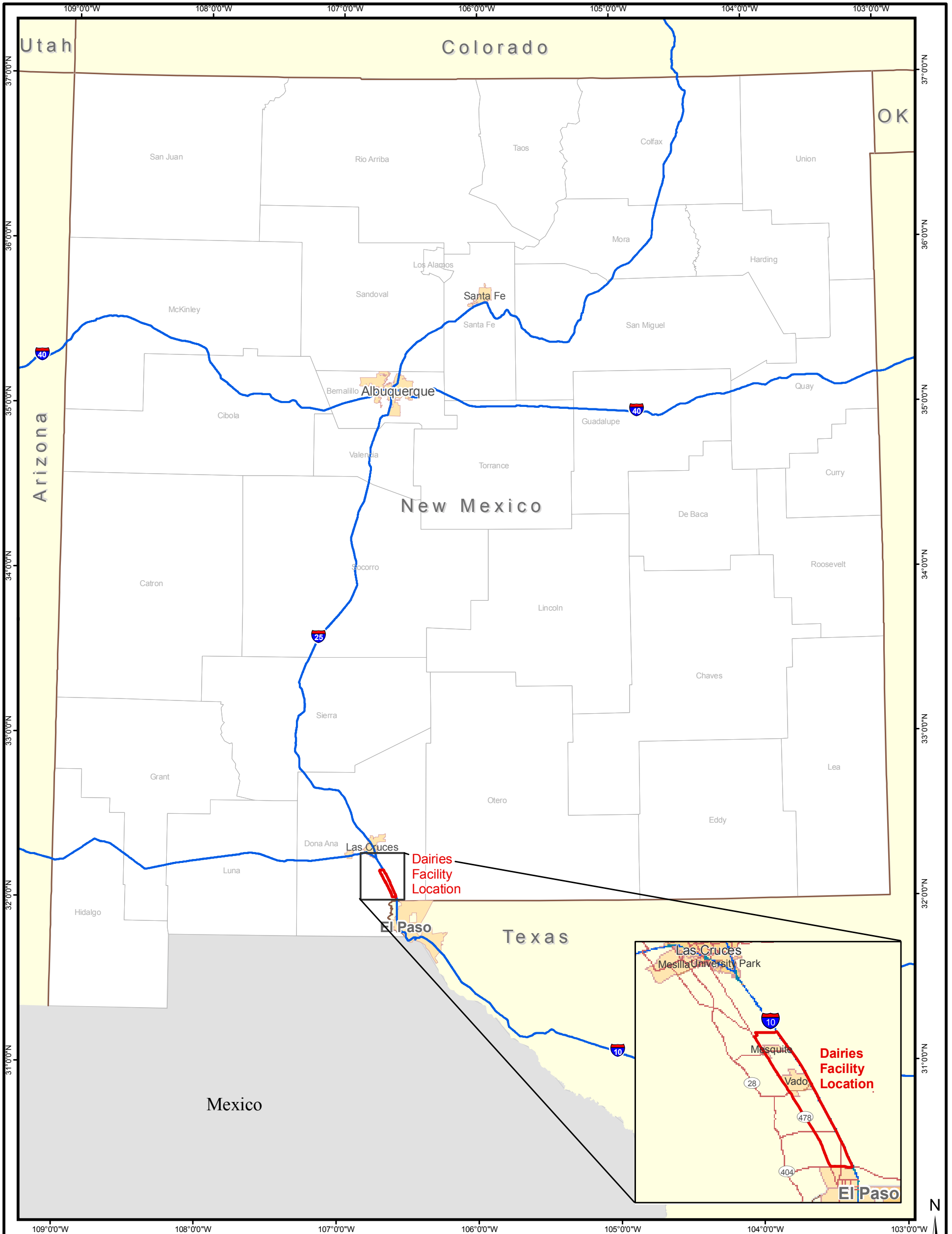
**TABLE 4. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
692-07	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	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	3-Mar-15	2.35	<1.80	428	1,300
	2-Dec-14	1.94	<1.80	444	1,420
	28-Aug-14	4.36	<1.80	418	1,450
	2-Jun-14	6.81	<1.80	459	1,300
	14-Mar-14	6.08	<1.66	453	1,460
	4-Dec-13	3.43	2.10	465	1,440
	4-Sep-13	8.52	3.50	452	1,460
	28-May-13	8.92	<1.66	457	1,410
	27-Feb-13	9.50	<1.72	465	1,440
	29-Nov-12	7.91	13.3	425	1,410
	20-Aug-12	7.71	<1.72	400	1,480
	7-May-12	7.80	<1.72	391	1,470
	17-Feb-12	6.89	<2.17	457	1,450
	8-Nov-11	10.6	<2.17	455	1,400
	1-Aug-11	12.6	<2.17	407	1,300
	26-Apr-11	10.8	<10.0	420	1,140
	18-Jan-11	12.0	<2.05	460	1,160
	1-Oct-10	15.0	<10.0	387	1,480
30-Jun-10	22	<5.0	480	1,500	
30-Mar-10	11	1	520	1,606	
8-Dec-09	10	1	460	1,536	
12-Aug-09	6	1	460	1,675	
4-May-09	6	1	480	1,545	
NMWQCC Standard		10	NA	250	1,000
<p>NOTES:</p> <p>Data suspect</p> <p>mg/l = milligrams per liter</p> <p>ND = Non-detect</p> <p>NMWQCC = New Mexico Water Quality Control Commission</p> <p>TDS = Total dissolved solids</p> <p>TKN = Total Kjeldahl nitrogen</p> <p>Highlight is at or above NMWQCC Standard</p>					

FIGURES

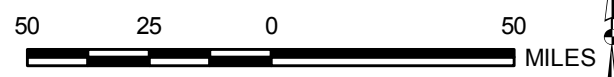


LEGEND:


 Facility Boundary

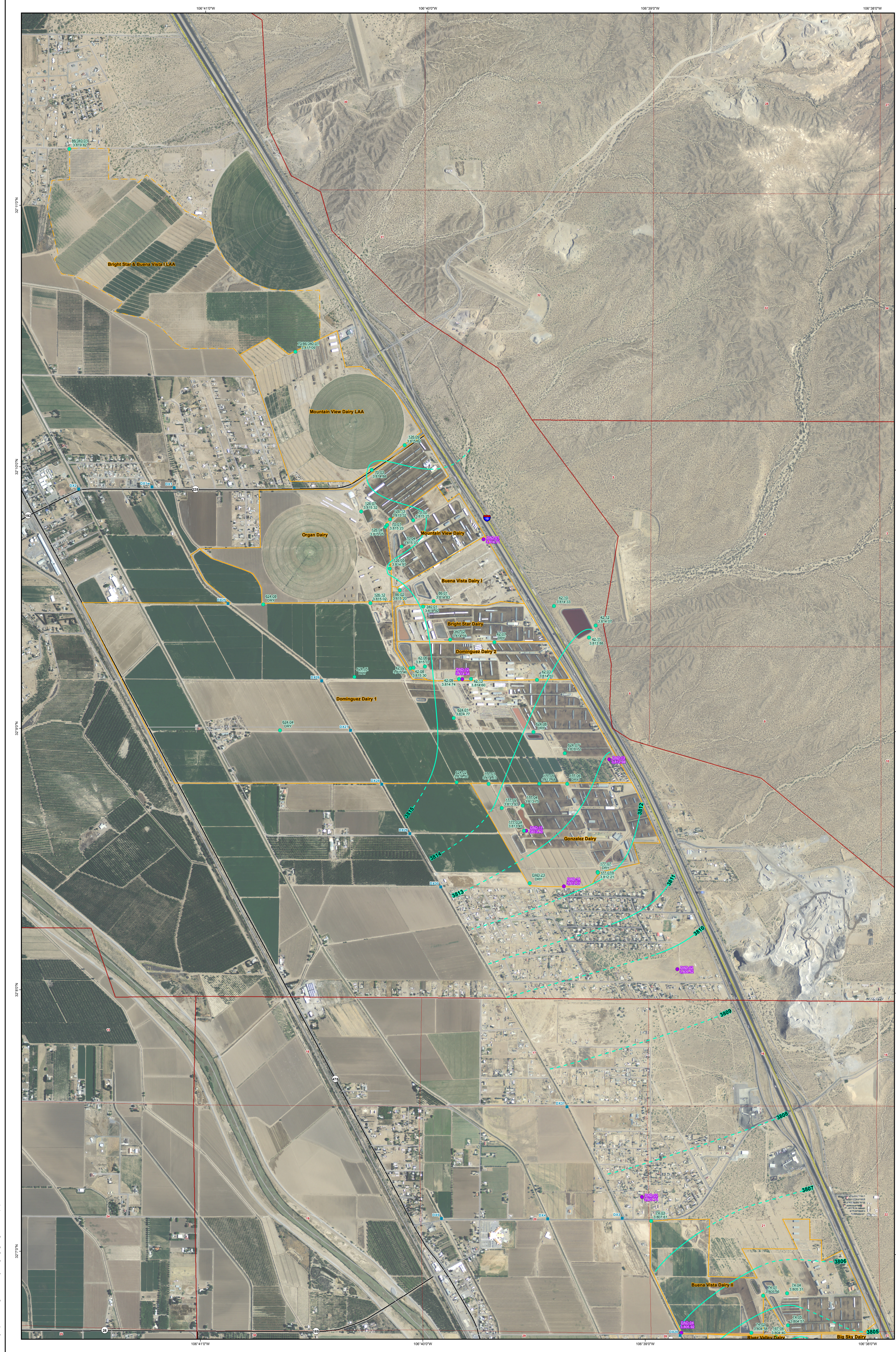
REFERENCES

Base Data: ESRI, 2008.



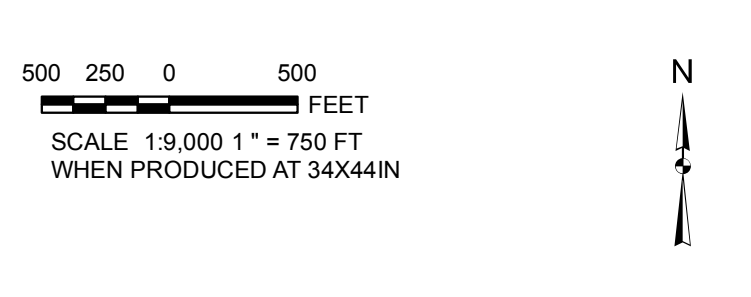
SCALE 1:2,500,000
WHEN PRODUCED AT 11X17IN

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



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



PROJECT: DOÑA ANA DAIRIES
 MESQUITE, NEW MEXICO

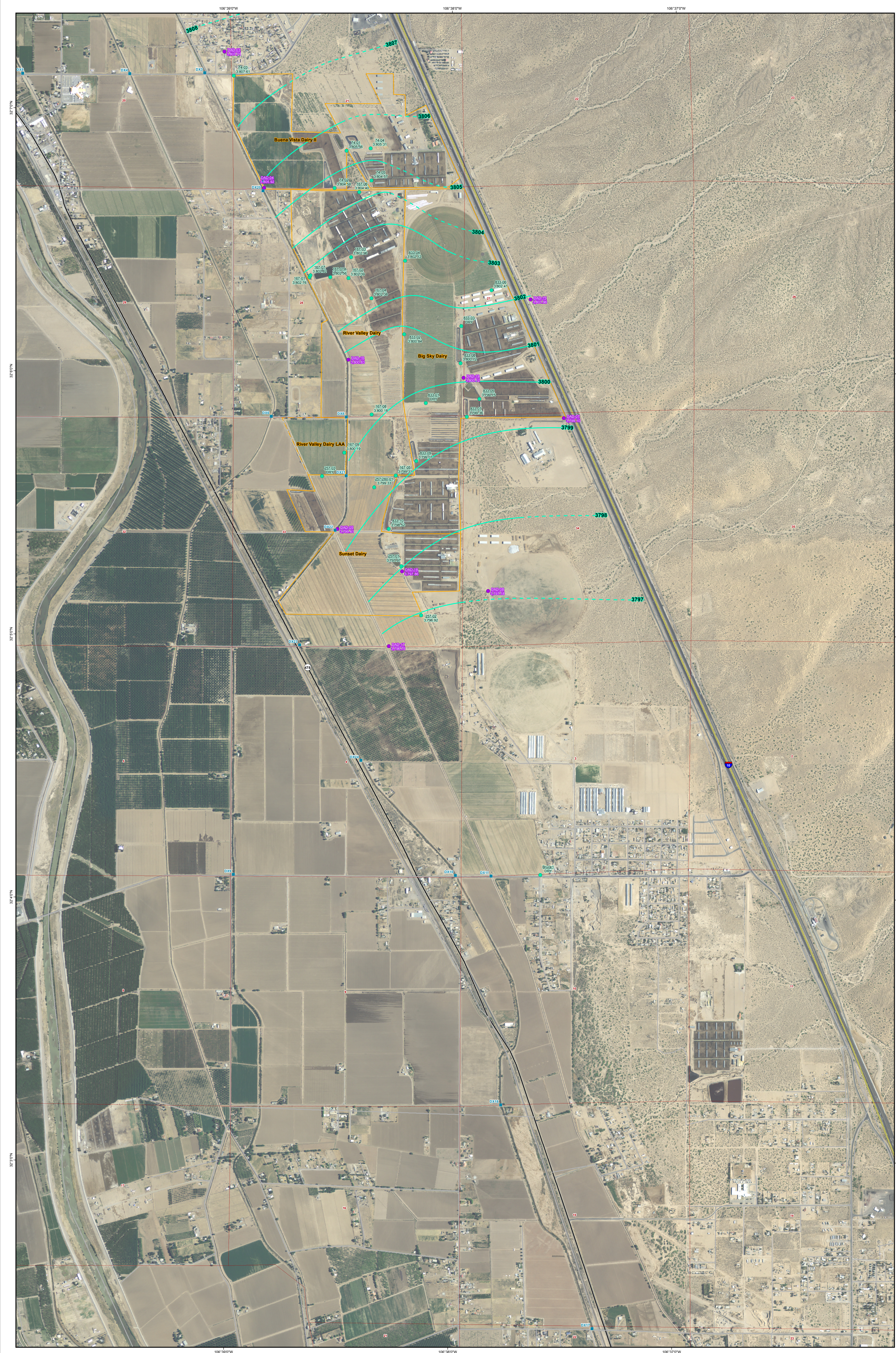
MAP: POTENTIOMETRIC SURFACE MAP,
 FEBRUARY 2015, NORTHERN PORTION

PROJECT NO.	DATE	BY	CHECKED

EA

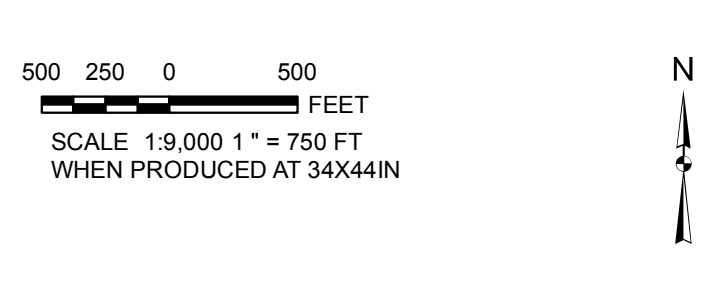
FIGURE 2

2015-02-02 10:45:00 AM C:\Users\jwheeler\OneDrive\Documents\2015-02-02\2015-02-02\2015-02-02.dwg



- LEGEND**
- Drain Crossing Location
 - Discharge Plan Well With Water Elevations (Feet MSL)
 - Abatement Plan Well With Water Elevations (Feet MSL)
 - Potentiometric Contour
 - - - Potentiometric Contour - Assumed
 - Land Owned by Dairies
 - Land Application on Non-Dairy Property
 - Public Land Survey System

REFERENCES
 Roads: Doña Ana County, 2011
 Aerial Photography: NAR, 2011
 PLSS: BLM, 2002
 Projection: State Plane NAD 83 New Mexico Central (feet)



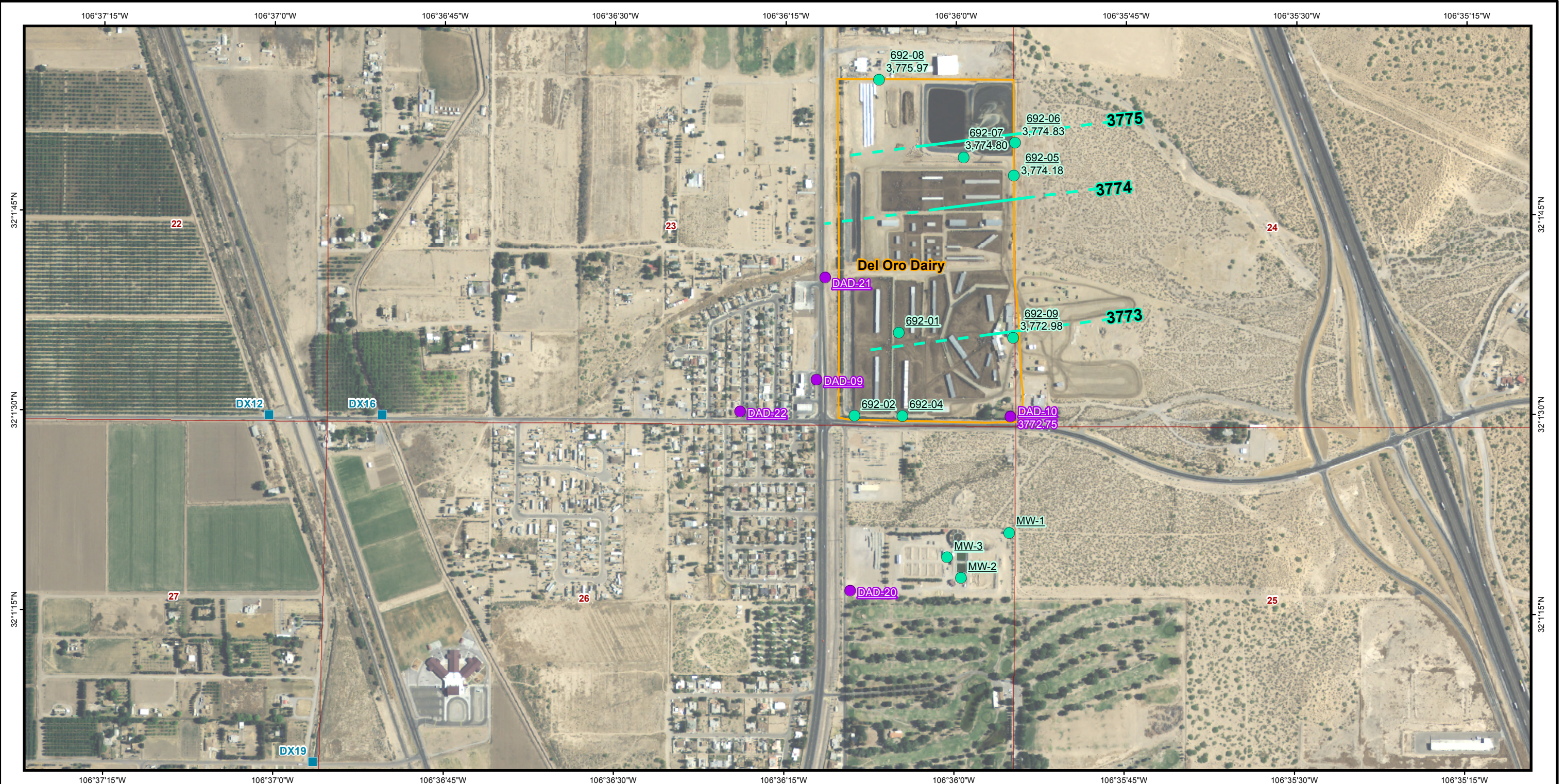
**DOÑA ANA DAIRIES
 MESQUITE, NEW MEXICO**

**POTENTIOMETRIC SURFACE MAP,
 FEBRUARY 2015, CENTRAL PORTION**

PROJECT NO.	2015-001	DATE	February 2015
DRAWN BY	J. Smith	CHECKED BY	K. Jones
DATE	02/10/15	SCALE	1" = 750'
PROJECT	DOÑA ANA DAIRIES	FIGURE	3

2015-001 - Potentiometric Surface Map, Doña Ana County, NM, 2015. Created by J. Smith.

2015-04-10 P:\gis\Projects\doña ana\Dallas_GIS\MXDs\201502\Fig 4 SouthRegionAq_Pot_201502.mxd EA-Dallas mullen



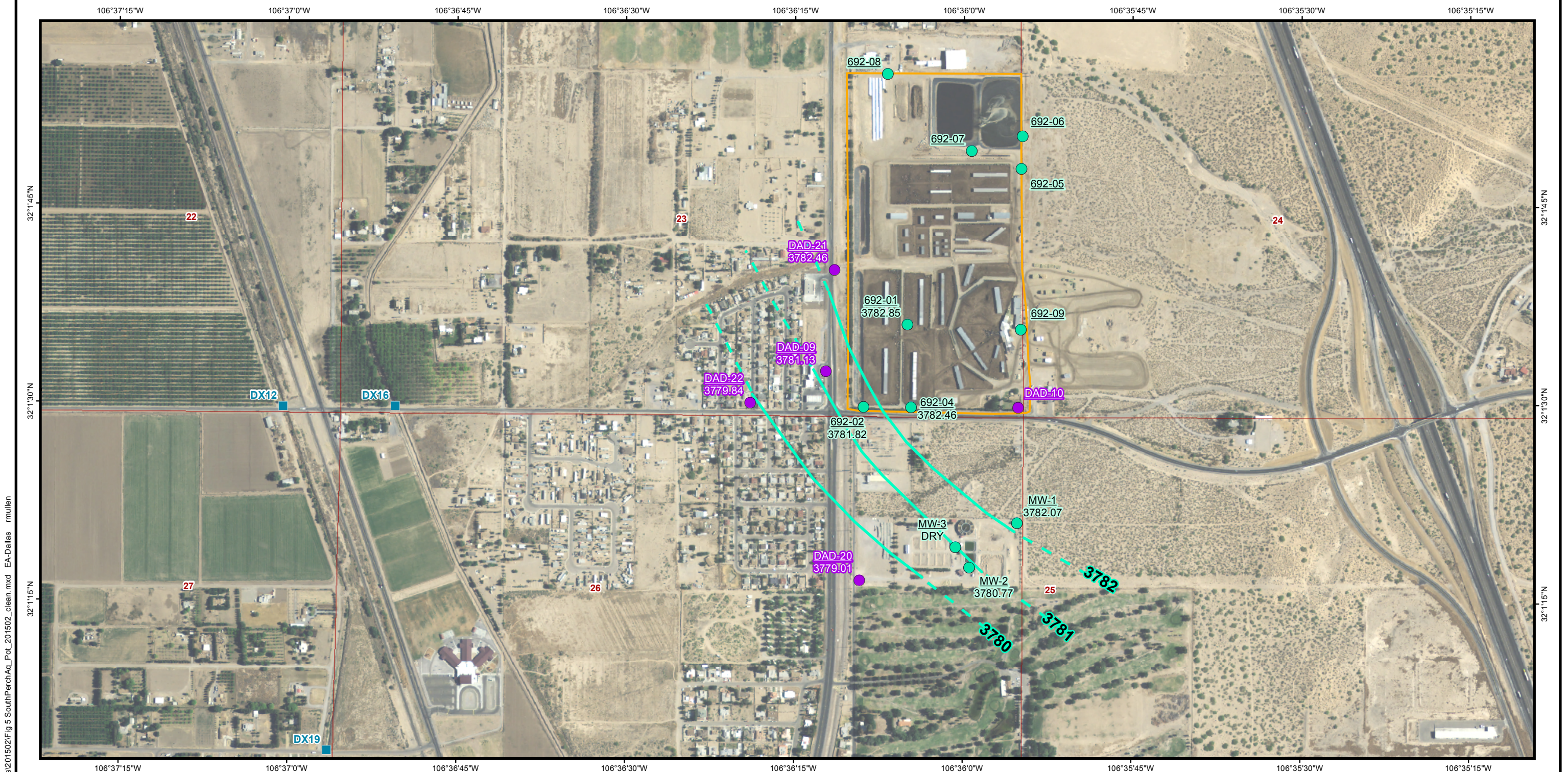
- LEGEND:**
- Drain Crossing Location
 - Discharge Plan Well with Water Elevation (Feet Above Mean Sea Level)
 - Abatement Plan Well With Water Elevations (Feet Above Mean Sea Level)
 - Potentiometric Contour
 - Potentiometric Contour - Assumed
 - Land Owned by Dairies
 - Public Land Survey System

400 200 0 400
 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, FEBRUARY 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



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

400 200 0 400
 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)

PROJECT			
DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
TITLE			
POTENTIOMETRIC SURFACE MAP, FEBRUARY 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

2015-06-01 P:\gis\Projects\doña ana\Dallas_GIS\MXDs\201502\Fig 5 SouthPerchAq_Pot_201502_clean.mxd EA-Dallas rnullen

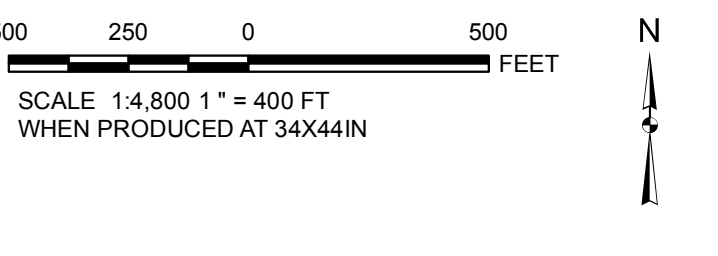


LEGEND:

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

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

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



PROJECT: DOÑA ANA DAIRIES
 MESQUITE, NEW MEXICO

GROUND WATER ANALYTICAL RESULTS
 FEBRUARY - MARCH 2015
 CENTRAL PORTION

EA

FIGURE 7



LEGEND:

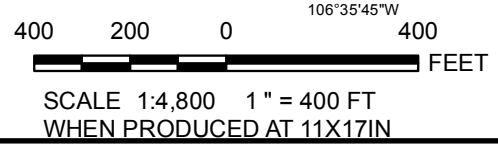
- Land Owned by Dairies
- Public Land Survey System

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 FEBRUARY - MARCH 2015, SOUTHERN PORTION, REGIONAL AQUIFER			
	PROJECT No. 1464103.0006		Fig8SouthRegionAq_Analytical.mxd
	DESIGN	NA	SCALE AS SHOWN
	GIS	RM	REV 0
	CHECK		
	REVIEW		
			FIGURE 8



LEGEND:

- 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)

DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
GROUNDWATER ANALYTICAL RESULTS FEBRUARY - MARCH 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)**

LAB Order ID # _____

ANALYSIS REQUEST	
PAH 8270 (Low Level Analysis)	X
PAH 8270C	
TX 1005 Extended (C35)	
TPH 418.1 / TX1005	
MTBE 8021B/602	
BTEX 8021B/602	
Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	X
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	

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				DATE	SAMPLING TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH			ICE
833-1		1	250	X				X					2-25-15	12:02
833-2		1	500	X				X					12:02	12:02
833-3		1	250	X				X					9:34	9:34
833-4		1	500	X				X					9:34	9:34
833-5	833-9	1	250	X				X					11:08	11:08
833-6	833-9	1	500	X				X					11:08	11:08
833-7		1	250	X				X					13:40	13:40
833-8		1	500	X				X					13:40	13:40
833-9	833-10	1	250	X				X					10:08	10:08
833-10	833-10	1	500	X				X					10:08	10:08
833-11		1						X						
833-12		1						X						
833-13		1						X						
833-14		1						X						
833-15		1						X						
833-16		1						X						
833-17		1						X						
833-18		1						X						
833-19		1						X						
833-20		1						X						

Relinquished By: SAJ Date: 2-25-15 Time: 14:10

Received By: D-7 Date: 2-25-15 Time: 14:10

Lab Use Only
 Intact Y / N / 12-1
 Headspace Y / N
 Temp 4/4
 Log-in Review _____

Remarks: _____

Dry Weight Basis Required _____
 TRRP Report Required _____

TraceAnalysis, Inc.

Company Name: TraceAnalysis, Inc.
 Phone #: 915-859-8150
 Cell #: _____
 Fax #: _____
 E-mail: yayala@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):
George Segura 575-233-3620
 Big Sky Dairy, P.O. Box 10, Mesquite, NM 88048
 Project #: 461601
 Big Sky Dairy
 Sampler Signature: [Signature]

Project Location (including state):
Big Sky Dairy, 17800 Stern Drive, Mesquite, NM

Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

Paso, TX 79932
 Tel (915) 585-3443
 Fax (915) 585-4944

TraceAnalysis, Inc.

Company Name: D&H Petroleum & Environmental Services
Address: (Street, City, Zip) 1221 Tower Trail Ln., El Paso, Texas 79907
Contact Person: Victor Ayala
Phone #: 915-859-8150
Cell #:
Fax #:
E-mail: vayala@dhpump.com
Project Name: George Segura 575-233-3620
Project #: 41601
Sampler Signature: *July*

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING TIME	DATE	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH			ICE
	833-05	1		X				X				X	2-26-15	10:00
	833-05	1		X				X				X	10:00	
	833-8	1		X				X				X	9:00	
	833-8	1		X				X				X	9:00	
	833 Lagoon	1	250	X				X				X	9:33	
	833 Lagoon	1	500	X				X				X	9:33	
	833 Lagoon	1	250	X				X				X	9:33	

Project Location (including state): Big Sky Dairy, 17800 Stern Drive, Mesquite, NM

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

Remarks:

Lab Use Only

Intact Y N

Headspace Y N

Temp 12-1 33

Log-in Review _____

Dry Weight Basis Required

TRRP Report Required

Relinquished By: *July* Date: 2-26-15 Time: 14:10
 Received By: *DZH TA* Date: 2-26-15 Time: 14:10

Relinquished By: _____ Date: _____ Time: _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-01 Date Gauged 2-25-15
 Site Big Sky Time Gauged 11:22
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 0 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)	TDS 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 833-02 Date Gauged 2-25-15
 Site Big Sky Time Gauged 8:33
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 35.42 feet Height of Fluid Column 22.29 feet
 Total Depth 57.71 feet Volume in Well 14.7114 gallons
 (3 Well Volumes = 44 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:44 2-25-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS BO (mg/L)
9:20	37	37	17.9	4566	8.30		3578
9:22	1	38	18.1	4642	8.27		3640
9:24	1	39	18.1	4650	8.26		3658
9:26	1	40	17.6	4648	8.26		3648
9:28	1	41	17.4	4657	8.24		3655
9:30	1	42	17.5	4661	8.23		3658
9:32	1	43	17.4	4665	8.21		3660
9:34	1	43 44	17.3	4666	8.20		3662

Actual Purge Volume 44 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 9:34 2-25-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations 65'

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 2-28-15

Site Big Sky Time Gauged 11:30

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 0 feet Height of Fluid Column _____ feet

Total Depth 62.74 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)	TDS 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 833-001 Date Gauged 2-25-15

Site Big Sky Time Gauged 12:26

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 43.67 feet Height of Fluid Column 9.98 feet

Total Depth 53.65 feet Volume in Well 6.5869 gallons

(3 Well Volumes = 19.7604 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:33 2-25-15 Purged Method Boil

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
13:15	13	13	19.6	4268	7.64		3328
13:19	1	14	19.3	4261 4261	7.61		3320
13:23	1	15	19.0	4256	7.60		3317
13:27	1	16	18.9	4252	7.59		3314
13:30	1	17	18.6	4248	7.57		3311
13:34	1	18	18.8	4243	7.56		3307
13:37	1	19	18.6	4239	7.55		3304
13:40	75	19.75	18.5	4238	7.54		3302

Actual Purge Volume 19.75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 13:40 2-25-15 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 833-05 Date Gauged 2-26-15

Site Big Sky Time Gauged 9:41

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 65.99 feet Height of Fluid Column 7.75 feet

Total Depth 73.74 feet Volume in Well 5.115 gallons

(3 Well Volumes = 15.34 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:46 2-26-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:53	9	9	23.7	4849	7.20		3819
9:54	1	10	23.2	4843	7.16		3822
9:55	1	11	22.7	4816	7.16		3783
9:56	1	12	22.8	4813	7.17		3793
9:57	1	13	22.0	4810	7.22		3801
9:58	1	14	22.1	4808	7.21		3802
9:59	1	15	22.0	4806	7.23		3804
10:00	1.25	15.25	21.9	4804	7.24		3807

Actual Purge Volume 15.25 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:00 2-26-15 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 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-06 Date Gauged 2-24-15

Site Big Sky Time Gauged 11:21

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 75.93 feet Height of Fluid Column 9.16 feet

Total Depth 85.09 feet Volume in Well 6.0456 gallons

(3 Well Volumes = 18 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:28 2-24-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:52	11	11	20.8	4280	7.85		3330
11:54	1	12	20.3	4418	7.42		3451
11:56	1	13	20.4	4508	7.39		3528
11:58	1	14	20.8	4538	7.40		3553
12:00	1	15	20.6	4544	7.43		3556
12:02	1	16	20.5	4547	7.44		3559
12:04	1	17	20.1	4550	7.47		3544
12:06	1	18	20.2	4553	7.48		3548

Actual Purge Volume 18 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 12:06 2-24-15 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 833-07 Date Gauged 2-25-15

Site Big sky Time Gauged 11:36

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 61.6 feet Height of Fluid Column 11.82 feet

Total Depth 73.42 feet Volume in Well 7.8012 gallons

(3 Well Volumes = 23.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:42 2-25-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:55	16	16	19.7	6516	7.63		5283
11:56	1	17	21.0	6505	7.47		5264
11:57	1	18	21.0	6494	7.37		5250
11:58	1	19	21.2	6497	7.35		5260
11:59	1	20	21.3	6452	7.34		5220
12:00	1	21	21.4	6454	7.32		5219
12:01	1	22	21.0	6460	7.36		5227
12:02	1.5	23.5	20.5	6457	7.40		5223

Actual Purge Volume 23.5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 12:02 2-25-15 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 833-8 Date Gauged 2-26-15
 Site Big Sky Time Gauged 8:25
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 61.4 feet Height of Fluid Column 11.61 feet
 Total Depth 72.91 feet Volume in Well 7.5966 gallons
 (3 Well Volumes = 22.78 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:39 2-26-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
8:54	16	16	21.3	5199	7.37		4124
8:55	1	17	20.6	5204	7.37		4153
8:56	1	18	21.6	5258	7.42		4163
8:56	1	19	21.3	5230	7.36		4137
8:57	1	20	21.2	5212	7.36		4133
8:58	1	21	21.2	5221	7.36		4131
8:59	1	22	21.5	5203	7.34		4121
9:00	.75	22.75	20.5	5242	7.35		4136

Actual Purge Volume 22.75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 9:00 2-26-15 Purged/Sampled By ST

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-09 Date Gauged 2-25-15
 Site Big Sky Time Gauged 10:38
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 27.74 feet Height of Fluid Column 11.64 feet
 Total Depth 39.38 feet Volume in Well 7.6824 gallons
 (3 Well Volumes = 23 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:48 2-25-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:01	16	16	21.1	6888	7.54		5600
11:02	1	17	20.2	7011	7.59		5710
11:03	1	18	20.7	6959	7.58		5668
11:04	1	19	20.8	6942	7.57		5648
11:05	1	20	20.6	6911	7.60		5617
11:06	1	21	20.5	6903	7.58		5614
11:07	1	22	20.4	6897	7.59		5610
11:08	1	23	20.3	6894	7.60		5606

Actual Purge Volume 23 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 11:08 2-25-15 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 2-25-15
 Site Big Sky Time Gauged 9:42
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 22.51 feet Height of Fluid Column 14.44 feet
 Total Depth 36.95 feet Volume in Well 9.5304 gallons
 (3 Well Volumes = 28.59 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:47 2-25-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TD ⁵ DO (mg/L)
10:01	22	22	16.0	4337	7.52		3382
10:02	1	23	16.4	4333	7.52		3384
10:03	1	24	16.8	4341	7.54		3392
10:04	1	25	16.7	4332	7.53		3382
10:05	1	26	16.9	4334	7.52		3386
10:06	1	27	16.9	4340	7.55		3391
10:07	1	28	16.8	4332	7.51		3382
10:08	.5	28.5	17.0	4332	7.52		3380

Actual Purge Volume 28.5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:08 2-25-15 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

LAB Order ID # _____

TraceAnalysis, Inc.
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

Company Name: _____
 D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln., El Paso, Texas 79907

Contact Person: **Victor Ayala**
 Phone #: 915-859-8150
 Cell #: _____
 Fax #: _____
 E-mail: vayala@dhpump.com

Project Name: **George Segura 575-233-3620**
Big Sky Dairy
 Project Location (including state):
Big Sky Dairy, 17800 Stern Drive, Mesquite, NM

Project #: **461601**
 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
	802-10 833-06	1	250	X				X		X			2-24-15	12:06
	802-10 833-06	1	500	X				X		X			2-24-15	12:06
	802-10	1		X				X		X				
	802-10	1		X				X		X				
	802-10 833-10000	1		X				X		X				
	802-10 833-10000	1		X				X		X				
	802-10	1		X				X		X				

ANALYSIS REQUEST

MTBE 8021B/602	
BTEX 8021B/602	
TPH 418.1 / TX1005	
TX 1005 Extended (C35)	
PAH 8270C	
PAH 8270 (Low Level Analysis)	
Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	X
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
Phosphorus SM 4500	
Turn Around Time	
Hold	

Remarks: **ON JLG**

Lab Use Only
 Intact N
 Headspace Y / N
 Temp **22.4°C**
 Log-in Review **over in**

Received By: **MCC TRAP 2/24/15 12:54**
 Received at Laboratory By: _____
 Relinquished By: **Jay**
 Relinquished By: **MCC TRAP 2/24/15 16:30**

Received By: _____
 Received at Laboratory By: _____
 Relinquished By: _____
 Relinquished By: _____

TraceAnalysis, Inc.
 Paso, TX 79932
 Tel (915) 585-3443
 Fax (915) 585-4844

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): George Segura 575-233-3620
 Big Sky Dairy, P.O. Box 10, Mesquite, NM 88048 Project Name: Big Sky Dairy
 Project #: 461601 Sampler Signature: *July*

Project Location (including state):
 Big Sky Dairy, 17800 Stern Drive, Mesquite, NM

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING			
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
833-1		1	250	X				X						2-25-15	12:02
833-2		1	500	X				X							12:02
833-2		1	250	X				X						9:34	9:34
833-2		1	500	X				X						9:34	9:34
833-9		1	250	X				X						11:08	11:08
833-9		1	500	X				X						11:08	11:08
833-4		1	250	X				X						13:40	13:40
833-4		1	500	X				X						13:40	13:40
833-10		1	250	X				X						10:08	10:08
833-10		1	500	X				X						10:08	10:08
833-6		1		X				X							
833-6		1		X				X							
833-7		1		X				X							
833-7		1		X				X							
833-8		1		X				X							
833-8		1		X				X							
833-9		1		X				X							
833-9		1		X				X							
833-9		1		X				X							
833-9		1		X				X							

Relinquished By: *July* Date: 2-25-15 Time: 14:10
 Received at Laboratory By: *D. B. L. J.A.* Date: 2-25-15 Time: 14:10
 Lab Use Only
 Intact Y N I N R
 Headspace Y N
 Temp 4/2
 Log-in Review

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
Total Kjeldahl Nitrogen SM 4500 NOR G C	X
Chloride EPA 300.0	X
Total Dissolved Solids SM 2540 C MOD	X
Turn Around Time	
Hold	

Remarks:
 Dry Weight Basis Required
 TRRP Report Required

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 #: 461601
Project Name: Big Sky Dairy
Project Location (including state): Big Sky Dairy, 17800 Stern Drive, Mesquite, NM
Sampler Signature: *July*

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
	833-05	1		X				X		X			2-26-15	10:00
	833-05	1		X				X		X				10:00
	833-6	1		X				X		X				9:00
	833-8	1		X				X		X				9:00
	833 Lagoon	1	250	X				X		X				9:33
	833 Lagoon	1	500	X				X		X				9:33
	833 Lagoon	1	250	X				X		X				9:33

Relinquished By: <i>July</i>	Date: 2-26-15	Time: 14:10	Received By: <i>D. J. ...</i>	Date: 2-26-15	Time: 14:10
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	Total Kjeldahl Nitrogen SM 4500 NORG C	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Phosphorus SM 4500	Turn Around Time	Hold
								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:

Lab Use Only
 Intact: Y N
 Headspace: Y N
 Temp: 12-1 33
 Log-in Review:

Dry Weight Basis Required
 TRRP Report Required

Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

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

Project Name: George Segura 575-233-3620
 Project #: 461897
 Project Location (including state): Big Sky Dairy, 17800 Stern Drive, Mesquite, NM

Sampler Signature: _____
 Project Name: Big Sky Dairy
 Project Location (including state): Big Sky Dairy, 17800 Stern Drive, Mesquite, NM

LAB #	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING			
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
	IRR WELL LRG-4001-S-2	1		X						X	X		3-9-15	14:00
	IRR WELL LRG-4001-S-2	1		X				X		X			3-9-15	14:00

MTBE 8021B/602
 BTEX 8021B/602
 TPH 418.1 / TX1005
 Nitrate as Nitrogen EPA 300.0

ANALYSIS REQUEST	
Nitrate as Nitrogen EPA 300.0	X
Sulfate	
Salinity	
EC	
pH	
Carbonates	
SAR	
Potassium	
Phosphorus SM 4500	
Total Nitrogen	
Total Kjeldahl Nitrogen SM 4500 NORG C	X
Turn Around Time	
Hold	

Relinquished By: *JWJ* Date: 3-9-15 Time: 15:00
 Received By: *D. J. H. T.A.* Date: 3-9-15 Time: 15:00

Lab Use Only
 Intact Y N
 Headspace Y N
 Temp 3/3 24
 Log-in Review _____

Remarks: _____

Dry Weight Basis Required
 TRRP Report Required

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-01 Date Gauged 2-25-15

Site Big Sky Time Gauged 11:22

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 0 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)	TDS 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 833-02 Date Gauged 2-25-15
 Site Big Sky Time Gauged 8:33
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 35.42 feet Height of Fluid Column 22.29 feet
 Total Depth 57.71 feet Volume in Well 14.7114 gallons
 (3 Well Volumes = 44 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:44 2-25-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:20	37	37	17.9	4566	8.30		3578
9:22	1	38	18.1	4642	8.27		3640
9:24	1	39	18.1	4650	8.26		3658
9:26	1	40	17.6	4648	8.26		3648
9:28	1	41	17.4	4657	8.24		3655
9:30	1	42	17.5	4661	8.23		3658
9:32	1	43	17.4	4665	8.21		3660
9:34	1	43 44	17.3	4666	8.20		3662

Actual Purge Volume 44 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 9:34 2-25-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations 65'

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 2-23-15
 Site Big Sky Time Gauged 11:30
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 0 feet Height of Fluid Column _____ feet
 Total Depth 62.74 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)	TDS 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 833-001 Date Gauged 2-25-15
 Site Big Sky Time Gauged 12:26
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 43.67 feet Height of Fluid Column 9.98 feet
 Total Depth 53.65 feet Volume in Well 6.5868 gallons
 (3 Well Volumes = 19.7604 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:33 2-25-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
13:15	13	13	19.6	4268	7.64		3328
13:19	1	14	19.3	4261 4261	7.61		3320
13:23	1	15	19.0	4256	7.60		3317
13:27	1	16	18.9	4252	7.59		3314
13:30	1	17	18.6	4248	7.57		3311
13:34	1	18	18.8	4243	7.56		3307
13:37	1	19	18.6	4239	7.55		3304
13:40	75	19.75	18.5	4238	7.54		3302

Actual Purge Volume 19.75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 13:40 2-25-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-05 Date Gauged 2-26-15
 Site By Sky Time Gauged 9:41
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 65.99 feet Height of Fluid Column 7.75 feet
 Total Depth 73.74 feet Volume in Well 5.115 gallons
 (3 Well Volumes = 15.34 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:46 2-26-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:53	9	9	23.7	4849	7.20		3819
9:54	1	10	23.2	4843	7.16		3822
9:55	1	11	22.7	4816	7.16		3783
9:56	1	12	22.8	4813	7.17		3793
9:57	1	13	22.0	4810	7.22		3801
9:58	1	14	22.1	4808	7.21		3802
9:59	1	15	22.0	4806	7.23		3804
10:00	15	15.25	21.9	4804	7.24		3807

Actual Purge Volume 15.25 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:00 2-26-15 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 833-06 Date Gauged 2-24-15
 Site Big Sky Time Gauged 11:21
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 79.93 feet Height of Fluid Column 9.16 feet
 Total Depth 85.07 feet Volume in Well 6.0456 gallons
 (3 Well Volumes = 18 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:28 2-24-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:52	11	11	20.8	4280	7.85		3330
11:54	1	12	20.3	4418	7.42		3451
11:56	1	13	20.4	4508	7.39		3528
11:58	1	14	20.8	4538	7.40		3553
12:00	1	15	20.6	4544	7.43		3556
12:02	1	16	20.5	4547	7.44		3559
12:04	1	17	20.7	4550	7.47		3544
12:06	1	18	20.2	4553	7.48		3548

Actual Purge Volume 18 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 12:06 2-24-15 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 833-07 Date Gauged 2-25-15
 Site Big sky Time Gauged 11:36
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 61.6 feet Height of Fluid Column 11.82 feet
 Total Depth 73.42 feet Volume in Well 7.8012 gallons
 (3 Well Volumes = 23.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:42 2-25-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:55	16	16	19.7	6816	7.63		5283
11:56	1	17	21.0	6505	7.47		5264
11:57	1	18	21.0	6494	7.37		5250
11:58	1	19	21.2	6497	7.35		5260
11:59	1	20	21.3	6452	7.34		5220
12:00	1	21	21.4	6454	7.32		5219
12:01	1	22	21.0	6460	7.36		5227
12:02	.5	23.5	20.5	6457	7.40		5223

Actual Purge Volume 23.5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 12:02 2-25-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-8 Date Gauged 2-26-15
 Site Big Sky Time Gauged 8:25
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 61.4 feet Height of Fluid Column 11.61 feet
 Total Depth 72.91 feet Volume in Well 7.5966 gallons
 (3 Well Volumes = 22.78 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:39 2-26-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
8:54	16	16	21.3	5144	7.37		4124
8:55	1	17	20.6	5204	7.37		4124 4153
8:56	1	18	21.6	5258	7.42		4163
8:58	1	19	21.3	5230	7.38		4137
8:57	1	20	21.2	5212	7.36		4133
8:58	1	21	21.2	5221	7.36		4131
8:59	1	22	21.5	5203	7.34		4121
9:00	.75	22.75	20.5	5242	7.35		4136

Actual Purge Volume 22.75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 9:00 2-26-15 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 833-09 Date Gauged 2-25-15
 Site Big Sky Time Gauged 10:38
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 27.74 feet Height of Fluid Column 11.64 feet
 Total Depth 39.38 feet Volume in Well 7.6824 gallons
 (3 Well Volumes = 23 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:48 2-25-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:01 11:01	16	16	21.1	6888	7.54		5600
11:02	1	17	20.2	7011	7.59		5710
11:03	1	18	20.7	6959	7.58		5665
11:04	1	19	20.8	6942	7.57		5648
11:05	1	20	20.6	6911	7.60		5617
11:06	1	21	20.5	6903	7.58		5614
11:07	1	22	20.4	6897	7.59		5610
11:08	1	23	20.3	6894	7.60		5606

Actual Purge Volume 23 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 11:08 2-25-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 833-10 Date Gauged 2-25-15
 Site Big Sky Time Gauged 9:42

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 22.51 feet Height of Fluid Column 14.44 feet
 Total Depth 36.95 feet Volume in Well 9.5304 gallons
 (3 Well Volumes = 28.59 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:47 2-25-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS BO (mg/L)
10:01	22	22	16.0	4337	7.52		3382
10:02	1	23	16.4	4333	7.52		3384
10:03	1	24	16.8	4341	7.54		3392
10:04	1	25	16.7	4332	7.53		3382
10:05	1	26	16.9	4334	7.52		3386
10:06	1	27	16.9	4340	7.55		3391
10:07	1	28	16.8	4332	7.51		3382
10:08	.5	28.5	17.0	4332	7.52		3380

Actual Purge Volume 28.5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:08 2-25-15 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 Abercree, 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 #: _____
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):
Bright Star Dairy, P.O. Box 167, Mesquite, NM 88048

Project Name: Tim Hyde 575-233-2029
Bright Star Dairy
Sampler Signature: *Tim Hyde*

Project #: 461598

Project Location (including state):
Bright Star Dairy, 13520 Stern Drive, Mesquite, NM

LAB # (LAB USE ONLY)	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
	340-1	1	250	X				X		X			2-9-15	13:38		
	340-1	1		X				X		X			13:38			
	340-2	1		X				X		X			14:14			
	340-2	1		X				X		X			14:14			
	70/86/340	1		X				X		X			12:26			
	70/86/340	1		X				X		X			12:26			
	86/340	1		X				X		X			10:54			
	86/340	1		X				X		X			10:54			
	340 Lagoon	1		X				X		X			13:55			
	340 Lagoon	1		X				X		X			13:55			
	340 Lagoon	1		X				X		X			13:55			

ANALYSIS REQUEST

MTBE 8021B/602																	
BTEX 8021B/602																	
TPH 418.1 / TX1005																	
TX 1005 Extended (C35)																	
PAH 8270C																	
PAH 8270 (Low Level Analysis)																	
Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	X																
Nitrates EPA 300	X																
Total Kjeldahl Nitrogen SM 4500 NORG C	X																
Chloride EPA 300.0	X																
Total Dissolved Solids SM 2540 C MOD	X																
Other - Phosphorus (EPA 6010B)																	

Reinquisitioned By: *Tim Hyde* Date: 2-9-15 Time: 14:30
 Received By: *Victor Ayala* Date: 2-9-15 Time: 14:30
 Received at Laboratory By: *Victor Ayala* Date: 2-9-15 Time: 14:30
 Lab Use Only: Intact Y / N
 Headspace Y / N
 Temp 3/4 *35.2*
 Log-in Review _____
 Dry Weight Basis Required _____
 TRRP Report Required _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 186/340-1 Date Gauged 2-9-15
 Site Bright Star Time Gauged 9:36

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 56.31 feet Height of Fluid Column 14.7 feet
 Total Depth 71.01 feet Volume in Well 9.702 gallons
 (3 Well Volumes = 29 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:42 2-9-15 Purged Method Ball

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:29	22	22	20.6	4730	7.60		3719
10:33	1	23	19.8	3428	7.72		2618
10:37	1	24	19.4	3321	7.75		2528
10:40	1	25	19.7	3313	7.73		2524
10:44	1	26	19.9	3314	7.72		2521
10:48	1	27	20.0	3322	7.74		2526
10:51	1	28	19.8	3312	7.77		2518
10:54	1	29	19.7	3310	7.78		2520

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

Time/Date Sampled 10:54 2-9-15 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 70186/34011 Date Gauged 2-9-15
 Site Bright Star Time Gauged 11:01
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 49.67 feet Height of Fluid Column 18.05 feet
 Total Depth 67.72 feet Volume in Well 11.913 gallons
 (3 Well Volumes = 35.75 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:07 2-9-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:02	28	28	20.8	7794	7.39		6435
12:06	1	29	20.9	7654	7.37		6309
12:10	1	30	20.7	7608	7.39		6265
12:13	1	31	20.8	7548	7.42		6210
12:16	1	32	20.7	7520	7.41		6182
12:19	1	33	20.6	7513	7.43		6173
12:23	1	34	20.8	7504	7.43		6170
12:26	1	35	20.7	7496	7.44		6161

Actual Purge Volume 35 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 12:26 2-9-15 Purged/Sampled By JV

Sample Method _____

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 340-01 Date Gauged 2-9-15
 Site Bright Star Time Gauged 13:03

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 43.57 feet Height of Fluid Column 4.46 feet
 Total Depth 48.03 feet Volume in Well 2.9436 gallons
 (3 Well Volumes = 8.83 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:08 2-9-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:14	2	2	21.8	4656	7.80		3674
13:17	1	3	21.9	4191	7.68		3257
13:20	1	4	21.5	4127	7.76		3204
13:23	1	5	22.1	4116	7.69		3192
13:27	1	6	21.7	4110	7.73		3183
13:31	1	7	21.6	4100	7.71		3180
13:34	1	8	21.5	4096	7.70		3177
13:38	1	9	21.4	4094	7.68		3172

Actual Purge Volume 9 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 13:38 2-9-15 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 340-02 Date Gauged 2-9-15
 Site Bright Star Time Gauged 14:01
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 55.01 feet Height of Fluid Column 1.8 feet
 Total Depth 56.81 feet Volume in Well 1.188 gallons
 (3 Well Volumes = 3.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:09 2-9-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:14 14:14	1	1	22.4	4983	7.70		3940
	1	2					
	1	3					
	.5	3.5					

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

Time/Date Sampled ~~14:14~~ 14:14 2-9-15 Purged/Sampled By JV

Sample Method BAIL

Requested Analyses _____

Comments/Observations The well was being dry. The well was not recovering.

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.
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

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

Project Name: Buena Vista Dairy #2
 Sampler Signature: *[Signature]*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD					DATE	SAMPLING TIME	Turn Around Time	Hold
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICF				
74-1		1		X				X			X	2/13/15	11:41		
74-1		1		X				X			X	2/13/15	11:41		
74-2		1		X				X			X	2/13/15	10:50		
74-2		1		X				X			X	2/13/15	10:30		
74-3		1		X				X			X	2/13/15	9:45		
74-3		1		X				X			X	2/13/15	9:45		
74-4		1		X				X			X				
74-4		1		X				X			X				
74-5		1		X				X			X				
74-5		1		X				X			X				
74 Lagoon		1		X				X			X	2/13/15	11:52		
74 Lagoon		1		X				X			X	2/13/15	11:52		

ANALYSIS REQUEST
 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

PAH 8270 (Low Level Analysis)
 PAH 8270C
 TX 1005 Extended (C35)
 TPH 418.1 / TX1005
 BTEX 8021B/602
 MTBE 8021B/602

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

Received By: *[Signature]* Date: 2/13/15 Time: 12:52
 Received at Laboratory By: *[Signature]* Date: 2-12-15 Time: 12:52

Lab Use Only
 Intact Y N
 Headspace Y N
 Temp 2-1 4/4
 Log-in Review

Remarks:

Dry Weight Basis Required
 TRRP Report Required

BioAquatic Testing
2501 Mayes Rd., Ste 10N
Carrollton, Texas 75006
Tel (972) 242-7750

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

Trace Analysis, Inc.

email: lab@traceanalysis.com

Company Name: Trace Analysis, Inc. Phone #: 817-457-5856

Address: 2111 W. 15th Street, Suite 101 (Street, City, Zip) Fax #:

Contact Person: Michelle E-mail: Michelle@TraceAnalysis.com

Invoice to: Michelle Project Name: 575-222-1111

(If different from above) PO Box 2111, Suite 101, Ft. Worth, TX 76116 Project Signature: Michelle

Project #: 11111

ANALYSIS REQUEST (Circle or Specify Method No.)

Method No.	Method Name	Turn Around Time
1	MTBE 8021 / 602 / 8260 / 624	
2	BTEX 8021 / 602 / 8260 / 624	
3	TPH 418.1 / TX1005 / TX1005 Ext(C35)	
4	TPH 8015 GRO / DRO / TVHC	
5	PAH 8270 / 625	
6	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	
7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
8	TCLP Volatiles	
9	TCLP Semi Volatiles	
10	TCLP Pesticides	
11	RCI	
12	GC/MS Vol. 8260 / 624	
13	GC/MS Semi. Vol. 8270 / 625	
14	PCBs 8082 / 608	
15	Pesticides 8081 / 608	
16	BOD, TSS, PH	
17	Moisture Content	
18	Cl, F, SO ₄ , NO ₃ -N, NO ₂ -N, PO ₄ -P, Alkalinity	
19	Na, Ca, Mg, K, TDS, EC	
20	Nitrate, Nitrite, Ammonia	
21	TKN SM 4500 NH ₃ C	
22	Chloride SM 2540 C MMD	
23	Turn Around Time if different from standard	

REMARKS:

LAB USE ONLY

Field Code	# CONTAINERS	Volume / Amount	MATRIX	PRESERVATIVE METHOD	SAMPLING DATE	TIME	Received by:	Date:	Company:	INST	OBS	COR
7101	1	200	WATER	H ₂ SO ₄	7/15/05	11:30	Michelle	7/15/05	Trace			
7102	1	200	WATER	H ₂ SO ₄	7/15/05	11:30	Michelle	7/15/05	Trace			
7103	1	200	WATER	H ₂ SO ₄	7/15/05	11:30	Michelle	7/15/05	Trace			
7104	1	200	WATER	H ₂ SO ₄	7/15/05	11:30	Michelle	7/15/05	Trace			

Relinquished by: Michelle Date: 7/15/05 Time: 11:30

Relinquished by: Michelle Date: 7/15/05 Time: 11:30

Relinquished by: Michelle Date: 7/15/05 Time: 11:30

Intact Y/N

Headspace Y/N/NA

Log-in-Review:

Dry Weight Basis Required

TRRP Report Required

Check if Special Reporting Limits Are Needed

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-01 Date Gauged 2/13/15
 Site Buena Vista II Time Gauged 10:36
 Depth to PSH 2 feet Well Diameter 4" inches
 Depth to Water 35.44 feet Height of Fluid Column 9.68 feet
 Total Depth 45.12 feet Volume in Well 6.38 gallons
 (3 Well Volumes = 19.10 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:43 2/13/15 Purged Method Benlon

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
10:45	3.0		21.4	3829	7.51		5712
10:55	3.0		21.5	5481	7.56		4821
11:05	3.0		21.1	5538	7.52		4790
11:15	3.0		20.9	5596	7.50		4631
11:25	3.0		20.7	5602	7.49		4560
11:35	3.0		20.5	5606	7.48		4494
11:40	6.0		20.7	5603	7.49		4490

Actual Purge Volume 19.0 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 11:41 2/13/15 Purged/Sampled By [Signature]

Sample Method Benlon

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-02 Date Gauged 2/13/15
 Site Burda Vista II Time Gauged 9:52
 Depth to PSH 2 feet Well Diameter 4" inches
 Depth to Water 16.09 feet Height of Fluid Column 4.13 feet
 Total Depth 20.14 feet Volume in Well 2.72 gallons
 (3 Well Volumes = 8.17 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:57 2/13/15 Purged Method Bailer

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
10:00	2		18.7	3249	7.86		2876
10:07	2		18.3	3221	7.81		2874
10:14	2		17.9	3217	7.74		2863
10:21	2		18.1	3213	7.72		2856
10:25	.25		17.8	3212	7.69		2855

Actual Purge Volume 8.25 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:30 2/13/15 Purged/Sampled By [Signature]

Sample Method Bailer

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-03 Date Gauged 2/13/15
 Site Burasa Vista II Time Gauged 9:07
 Depth to PSH 0 feet Well Diameter 4 inches
 Depth to Water 15.74 feet Height of Fluid Column 4.35 feet
 Total Depth 20.09 feet Volume in Well 2.87 gallons
 (3 Well Volumes = 8.61 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:12 2/13/15 Purged Method Bailer

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:15	2		18.5	6807	7.67		5528
9:21	2		17.1	6812	7.61		5530
9:27	2		16.7	6814	7.55		5532
9:33	2		16.0	6810	7.59		5529
9:40	5		16.1	6808	7.60		5531

Actual Purge Volume 8.5 gals Field Measurements stabilized within ± 10% _____
 Time/Date Sampled 9:45 2/13/15 Purged/Sampled By [Signature]
 Sample Method Bailer
 Requested Analyses _____
 Comments/Observations _____

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-04 Date Gauged 2-16-15
 Site Buena Vista II Time Gauged 9:40
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water ~~47.88~~ 74.88 feet Height of Fluid Column 9.95 feet
 Total Depth 57.83 feet Volume in Well 6.567 gallons
 (3 Well Volumes = 19.7 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:47 2-16-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:04	13	13	20.1	3173	7.55		2425
10:05	1	14	20.3	3178	7.53		2405
10:07	1	15	20.6	3190	7.56		2431
10:09	1	16	20.3	3171	7.53		2409
10:11	1	17	20.2	3172	7.52		2410
10:13	1	18	20.1	3174	7.51		2411
10:15	1	19	20.0	3175	7.49		2413
10:16	7.5	19.75	20.0	3177	7.48		2415

Actual Purge Volume 19.75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:16 2-16-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations 60'

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 74-05 Date Gauged 2-16-15
 Site Burns Vista II Time Gauged 10:30
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 40.81 feet Height of Fluid Column 16.15 feet
 Total Depth 56.96 feet Volume in Well 10.659 gallons
 (3 Well Volumes = 31.97 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:37 2-16-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:02	23	23	20.4	3219	7.69		2473
11:04	1	24	20.2	3212	7.70		2469
11:06	1	25	20.2	3208	7.65		2462
11:08	1	26	20.5	3205	7.50		2450
11:10	1	27	20.4	3206	7.51		2447
11:12	1	28	20.3	3204	7.52		2445
11:14	1	29	20.2	3202	7.53		2442
11:15	1	30	20.1	3200	7.52		2441

Actual Purge Volume 30 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 11:15 2-16-15 Purged/Sampled By Pump

Sample Method Pump

Requested Analyses _____

Comments/Observations 60'

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-Lagoo Date Gauged 2/13/15
 Site Buena Vista II Time Gauged

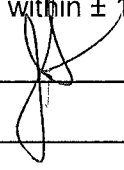
Depth to PSH feet Well Diameter inches
 Depth to Water feet Height of Fluid Column feet
 Total Depth feet Volume in Well gallons
 (3 Well Volumes = gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged Purged Method Bailor

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 11:52 2/13/15 Purged/Sampled By 

Sample Method Bailor

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

TraceAnalysis, Inc.
 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 TX 79907
 Contact Person: Victor Ayala
 Phone #: 915-859-8150
 Cell #: 915-859-8150
 Fax #: 915-859-4944
 E-mail: vajala@dhpump.com

Project #: NA
 Project Location (including state): Dona Ana Dairies, PO Box 10, Mesquite, NM 88048
 Project Name: Dona Ana Dairies Consortium
 Sampler Signature: *[Signature]*

LAB # (LAB USE ONLY)	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
DAD-09		1	250	X				X		X			3-4-15	6:57		
DAD-09		1	250	X				X		X			6:57	6:57	X	X
DAD-10		1	250	X				X		X			8:26	8:26	X	X
DAD-10		1	250	X				X		X			8:26	8:26	X	X
DAD-20		1	250	X				X		X			7:40	7:40	X	X
DAD-20		1	250	X				X		X			7:40	7:40	X	X
DAD-21		1	250	X				X		X			6:36	6:36	X	X
DAD-21		1	250	X				X		X			6:36	6:36	X	X
DAD-05		1	250	X				X		X			11:32	11:32	X	X
DAD-05		1	250	X				X		X			11:32	11:32	X	X
DAD-04		1	250	X				X		X			10:26	10:26	X	X
DAD-04		1	250	X				X		X			10:26	10:26	X	X
DAD-03		1	250	X				X		X			10:49	10:49	X	X
DAD-03		1	250	X				X		X			10:49	10:49	X	X
DAD-02		1	250	X				X		X			9:20	9:20	X	X
DAD-02		1	250	X				X		X			9:20	9:20	X	X

Relinquished By: *[Signature]* Date: 3-4-15 Time: 12:10
 Received at Laboratory By: *[Signature]* Date: 3-4-15 Time: 12:10
 Lab Use Only Intact N
 Headspace Y N
 Temp *21.2°C*
 Log-in Review

LAB Order ID # _____
 ANALYSIS REQUEST
 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

Remarks: _____
 Dry Weight Basis Required
 TRRP Report Required

Company Name:
 D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907
 Contact Person:
 Victor Ayala
 Invoice to (if different from above):
 Dona Ana Dairies, PO Box 10, Mesquite, NM 88048
 Project #:
 Project Location (including state):
 Various Dairies, Dona Ana County, NM

TraceAnalysis, Inc.

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

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

LAB Order ID # _____

LAB #	Field Code	# Containers	Volume/Amount	MATRIX	PRESERVATIVE METHOD	SAMPLING DATE	SAMPLING TIME
DAD-01		1	250	WATER	HCl	3-4-15	8:58
DAD-01		1	250	WATER	H ₂ SO ₄	3-4-15	8:58
DAD-02		1		WATER	NaOH		
DAD-03		1		WATER	ICF		
DAD-04		1		WATER	NONE		
DAD-05		1		WATER	HCl		
DAD-06		1		WATER	H ₂ SO ₄		
DAD-07		1		WATER	NaOH		
DAD-08		1		WATER	ICF		
DAD-09		1		WATER	NONE		
DAD-10		1		WATER	HCl		
DAD-11		1		WATER	H ₂ SO ₄		
DAD-12		1		WATER	NaOH		
DAD-13		1		WATER	ICF		
DAD-14		1		WATER	NONE		

LAB USE ONLY	MTBE 8021B/602	BTEX 8021B/602	FPH 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		
								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: *gvt* Date: 3-4-15 12:10
 Received By: *[Signature]* Date: 3-4-15 12:10
 Lab Use Only Intact Y N
 Headspace Y N
 Temp *2/2* *Full*
 Log-in Review

Remarks: _____

Dry Weight Basis Required
 TRRP Report Required

Carry for

TraceAnalysis, Inc.

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1286

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAqualic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

email: lab@traceanalysis.com

Company Name: Vector Analysis Phone #: 815 454-6150
 Address: 1221 Timber Trail Ln, Ft Worth, TX 76102 Fax #: 815 454-6150
 Contact Person: Victor Ayala E-mail: vector@clhpump.com
 Invoice to: Vector Analysis
 (If different from above)
 Project #: NA Project Name: 575-233-3620

Project Location (including state): Various Devices, Dallas, TX
 Sampler Signature: [Signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	VOLUME / AMOUNT	MATRIX	PRESERVATIVE METHOD	DATE	SAMPLING TIME	MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 EXT(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, F, SO ₄ , NO ₃ -, NO ₂ -, PO ₄ -, P, Alkalinity	Na, Ca, Mg, K, TDS, EC	Nitrates EPA 200.7	TKN SM 1500 NPKC C	Chloride EPA 200.0	TDS SM 2540 CMVD	Turn Around Time if different from standard	Hold				
	Dad-07	1	750	WATER	HNO ₃	2-5-15-17-18																														
	Dad-07	1	750	WATER	HNO ₃																															
	Dad-08	1	750	WATER	HNO ₃																															
	Dad-08	1	750	WATER	HNO ₃																															
	Dad-11	1	750	WATER	HNO ₃																															
	Dad-11	1	750	WATER	HNO ₃																															
	Dad-14	1	750	WATER	HNO ₃																															
	Dad-14	1	750	WATER	HNO ₃																															
	Dad-14	1	750	WATER	HNO ₃																															
	Dad-14	1	750	WATER	HNO ₃																															
	Dad-14	1	750	WATER	HNO ₃																															

LAB USE ONLY

Relinquished by: DAV Company: NAH Date: 3-5-15 Time: 13:55
 Received by: _____ Company: _____ Date: _____ Time: _____
 INST OBS COR INST OBS COR INST OBS COR
 INST OBS COR INST OBS COR INST OBS COR
 INST OBS COR INST OBS COR INST OBS COR

REMARKS:

NO

Dry Weight Basis Required
 TRRP Report Required
 Check if Special Reporting Limits Are Needed

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-3944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: TraceAnalysis, Inc. Phone #: 817-859-0100

Address: 200 East Sunset Rd., Suite E, El Paso, TX 79922 Fax #: 915-585-3944

Contact Person: TraceAnalysis, Inc. E-mail: lab@traceanalysis.com

Invoice to: Mr. A. J. ...

Project #: 575-230-3474

Project Location (including state): MA

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	TIME	
	D-17	1	250	X				X				X			3-5-15	10:23
	D-17	1	250	X				X				X			10:23	
	D-17	1	250	X				X				X			10:51	
	D-17	1	250	X				X				X			10:57	

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE	8021 / 602 / 8260 / 624	
BTEX	8021 / 602 / 8260 / 624	
TPH 418.1 / TX1005 / TX1005 Ext(C35)		
TPH 8015 GRO / DRO / TVHC		
PAH 8270 / 625		
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/2007		
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		
Nitrates EPA 3000	X	
TKN SM USDO NDRG C	X	
(Methyl) EPA 3000	X	
TDS SM 2540 D WSP	X	
Turn Around Time if different from standard		

REMARKS:

LAB USE ONLY

Intact Y/N

Headspace Y/N/NA

Log-In-Review Y/N

Dry Weight Basis Required Y/N

TRRP Report Required Y/N

Check if Special Reporting Limits Are Needed Y/N

Carrier # _____

Company Name: TraceAnalysis, Inc. 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: valala@dhpump.com
 Contact Person:
 Victor Ayala
 Invoice to (if different from above):
 Dona Ana Dairies, PO Box 10, Mesquite, NM 88048 Linda Armstrong 575-233-3620
 Project #: 461098 Project Name: Dona Ana Dairies Consortium
 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
	Dad-12	1	250	X				X				X		3-6-15	9:03
	Dad-12	1	250	X				X				X		9:03	9:03
	Dad-13	1	250	X				X				X		8:34	8:34
	Dad-13	1	250	X				X				X		8:34	8:34
	Dad-15	1	250	X				X				X		10:05	10:05
	Dad-15	1	250	X				X				X		10:05	10:05
	Dad-19	1	250	X				X				X		7:58	7:58
	Dad-19	1	250	X				X				X		7:58	7:58

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

Relinquished By: [Signature] Date: 3-6-15 Time: 11:25

Received By: [Signature] Date: 3-6-15 Time: 11:25

Lab Use Only
 Intact N
 Headspace Y N
 Temp 1/2 C 22
 Log-in Review

Remarks:

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dnd-01 Date Gauged 3-4-15
 Site ~~10/9/92~~ Time Gauged 8:42
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 71.08 feet Height of Fluid Column 4.3 feet
 Total Depth 76.18 feet Volume in Well 0.731 gallons
 (3 Well Volumes = 2.19 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:48 3-4-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
8:52	1	1	24.6	2758	7.48		2087
8:56	1	2	23.5	2931	7.36		2210
8:58	.25	2.25	23.2	2937	7.34		2213

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

Time/Date Sampled 8:58 3-4-15 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 3-4-15
 Site _____ Time Gauged 9:10
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 66.41 feet Height of Fluid Column 1.67 feet
 Total Depth 68.08 feet Volume in Well 0.2839 gallons
 (3 Well Volumes = 0.8517 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:15 3-4-15 Purged Method Bail

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

Actual Purge Volume 0.25 gals Field Measurements stabilized within ± 10% _____
 Time/Date Sampled 9:20 3-4-15 Purged/Sampled By JV
 Sample Method Bail
 Requested Analyses _____
 Comments/Observations There was only enough water to collect samples.

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-03 Date Gauged 3-4-15

Site _____ Time Gauged 10:40

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 13.0 feet Height of Fluid Column 2.07 feet

Total Depth 15.07 feet Volume in Well 3519 gallons

(3 Well Volumes = 1.00 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:45 3-4-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:49	1	1	24.0	3832	7.65		2949

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

Time/Date Sampled 10:49 3-4-15 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-H Date Gauged 3-4-15
 Site _____ Time Gauged 10:15
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 15.3 feet Height of Fluid Column 3.16 feet
 Total Depth 18.46 feet Volume in Well .572 gallons
 (3 Well Volumes = 1.6 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:22 3-4-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:25	1	1	21.6	2684	7.90		2025
10:26	1.5	1.5	20.1	1743	8.22		1254

Actual Purge Volume 1.5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:26 3-4-15 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~~ Dad-06 Date Gauged 3-4-15
 Site _____ Time Gauged 11:17
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 16.74 feet Height of Fluid Column 6.55 feet
 Total Depth 23.34 feet Volume in Well 1.1135 gallons
 (3 Well Volumes = 3.34 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:21 3-4-15 Purged Method Beil

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:24	1	1	19.3	3540	7.74		2693
11:27	1	2	18.4	3523	7.76		2690
11:31	1	3	17.5	3325	7.75		2530
11:32	134	134	17.1	3275	7.94		2484

Actual Purge Volume 3.34 gals Field Measurements stabilized within ± 10% _____
 Time/Date Sampled 11:32 3-4-15 Purged/Sampled By JV
 Sample Method Beil
 Requested Analyses _____
 Comments/Observations _____

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID Dad-07 Date Gauged 3-5-15
 Site _____ Time Gauged _____
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 92.2 feet Height of Fluid Column 8.47 feet
 Total Depth 100.67 feet Volume in Well 1.43 gallons
 (3 Well Volumes = 4.3 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:50 3-5-15 Purged Method Bril

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
8:54	1	1	19.0	3135	7.52		2371
8:58	1	2	20.8	3088	7.41		2375
9:03	1	3	21.1	3081	7.40		2331
9:07	1	4	20.7	3087	7.39		2409
9:08	.25	4.25	19.9	3097	7.43		2347

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

Time/Date Sampled 9:08 3-5-15 Purged/Sampled By JV

Sample Method Bril

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 Dact-08 Date Gauged 3-5-15
 Site _____ Time Gauged 9:24
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 51.95 feet Height of Fluid Column 3.71 feet
 Total Depth 55.66 feet Volume in Well .6307 gallons
 (3 Well Volumes = 1.89 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:27 3-5-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:30	1	1	20.8	2367	7.67		1952
9:33	1	2	20.6	2361	7.62		1947 1957

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

Time/Date Sampled ~~9:27~~ 9:37 3-5-15 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 3-4-15
 Site _____ Time Gauged 6:43
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 56.88 feet Height of Fluid Column 4.55 feet
 Total Depth 61.43 feet Volume in Well 7735 gallons
 (3 Well Volumes = 2.3205 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 6:50 3-4-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
6:53	1	1	23.3	2977	7.39		2249
6:56	1	2	22.1	2822	7.33		2140
6:57	2.25	2.25	21.8	2850	7.36		2165

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

Time/Date Sampled 6:57 3-4-15 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-10 Date Gauged 3-4-15
 Site _____ Time Gauged 7:52
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 82.13 feet Height of Fluid Column 12.77 feet
 Total Depth 94.90 feet Volume in Well 2.1709 gallons
 (3 Well Volumes = 6.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 7:58 3-4-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
8:02	1	1	23.7	2572	7.62		1933
8:06	1	2	22.3	2562	7.60		1925
8:11	1	3	21.3	2558	7.59		1923
8:15	1	4	20.9	2557	7.64		1922
8:19	1	5	20.8	2551	7.63		1916
8:23	1	6	20.4	2541	7.62		1966
8:26	.5	6.5	20.3	2533	7.61		1960

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

Time/Date Sampled 8:26 3-4-15 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-11 Date Gauged 3-5-15
 Site _____ Time Gauged 12:05
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 22.68 feet Height of Fluid Column 24.68 feet
 Total Depth 47.36 feet Volume in Well 16.28 gallons
 (3 Well Volumes = 48.86 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:10 3-5-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
12:30	42	42	24.7	6198	7.28		5010
12:31	1	43	23.6	6239	7.27		5032
12:32	1	44	22.6	6242	7.26		5040
12:33	1	45	22.1	6251	7.28		5046
12:34	1	46	22.5	6249	7.26		5043
12:35	1	47	22.3	6246	7.25		5040
12:36	1	48	22.1	6242	7.24		5039
12:36	1	49	22.0	6240	7.23		5037

Actual Purge Volume 49 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 12:36 3-5-15 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-12 Date Gauged 3-6-15
 Site _____ Time Gauged 8:45
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 52.33 feet Height of Fluid Column 29.96 feet
 Total Depth 82.29 feet Volume in Well 5.0732 gallons
 (3 Well Volumes = 15.25 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:50 3-6-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
8:57	9	9	21.0	4274	7.36		3342
8:58	1	10	21.2	4283	7.37		3338
8:59	1	11	20.9	4282	7.36		3336
9:00	1	12	20.8	4285	7.35		3335
9:01	1	13	20.3	4276	7.36		3331
9:02	1	14	20.1	4274	7.45		3327
9:03	1	15	19.9	4277	7.42		3330
9:03	1.25	15.25	19.7	4280	7.40		3333

Actual Purge Volume 15.25 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 9:03 3-6-15 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 3-6-15
 Site _____ Time Gauged 8:16

Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 86.22 feet Height of Fluid Column 6.56 feet
 Total Depth 92.78 feet Volume in Well 1.1152 gallons
 (3 Well Volumes = 3.34 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:21 3-6-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
8:25	1	1	18.6	3386	7.59		2585
8:29	1	2	21.3	3302	7.46		2523
8:33	1	3	20.9	3294	7.49		2520
8:34	0.25	3.25	20.7	3295	7.51		2519

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

Time/Date Sampled 8:34 3-6-15 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-14 Date Gauged 3-5-15
 Site _____ Time Gauged 12:48
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 29.94 feet Height of Fluid Column 12.51 feet
 Total Depth 42.45 feet Volume in Well 2.1267 gallons
 (3 Well Volumes = 6.38 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:54 3-5-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
12:57	1	1	23.4	5204	7.64		4129
13:00	1	2	21.2	5196	7.74		4123
13:03	1	3	21.1	5195	7.73		4122
13:06	1	4	21.0	5192	7.70		4120
13:09	1	5	20.7	5190	7.69		4119
13:12	1	6	20.9	5189	7.70		4117
13:15	0.5	6.5	20.8	5187	7.71		4116

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

Time/Date Sampled 13:15 3-5-15 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-15 Date Gauged 3-6-15
 Site _____ Time Gauged 9:17
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 95.67 feet Height of Fluid Column 13.79 feet
 Total Depth 109.46 feet Volume in Well 2.3443 gallons
 (3 Well Volumes = 7 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:30 3-6-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
9:35	1	1	21.8	2915	7.51		2141
9:40	1	2	21.7	2823	7.50		2143
9:45	1	3	21.0	2820	7.53		2140
9:50	1	4	21.4	2832	7.49		2149
9:55	1	5	21.2	2833	7.49		2150
10:00	1	6	21.1	2869	7.50		2165
10:05	1	7	21.3	2859	7.51		2171
			21.0	2855	7.50		2166

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

Time/Date Sampled 10:05 3-6-15 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 3-5-15
 Site _____ Time Gauged 11:26
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 19.09 feet Height of Fluid Column 13.55 feet
 Total Depth 32.64 feet Volume in Well 2.3 gallons
 (3 Well Volumes = 6.91 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:31 3-5-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:33	1	1	16.0	4198	7.68		3276
11:35	1	2	17.2	4204	7.70		3263
11:38	1	3	16.8	4174	7.68		3254
11:41	1	4	17.3	4172	7.67		3245
11:43	1	5	17.2	4174	7.66		3243
11:46	1	6	17.2	4168	7.70		3236
11:48	1	7	16.9	4165	7.71		3237

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

Time/Date Sampled 11:48 3-5-15 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 3-5-15
 Site _____ Time Gauged 9:54
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 21.2 feet Height of Fluid Column 17.03 feet
 Total Depth 38.23 feet Volume in Well 2.8951 gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:59 3-5-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	⁷⁰⁵ DO (mg/L)
10:03	2	2	21.3	3348	7.67		2471
10:06	1	3	21.0	3343	7.63		2470
10:09	1	4	19.8	3332	7.59		2463
10:12	1	5	19.7	3329	7.57		2460
10:15	1	6	19.9	3324	7.56		2457
10:18	1	7	19.6	3319	7.55		2452
10:21	1	8	19.5	3312	7.53		2450
10:23	.75	8.75	19.6	3310	7.52		2449

Actual Purge Volume 8.75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:23 3-5-15 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 3-5-15
 Site _____ Time Gauged 10:35
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 23.70 feet Height of Fluid Column 33.24 feet
 Total Depth 56.94 feet Volume in Well 5.6508 gallons
 (3 Well Volumes = 17 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:43 3-5-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
10:50	10	10	16.0	4625	7.53		3610
10:51	1	11	17.1	4620	7.51		3628
10:52	1	12	17.2	4602	7.49		3614
10:53	1	13	17.4	4604	7.48		3612
10:54	1	14	17.3	4606	7.47		3614
10:55	1	15	17.2	4599	7.46		3607
10:56	1	16	17.0	4600	7.44		3608
10:57	1	17	17.1	4549	7.43		3607

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

Time/Date Sampled 10:57 3-5-15 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 Dnd-11 Date Gauged 3-6-15
 Site _____ Time Gauged 7:35

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 64.76 feet Height of Fluid Column 34.44 feet

Total Depth 99.2 feet Volume in Well 5.8548 gallons

(3 Well Volumes = 17.5644 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 7:45 3-6-15 Purged Method ~~Drift~~ Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
7:51	11	11	19.1	5026	7.37		4028
7:52	1	12	18.7	5037	7.45		3991
7:53	1	13	18.9	5029	7.39		3990
7:54	1	14	18.8	5031	7.44		3981
7:55	1	15	18.4	5033	7.45		3982
7:56	1	16	17.7	5036	7.47		3942
7:57	1	17	17.3	5039	7.50		3986
7:58	.5	17.5	17.0	5034	7.53		3982

Actual Purge Volume 17.5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 7:58 3-6-15 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-20 Date Gauged 3-4-15
 Site _____ Time Gauged 7:07
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 54.21 feet Height of Fluid Column 14.8 feet
 Total Depth 69.01 feet Volume in Well 2.516 gallons
 (3 Well Volumes = 7.548 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 7:13 3-4-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
7:16	1	1	21.3	3814	7.52		2926
7:19	1	2	21.3	3780	7.62		2913
7:23	1	3	21.2	3783	7.67		2907
7:27	1	4	21.1	3784	7.67		2908
7:30	1	5	21.0	3759	7.68		2888
7:34	1	6	20.5	3780	7.71		2905
7:37	1	7	20.5	3784	7.71		2909
7:40	1.5	7.5	20.4	3782	7.72		2908

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

Time/Date Sampled 7:40 3-4-15 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-21 Date Gauged 3-4-15
 Site _____ Time Gauged 6:15
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 57.13 feet Height of Fluid Column 9.39 feet
 Total Depth 66.52 feet Volume in Well 1.5963 gallons
 (3 Well Volumes = 4.75 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 6:22 3-4-15 Purged Method Bowl

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
6:25	1	1	20.4	2984	7.50		2249
6:28	1	2	20.4	2958	7.46		2231
6:31	1	3	20.6	2952	7.44		2225
6:34	1	4	20.2	2949	7.50		2223
6:36	0.75	4.75	19.9	2950	7.47		2222

Actual Purge Volume 4.75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 6:36 3-4-15 Purged/Sampled By JV

Sample Method Bowl

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

TraceAnalysis, Inc.

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

email: lab@traceanalysis.com

Company Name:

Don't Print - Environmental

Address: (Street, City, Zip)

1221 Power Trail Ln, El Paso, Tx, 79907

Contact Person:

Victor Ayala

Invoice to:

Donna Ann Deanes

(If different from above) P.O. Box 11, Mesquite, NM, 88048

Project #:

NA

Project Location (including state):

Mesquite, NM

Project Name:

Donna Ann Deanes

Sampler Signature:

[Signature]

E-mail: valayala@ehpump.com

Linda Armstrong 575-289-3620

Phone #:

915-859-8150

Fax #:

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE	8021 / 602 / 8260 / 624	
BTEX	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		
PCBs 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		
NITRATES FBI 3110		
TKN SM 4500 NORK C		
Chloride EPA 300		
TDS Dissolved Solids SM 2541 C and		
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	DATE	TIME	
	DAD-22	1	750	X				X				X			3-3-15	13:47
	DAD-22	1	750	X				X				X			3-3-15	13:47

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST	OBS	COR	REMARKS:
<i>[Signature]</i>	DWH	3-3-15	14:05								

Dry Weight Basis Required

TRRP Report Required

Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

CHART COPY

Carrier #

TraceAnalysis, Inc.
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

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

Project Name: Jerry Settles 575-882-4331
Project Location (including state): Del Oro Dairy, 1025 East O'Hara, Anthony, NM
Sample 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	
692-04		1		X				X			X					
692-04		1		X				X			X					
692-02		1		X				X			X					
692-02		1		X				X			X					
692-04		1		X				X			X					
692-04		1		X				X			X					
692-05		1		X				X			X					
692-05		1		X				X			X					
692-06		1		X				X			X					
692-00		1	250ml	X				X			X			3/2/15	12:50	
692-07		1	500ml	X				X			X			3/2/15	12:50	
692-07		1	250ml	X				X			X			3/2/15	11:53	
692-08		1	250ml	X				X			X			3/2/15	11:53	
692-08		1		X				X			X					
692-09		1		X				X			X					
692-09		1		X				X			X					

LAB Order ID #	PH 418.1 / TX1005	TX 1005 Extended (C35)	PAH 8270C	PAH 8270 (Low Level Analysis)	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	Nitrate as Nitrogen EPA 300.0	Chloride EPA Method 300.0	Sulfate EPA Method 300.0	Total Dissolved Solids SM 2540 C MOD	Total Kjeldahl Nitrogen SM 4500 NORGC	Phosphorus SM 4500	Turn Around Time	Hold
MTBE 8021B/602						X	X	X	X	X	X		
BTEX 8021B/602						X	X	X	X	X	X		
TPH 418.1 / TX1005						X	X	X	X	X	X		
PH 418.1 / TX1005						X	X	X	X	X	X		
TX 1005 Extended (C35)						X	X	X	X	X	X		
PAH 8270C						X	X	X	X	X	X		
PAH 8270 (Low Level Analysis)						X	X	X	X	X	X		
Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7						X	X	X	X	X	X		
Nitrate as Nitrogen EPA 300.0						X	X	X	X	X	X		
Chloride EPA Method 300.0						X	X	X	X	X	X		
Sulfate EPA Method 300.0						X	X	X	X	X	X		
Total Dissolved Solids SM 2540 C MOD						X	X	X	X	X	X		
Total Kjeldahl Nitrogen SM 4500 NORGC						X	X	X	X	X	X		
Phosphorus SM 4500						X	X	X	X	X	X		

Remarks: m ICC
 Lab Use Only
 Intact IN
 Headspace Y N
 Temp 4/4
 Log-in Review
 Dry Weight Basis Required
 TRRP Report Required
CARRY IN

Relinquished By: *[Signature]* Date: 3/2/15 14:36
Received By: MKC Date: 3/2/15 14:36
Relinquished By: *[Signature]* Date: 3/2/15 16:30
Received By: MKC Date: 3/2/15 16:30

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

TraceAnalysis, Inc.

135 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 # _____

Company Name: _____ Phone #: 915-859-8150
 Cell #: _____
 D&H Petroleum & Environmental Services
 Address: (Street, City, Zip) _____
 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 #: 46160
 Del Oro Dairy
 Sampler Signature: *JWS*

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
	692-01	1	250	X				X		X			3-3-15	8:57
	692-02	1	250	X				X		X			3-3-15	8:57
	692-03 692-05		250	X				X		X			12:21	12:21
	692-04 692-05		250	X				X		X			11:45	11:45
	692-06		250	X				X		X			11:45	11:45
	692-09		250	X				X		X			13:11	13:11
	692-09		250	X				X		X			13:11	13:11

Relinquished By: *JWS* Date: 3-3-15 Time: 14:05
 Received at Laboratory By: *MCC TMAP* Date: 3-3-15 Time: 14:05
 Relinquished By: *MCC TMAP* Date: 3-3-15 Time: 16:30
 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	X									
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: *MCC*
 Lab Use Only
 Intact Y N
 Headspace Y N
 Temp *DR 2* Y N
 Log-in Review Y N
 Dry Weight Basis Required Y N
 TRRP Report Required Y N
 Cerey JW
 8

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-01 Date Gauged 3-3-15

Site Del Oro Time Gauged 9:50

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 61.35 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 pump was not working.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-02 Date Gauged 3-3-15
 Site Del Oro Time Gauged 8:30
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 59.17 feet Height of Fluid Column 7.52 feet
 Total Depth 66.69 feet Volume in Well 4.9632 gallons
 (3 Well Volumes = 15 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:35 3-3-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
8:43	8	8	19.5	5642	7.35		4502
8:45	1	9	19.7	5625	7.38		4497
8:47	1	10	19.1	5613	7.40		4489
8:49	1	11	19.1	5611	7.43		4483
8:51	1	12	19.0	5609	7.44		4480
8:53	1	13	18.9	5607	7.45		4477
8:55	1	14	19.0	5604	7.46		4474
8:57	1	15	19.1	5600	7.4		4471

Actual Purge Volume 15 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 8:57 3-3-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-04 Date Gauged 3-3-15

Site Del Oro Time Gauged 9:29

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 60.25 feet Height of Fluid Column .22 feet

Total Depth 60.50 feet Volume in Well .1952 gallons

(3 Well Volumes = .4356 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 There was 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 ga/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-05 Date Gauged 3-3-15
 Site Del Oro Time Gauged 11:52
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 80.15 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:01 3-3-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:03	1	1	19.6	2361	7.68		1760
12:08	1	2	19.3	2364	7.70		1754
12:13	1	3	19.2	2368	7.71		1757
12:17	1	4	19.1	2371	7.73		1759
12:21	1	5	19.0	2374	7.74		1761

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

Time/Date Sampled 12:21 3-3-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations HAD to allow pump to refill with water every five minutes or so.

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 3-3-15
 Site Del Oro Time Gauged 10:10
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 81.74 feet Height of Fluid Column 84 feet
 Total Depth 90.15 feet Volume in Well 5.5606 gallons
 (3 Well Volumes = 16.65 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:25 3-3-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:15	10	10	19.6	2442	7.69		1833
11:20	1	11	19.7	2359	7.71		1766
11:24	1	12	19.9	2344	7.72		1746
11:29	1	13	19.7	2339	7.73		1740
11:34	1	14	19.4	2335	7.74		1739
11:38	1	15	19.3	2332	7.76		1731
11:42	1	16	19.2	2329	7.78		1727
11:45	0.75	16.75	19.0	2326	7.80		1725

Actual Purge Volume 16.75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 11:45 3-3-15 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 G92-07 Date Gauged 2/6/15 - 3/2/15
 Site Del Oro Dairy Time Gauged 11:00 - 12:04
 Depth to PSH 8 feet Well Diameter 4 inches
 Depth to Water 23.45 feet Height of Fluid Column _____ feet
 Total Depth any feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12/15 3/2/15 Purged Method well pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L) TDS
12:18		1	20.1	2689	7.52	127	1993
12:23		1	20.2	2697	7.53	139	1999
12:28		1	19.9	2709	7.57	152	2025
12:33		1	19.7	2723	7.60	160	2041
12:38		1	19.4	2729	7.61	162	2069
12:43		1	19.2	2734	7.59	168	2079
12:48		1	18.9	2737	7.60	169	2075

Actual Purge Volume 7.0 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 12:50 3/2/15 Purged/Sampled By [Signature]

Sample Method well 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 692-08 Date Gauged 2/6/15 3/2/15
 Site Deloro Dairy Time Gauged 10:57 - 11:20
 Depth to PSH 0 feet Well Diameter 4 inches
 Depth to Water 67.13 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:23 3/2/15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS DO (mg/L)
11:25		1	20.6	5009	7.58	129	3969
11:30		1	20.1	5027	7.53	166	3974
11:35		1	20.4	5031	7.50	164	3989
11:40		1	20.0	5046	7.46	165	3998
11:45		1	19.9	5067	7.44	162	4004
11:50		1	19.7	5069	7.40	161	4012

Actual Purge Volume 6.0 gals Field Measurements stabilized within ±10% _____
 Time/Date Sampled 11:53 3/2/15 Purged/Sampled By [Signature]
 Sample Method well pump
 Requested Analyses _____
 Comments/Observations _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 692-09 Date Gauged 3-3-15

Site Del Oro Time Gauged 12:50

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 83.43 feet Height of Fluid Column _____ feet

Total Depth Pump feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:03 3-3-15

Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:03	1	1	21.0	2275	8.02		1691
13:05	1	2	21.7	2289	7.84		1702
13:07	1	3	21.6	2297	7.86		1668
13:09	1	4	21.8	2256	7.81		1675
13:11	1	5	21.9	2250	7.80		1677

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

Time/Date Sampled 13:11 3-3-15 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

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

Company Name: Isaac Dominguez 575-649-7040
 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): Dominguez Dairy #1, PO Box 21, Mesquite, NM 88048
 Project Name: Dominguez Dairy #1
 Project #: NA
 Sampler Signature: JUG

LAB #	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO3	H2SO4	NaOH	ICE	NONE
		1	250	X				X			X	2-12-15	12:03
	624-01	1	250	X				X			X	12:03	
	624-01	1	250	X				X			X	13:12	
	624-02	1	250	X				X			X	13:12	
	624-02	1	250	X				X			X	13:34	
	624-04	1	250	X				X			X	13:34	
	624-04	1	250	X				X			X		
	624-05	1		X				X			X		
	624-05	1		X				X			X		
	624-06	1		X				X			X		
	624-06	1		X				X			X		
	624-07	1		X				X			X		
	624-07	1		X				X			X		
	624-08	1		X				X			X		
	624-08	1		X				X			X		
	624-09	1		X				X			X		
	624-09	1		X				X			X		

LAB Order ID #	ANALYSIS REQUEST	Turn Around Time	Hold
MTBE 8021B/602	<input checked="" type="checkbox"/>		
BTEX 8021B/602	<input checked="" type="checkbox"/>		
TPH 418.1 / TX1005	<input checked="" type="checkbox"/>		
TX 1005 Extended (C35)	<input checked="" type="checkbox"/>		
PAH 8270C	<input checked="" type="checkbox"/>		
PAH 8270 (Low Level Analysis)	<input checked="" type="checkbox"/>		
Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	<input checked="" type="checkbox"/>		
Nitrates EPA 300	<input checked="" type="checkbox"/>		
TKN SM 4500 NORG C	<input checked="" type="checkbox"/>		
Chloride EPA 300	<input checked="" type="checkbox"/>		
Total Dissolved Solids SM 2540 C MOD	<input checked="" type="checkbox"/>		

Remarks: on Ice

Lab Use Only

Intact	<u>Y/N</u>
Headspace	<u>Y/N</u>
Temp	<u>12/30</u>
Log-in Review	

Dry Weight Basis Required
 TRRP Report Required

Relinquished By: JUG Date: 2-12-15 Time: 14:00

Received By: MJC Date: 2-12-15 Time: 16:30

Relinquished By: Date: 2-12-15 Time: 16:30

Received At Laboratory By:

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 624-01 Date Gauged 2-12-15
 Site Dormeyer Time Gauged 11:22

Depth to PSH feet Well Diameter 4 inches
 Depth to Water 38.98 feet Height of Fluid Column 17.71 feet
 Total Depth 46.69 feet Volume in Well 11.6886 gallons

(3 Well Volumes = 35 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:28 2-12-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:52	28	28	26.3	4773	7.70		3744
11:54	1	29	19.9	4837	7.53		3818
11:56	1	30	19.5	4846	7.72		3828
11:57	1	31	19.9	4826	7.47		3801
11:59	1	32	19.0	4851	7.51		3826
12:01	1	33	19.5	4855	7.50		3834
12:02	1	34	19.2	4852	7.49		3831
12:03	1	35	19.1	4846	7.47		3828

Actual Purge Volume 35 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 12:03 2-12-15 Purged/Sampled By AV

Sample Method Pump

Requested Analyses

Comments/Observations SD

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 1024-02 Date Gauged 2-12-15
 Site Dominique Time Gauged 12:20

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 20.95 feet Height of Fluid Column 16.34 feet
 Total Depth 37.29 feet Volume in Well 10.7844 gallons

(3 Well Volumes = 32.35 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12/30 2-12-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SPC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:30	26	26	18.8	5126	7.26		4064
13:01	1	27	19.1	5135	7.28		4084
13:03	1	28	19.4	5136	7.31		4076
13:05	1	29	19.0	5135	7.27		4069
13:07	1	30	19.1	5081	7.43		4028
13:09	1	31	18.4	5137	7.34		4095
13:10	1	32	18.8	5112	7.29		4065
13:12	1.5	32.5	17.6	5129	7.31		4067

Actual Purge Volume 32.5 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 13:12 2-12-15 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 2-12-15
 Site Dominguez Time Gauged 10:59

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 0 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 Site Dominique
 Date Gauged 2-12-15 Time Gauged 11:07

Depth to PSH feet Well Diameter 4 inches
 Depth to Water 0 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)	Cumuli 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 2-12-15
 Site Dominquez Time Gauged 10:52

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 0 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 _____
 Site _____ Dominquez _____
 Date Gauged _____
 Time Gauged _____ 10:45 _____

Depth to PSH _____ feet
 Well Diameter _____ 4 inches
 Depth to Water _____ 55.54 feet
 Height of Fluid Column _____ 0.16 feet
 Total Depth _____ 55.70 feet
 Volume in Well _____ 0.1056 gallons

(3 Well Volumes = _____ 0.31 _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged _____ Purged Method _____

Time	Purge Vol (gal)	Cumuli 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 _____

There is 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 2-12-15
 Site Dominique Time Gauged 11:15

Depth to PSH feet Well Diameter inches
 Depth to Water 0 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.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 688-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: **TraceAnalysis, Inc.** Phone #: **915-857-6150**
 Address: **1221 Tower Trail Ln, El Paso, TX, 79907** Fax #: **915-857-6150**
 Contact Person: **Vickie Ayala** E-mail: **vayala@traceanalysis.com**
 Invoice to: **13600 Stern Dr, Mesquite, NM, 88048**
 (if different from above) **PO Box 21, 13600 Stern Dr**
 Project #: **461591** Project Name: **Dominique Z**

Project Location (including state): **13600 Stern Dr, Mesquite, NM, 88048**
 Sampler Signature: **Judy**

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
	42-01	1	250	X			X				X	2-26-15	12:57
	42-02	1	500	X			X				X	11:02	12:57
	42-03	1	250	X			X				X	11:56	11:02
	42-04	1	500	X			X				X	11:56	11:56
	42-05	1	250	X			X				X	11:56	11:56
	42-06	1	500	X			X				X	11:56	11:56
	42-07	1	250	X			X				X	11:56	11:56
	42-08	1	500	X			X				X	11:56	11:56
	42-09	1	250	X			X				X	12:40	12:40
	42-10	1	500	X			X				X	12:40	12:40

Relinquished by: **Judy** Company: **TAH** Date: **2-26-15** Time: **14:10**
 Received by: **Denny H. H. T.A.** Company: **TAH** Date: **2-26-15** Time: **14:16**
 Relinquished by: **Judy** Company: **TAH** Date: **2-26-15** Time: **14:10**
 Received by: **Denny H. H. T.A.** Company: **TAH** Date: **2-26-15** Time: **14:16**

INST: **12-1** OBS: **3** COR: **3**
 INST: **12-1** OBS: **3** COR: **3**

Inter: **Y/N**
 Headspace: **Y/N/NA**
 Log-in-Review: **Y/N**

Dry Weight Basis Required
 TRRP Report Required
 Check if Special Reporting Limits Are Needed

Carrier # **CARRY 10**

ANALYSIS REQUEST
 (Circle or Specify Method No.)

Method No.	Method Name	Method Description
8021 / 602 / 8260 / 624	MTBE	8021 / 602 / 8260 / 624
8021 / 602 / 8260 / 624	BTEX	8021 / 602 / 8260 / 624
418.1 / TX1005 / TX1005 EX(C35)	TPH	418.1 / TX1005 / TX1005 EX(C35)
8015 GRO / DRO / TVHC	TPH	8015 GRO / DRO / TVHC
8270 / 625	PAH	8270 / 625
Ag As Ba Cd Cr Pb Se Hg	Total Metals	Ag As Ba Cd Cr Pb Se Hg 6010/200.7
Ag As Ba Cd Cr Pb Se Hg	TCLP Metals	Ag As Ba Cd Cr Pb Se Hg
	TCLP Volatiles	
	TCLP Semi Volatiles	
	TCLP Pesticides	
	RCl	
8260 / 624	GC/MS Vol.	8260 / 624
8270 / 625	GC/MS Semi. Vol.	8270 / 625
8082 / 608	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 PM 3000	
	TKN SM 4500 NORG C	
	Chloride PM 3000	
	TDS SM 2540 C MAD	
	Turn Around Time	if different from standard

TraceAnalysis, Inc.

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

email: lab@traceanalysis.com

Company Name: Dahl Petroleum & Environmental Phone #: 915-859-8150
 Address: _____ (Street, City, Zip) Fax #: _____
 Contact Person: Victor Ayala E-mail: vayala@ochpump.com
 Invoice to: _____
 (If different from above) Po Box 21, 1300 Street
 Project #: 461591 Project Name: Isaac Dominguez
 Project Location (including state): Mesquite, NM, 88048 Project Name: Dominguez 2
 Sampler Signature: [Signature]

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
	42-13	1	250	X			X	X	X			2-26-15	1321
	42-13	1	500	X			X	X	X			2-26-15	1321

ANALYSIS REQUEST (Circle or Specify Method No.)	
<input checked="" type="checkbox"/>	MTBE 8021 / 602 / 8260 / 624
<input type="checkbox"/>	BTEX 8021 / 602 / 8260 / 624
<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 Ex(C35)
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	PAH 8270 / 625
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260 / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270 / 625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	Pesticides 8081 / 608
<input type="checkbox"/>	BOD, TSS, pH
<input type="checkbox"/>	Moisture Content
<input type="checkbox"/>	Cl, F, SO ₄ , NO ₃ -N, NO ₂ -N, PO ₄ -P, Alkalinity
<input type="checkbox"/>	Na, Ca, Mg, K, TDS, EC
<input checked="" type="checkbox"/>	Nitrates EPA 300.0
<input checked="" type="checkbox"/>	TKN SM 4500 Nbre C
<input checked="" type="checkbox"/>	Chloride EPA 300.0
<input type="checkbox"/>	TDS SM 2540 D MB
<input type="checkbox"/>	Turn Around Time if different from standard

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST	OBS	COR
<u>[Signature]</u>	<u>Dahl</u>	<u>2-26-15</u>	<u>14:10</u>	<u>DJAH-TA</u>	<u>TA</u>	<u>2-26-15</u>	<u>14:10</u>	<u>12-1</u>	<u>3</u>	<u>3</u>

REMARKS: _____

LAB USE ONLY

Intact Y N NA

Headspace Y N NA

Log-in-Review

Dry Weight Basis Required

TRRP Report Required

Check if Special Reporting Limits Are Needed

Carrier # CARRY IN

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

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

TraceAnalysis, Inc.

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

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):
Dominguez Dairy #2, P.O. Box 21, Mesquite, NM 88048
Project #: 461591

Isaac Dominguez 575-649-7040
Project Name:
Dominguez Dairy #2
Sampler Signature: *gur*

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	SAMPLING TIME	Turn Around Time	Hold
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH				
	42-05	1	250	X				X	X	X	X	2-27-15	10:30		
	42-03	1	500	X				X	X	X	X	10:30			
	42-10	1	250	X				X	X	X	X	9:22			
	42-10	1	500	X				X	X	X	X	9:22			
	42-11	1	250	X				X	X	X	X	8:40			
	42-11	1	500	X				X	X	X	X	8:40			
	42-12	1	250	X				X	X	X	X	9:06			
	42-12	1	500	X				X	X	X	X	9:06			
		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				

ANALYSIS REQUEST	
PAH 8270 (Low Level Analysis)	X
PAH 8270C	X
TX 1005 Extended (C35)	
TPH 418.1 / TX1005	
BTEX 8021B/602	
MTBE 8021B/602	
Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	X
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

Relinquished By: <i>gur</i>	Date: 2-27-15	Time: 12:20:00
Received By: <i>Dy...</i>	Date: 2-27-15	Time: 16:30
Relinquished By:	Date:	Time:
Received at Laboratory By:	Date:	Time:
Lab Use Only	Remarks:	
Intact <u>Y</u> / <u>N</u>		
Headspace <u>Y</u> / <u>N</u>		
Temp <u>12-1</u> / <u>2/2</u>		
Log-in Review		
<input type="checkbox"/> Dry Weight Basis Required		
<input type="checkbox"/> TRRP Report Required		

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-02 Date Gauged 2-26-15
 Site Dominguez 2 Time Gauged 10:48
 Depth to PSH _____ feet Well Diameter Pump inches
 Depth to Water 29.38 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:54 2-26-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:55	1	1	21.5	3810	7.40		2931
10:57	1	2	19.8	3804	7.44		2924
10:59	1	3	19.8	3793	7.48		2914
11:01	1	4	18.7	3787	7.53		2915
11:02	1	5	19.3	3786	7.50		2910

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

Time/Date Sampled 11:02 2-26-15 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 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-03 Date Gauged 2-27-15

Site Dominique 2 Time Gauged 10:20

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 85.41 feet Height of Fluid Column _____ feet

Total Depth Pump feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:25 2-27-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:26	1	1	20.1	5577	7.41		4547
10:27	1	2	20.0	5580	7.46		4550
10:28	1	3	19.7	5584	7.52		4553
10:29	1	4	19.6	5580	7.53		4555
10:30	1	5	19.7	5580	7.54		4557

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

Time/Date Sampled 10:30 2-27-15 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 42-06 Date Gauged 2-26-15
 Site Dominquez 2 Time Gauged 11:45
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 35.22 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:51 2-26-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:52	1	1	19.6	3285	7.82		2515
11:53	1	2	19.8	3264	7.85		2481
11:54	1	3	19.9	3266	7.87		2483
11:55	1	4	19.1	3256	7.90		2477
11:56	1	5	19.2	3261	7.92		2479

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

Time/Date Sampled 11:56 2-26-15 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 42-07 Date Gauged 2-26-15

Site Dominguez 2 Time Gauged 12:05

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 0 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 2-26-15

Site Dominique 2 Time Gauged 11:13

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 31.36 feet Height of Fluid Column _____ feet

Total Depth Pump feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:18 2-26-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:23	1	1	21.1	3760	7.41		2.843
	1	2					
	1	3					
	1	4					
	1	5					

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

Time/Date Sampled 11:23 2-26-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations The well was pumping okay.

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 42-09 Date Gauged 2-26-15

Site Dominguez II Time Gauged 12:30

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 50.61 feet Height of Fluid Column _____ feet

Total Depth Pump feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:35 2-26-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:36	1	1	21.1	4292	7.59		3345
12:37	1	2	24.4	4682	7.53		3680
12:38	1	3	24.2	4743	7.39		3730
12:39	1	4	22.8	4750	7.47		3739
12:40	1	5	22.6	4760	7.44		3741

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

Time/Date Sampled 12:40 2-26-15 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 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-10 Date Gauged 2-27-15
 Site Dominguez 2 Time Gauged 9:13
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 115.43 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:17 2-27-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:18	1	1	19.0	2293	7.71		1705
9:19	1	2	18.5	2287	7.70		1703
9:20	1	3	18.3	2286	7.69		1700
9:21	1	4	18.3	2283	7.67		1696
9:22	1	5	18.4	2281	7.64		1697

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

Time/Date Sampled 9:22 2-27-15 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 2-27-15

Site Dominguez 2 Time Gauged 8:30

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 125.73 feet Height of Fluid Column _____ feet

Total Depth Pump feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:35 2-27-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
8:36	1	1	19.5	1964	7.62		1433
8:37	1	2	21.0	1974	7.71		1440
8:38	1	3	19.9	1963	7.76		1435
8:39	1	4	19.6	1960	7.77		1432
8:40	1	5	19.6	1956	7.78		1428

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

Time/Date Sampled 8:40 2-27-15 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 gal/ft

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-12 Date Gauged 2-27-15
 Site Dominquez 2 Time Gauged 8:46
 Depth to PSH _____ feet Well Diameter _____ inches
 Depth to Water 132.01 feet Height of Fluid Column _____ feet
 Total Depth Pump feet Volume in Well _____ gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:01 2-27-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:02	1	1	20.5	2023	7.75		1475
9:03	1	2	20.4	2013	7.76		1471
9:04	1	3	20.3	2002	7.77		1466
9:05	1	4	20.1	2000	7.77		1461
9:06	1	5	20.2	1997	7.78		1460

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

Time/Date Sampled 9:06 2-27-15 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 42-13 Date Gauged 2-26-15

Site Dormeyer 2 Time Gauged 13:07

Depth to PSH _____ feet Well Diameter _____ inches

Depth to Water 58.86 feet Height of Fluid Column _____ feet

Total Depth Pump feet Volume in Well _____ gallons

(3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:11 2-26-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:13	1	1	19.5	5294	7.71		4220
13:15	1	2	19.8	5285	7.77		4210
13:17	1	3	19.8	5268	7.83		4204
13:19	1	4	19.8	5280	7.86		4192
13:21	1	5	19.7	5283	7.85		42 4194

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

Time/Date Sampled 13:21 2-26-15 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

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	2-5-15	10:32	56.55	61.25 check
70/86/340-01	427320.92	1508461.05	2-5-15	10:27	49.68	67.72 check
86/340-01	432021.33	1503216.90	2-5-15	9:55	56.32	71.01 check
Del Norte Dairy (DP-126)						
126-04	423258.23	1510546.24	2-5-15	10:56	35.06	38.22 ✓
126-05	422293.26	1510649.84	2-5-15	10:52	27.65	31.51 ✓
126-07	423613.62	1509986.47	2-5-15	10:46	35.62	39.12 check
126-09	425154.15	1510994.31	2-5-15	10:38	77.53	82.56 check
126-12	421492.11	1510198.45	2-5-15	10:54	23.86	29.92 ✓
126-13	423431.96	1510657.41	2-5-15	10:42	42.05	58.83 ✓
Mountain View Dairy (DP-70)						
70-01	423303.43	1510585.63	2-5-15	10:59	36.61	46.57 check
70-02	423412.73	1511192.51	2-5-15	11:03	46.00	49.63 check
70-04			2-5-15	11:05	34.78	47.86 check
Buena Vista Dairy I (DP-86) - GAUGE ONLY						
86-01	421534.62	1511667.76	2-5-15	11:13	50.13	54.39 ✓
86-02	421792.08	1510881.53	2-5-15	11:09	32.88	48.53 ✓
Bright Star Dairy (DP-340)						
340-01	421410.13	1511423.42	2-5-15	11:18	43.56	48.03 ✓
340-02	420641.08	1512051.57	2-5-15	11:21	55.00	56.81 ✓
Gonzalez Dairy (DP-177)						
177-01	417300.94	1512942.63	2/6/15	15:15	20.14	25.26 check
177-02	416738.21	1513246.51	2/6/15	15:11	20.75	25.28 check
177-03A	416211.35	1513814.71	2/6/15	15:02	22.30	35.17 check
177-04	416796.99	1513733.28	2/6/15	15:02	26.58	46.21 check
177-05	417302.42	1514116.55	2/6/15	14:56	38.98	48.29 check
177-06	417301.84	1514765.63	2/6/15	14:53	DRY	51.70 ✓
177-07R	415258.95	1515471.64	2/6/15	15:21	46.70	54.10 ✓
Dominguez 2 Dairy (DP-42)						
42-02	419982.45	1511126.19	2-5-15	11:42	29.23	check
42-03	419710.55	1514064.35	2-5-15	11:28	84.36	✓
42-06	420021.61	1511465.15	2-5-15	11:37	35.08	✓
42-07	420584.80	1513076.66	2-5-15	11:50	DRY	✓
42-08	419994.93	1511197.91	2-5-15	11:44	31.23	check
42-09	419729.17	1512255.76	2-5-15	11:34	50.51	✓
42-10	421426.39	1514460.40	2/6/15	14:37	114.95	Pump ✓
42-11	420693.98	1515270.32	2/6/15	14:34	125.43	Pump ✓
42-12	420972.09	1515423.88	2/6/15	14:41	131.76	Pump ✓
42-13	419734.06	1512534.42	2-5-15	11:33	58.50	check

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	2-5-15	13:16	28.95	46.69 check
624-02	417335.25	1512201.42	2-5-15	13:53	20.95	37.29 check
624-04	418542.24	1508104.07	2-5-15	13:22	DRY	17.49 ✓
624-05	419777.52	1509829.65	2-5-15	13:30	DRY	17.41 ✓
624-06	418502.42	1513981.08	12-2 ²⁻⁵	13:12	DRY	52.24 ✓
624-07	418012.23	1514707.77	12-26 ²⁻⁵	13:06	55.53	55.70 ✓
624-08	421461.78	1507712.04	12-4 ²⁻⁵	13:41	DRY	19.39 ✓
CENTRAL AREA						
Brena Vista Dairy II (DP-74)						
74-01	405434.93	1519310.15	2-5	14:17	35.45	45.13 check
74-02	404574.08	1519035.52	2-5	14:14	16.00	26.14 check
74-03	407163.61	1516711.72	2-5	14:05	15.75	20.09 ✓
74-04	405488.65	1519864.48	2-5	14:21	47.86	57.83 check
74-05	404747.71	1519885.30	2-5	14:23	40.78	56.96 check
River Valley Dairy (DP-167)						
167-01	402518.37	1518459.71	2-5	14:44	16.18	107.02 gauge only/do not sample
167-01A	402518.18	1518936.72	2-5	14:48	16.32	25.12
167-02	402498.30	1519354.81	2-5	14:46	17.25	19.95 check
167-03	402981.73	1519415.73	2-5	14:36	22.70	40.82
167-04	402032.19	1519884.60	2-5	14:39	25.22	30.20
167-05	397947.44	1520446.03	2-5	14:58	16.13	21.50
167-06	404479.35	1519603.88	2-5	14:31	30.44	35.66
167-07	402562.23	1518480.34	2-5	14:42	16.26	24.96
167-08	399352.96	1519889.65	2-5	14:52	17.78	30.84
167-09	398473.95	1519259.34	2-5-15	15:03	16.81	19.75 ✓
Big Sky Dairy (DP-833)						
833-01	399617.23	1521136.33	2/6/15	9:48	DRY	36.32 ✓
833-02	401200.32	1520639.92	2/6/15	9:52	35.20	57.76 ✓
833-03	401392.09	1521955.23	2/6/15	9:15	DRY	62.74 ✓
833-04	402898.52	1520659.33	2/6/15	9:58	43.67	53.65 ✓
833-05	399712.39	1522374.73	2/6/15	9:26	65.76	85.00 73.74 ✓
833-06	402219.48	1522652.04	2/6/15	9:12	75.79	85.09 ✓
833-07	399298.80	1522082.75	2/6/15	9:22	61.34	73.42 ✓
833-08	400535.64	1521938.23	2/6/15	9:18	61.04	72.91 ✓
833-09	398280.67	1520918.52	2/6/15	9:40	27.20	39.38 ✓
833-10	396715.89	1520283.60	2/6/15	9:37	22.24	36.95 ✓
Sunset/Desert Land Dairy (DP-257)						
257-01	395856.31	1520572.16	2/6/15	10:02	22.36	25.87 ✓
257-02	394728.34	1521030.29	2/6/15	10:07	16.75	20.70 check
257-03	397935.69	1518746.14	2/6/15	10:18	DRY	13.76 ✓
257/260-01	397678.36	1519948.22	2/6/15	10:12	14.74	20.26 ✓
SOUTHERN AREA						
Del Oro Dairy (DP-692)						

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
692-01	373615.88	1531529.38	2/6/15	10:54	61.28	Pump ✓
692-02	372984.72	1531192.10	2/6/15	10:48	59.02 66.69	✓
692-04	372982.53	1531555.21	2/6/15	10:51	60.20	60.50 ✓
692-05	374807.26	1532403.00	2/6/15	11:07	80.08	Pump check
692-06	375054.77	1532411.83	2/6/15	11:03	81.65	90.16 check
692-07	374944.88	1532019.81	2/6/15	11:00	73.40	Pump check
692-08	375535.69	1531378.09	2/6/15	10:57	67.12	Pump check
692-09	373575.83	1532395.09	2/6/15	11:10	83.34	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	2/6/15	11:24	60.96	62.77 ✓
MW-2	NM	NM	2/6/15	11:20	62.48	63.60 ✓
MW-3	NM	NM	2/6/15	11:28	DRY	59.01 ✓
ABATEMENT PLAN MONITOR WELLS						
DAD-01	422970.59	1512825.76	2/6/15	13:50	71.45	76.18 ✓
DAD-02	413002.98	1517319.93	2/6/15	13:06	66.30	68.08 ✓
DAD-03	407721.31	1516497.85	2/6/15	12:59	12.87	15.07 ✓
DAD-04	404576.66	1517413.28	2/6/15	12:53	15.55	18.46 ✓
DAD-05	396712.87	1519102.06	2/6/15	12:50	16.60	23.34 ✓
DAD-06	404273.19	1522081.00	2/6/15	12:03	DRY	83.46 ✓
DAD-07	399270.18	1524320.88	2/6/15	11:56	92.28	100.67 ✓
DAD-08	395287.38	1522575.07	2/6/15	12:16	51.97	55.66 ✓
DAD-09	373259.30	1530905.70	2/6/15	11:40	56.90	61.43 ✓
DAD-10	372980.55	1532375.33	2/6/15	11:45	82.18	94.90 check
DAD-11			2/6/15	13:26	22.50	47.36 ✓
DAD-12			2/6/15	13:16	52.18	82.29 ✓
DAD-13			2/6/15	13:11	85.50	92.78 ✓
DAD-14			2/6/15	13:27	29.83	42.45 ✓
DAD-15			2/6/15	14:17	95.65	109.46 ✓
DAD-16			2/6/15	12:48	18.45	32.64 ✓
DAD-17			2/6/15	12:24	21.00	38.23 check
DAD-18			2/6/15	12:35	23.73	56.94 check
DAD-19			2/6/15	12:10	64.38	99.20 ✓
DAD-20			2/6/15	11:33	54.26	69.01 ✓
DAD-21			2/6/15	11:36	57.16	66.52 ✓
DAD-22			2/6/15	11:43	47.30	50.05 ✓

TraceAnalysis, Inc.
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298
 Phone #: 915-859-8150
 Cell #:
 Fax #:
 E-mail: vajala@dhpump.com

Company Name: D&H Petroleum & Environmental Services
Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907
Contact Person: Victor Ayala
 Invoice to (if different from above):
 Gonzalez Dairy, PO Box 199, Mesquite, NM 88048
Project #:
 Project Name: Joe Gonzalez 575-233-4801
 Gonzalez Dairy Inc.
 Sampler Signature: *JVF*

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
	177-Lagoon-1	1	250	X				X				X		2-11-15	1340
	177-Lagoon-1	1	250	X				X				X		1340	1340
	177-Lagoon-2	1	250	X				X				X		1253	1253
	177-Lagoon-2	1	250	X				X				X		1253	1253
	177-Lagoon-3	1	250	X				X				X		1203	1203
	177-Lagoon-3	1	250	X				X				X		1203	1203
	177-Lagoon-3	1	250	X				X				X		1203	1203

Project Location (including state):
 Gonzalez Dairy, 14310 Stern Dr., Mesquite, NM

Relinquished By: <i>JVF</i>	Date: 2-11-15	Time: 14:33	Received By: <i>MLC</i>	Date: 2-11-15	Time: 14:33
Relinquished By: <i>MLC</i>	Date: 2-11-15	Time: 14:30	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:
 Lab Use Only: Intact Y/N
 Headspace Y/N
 Temp 21 - 1
 Log-in Review
 Dry Weight Basis Required
 TRRP Report Required

100 WILSON BLVD, STE. 111
 Paso, TX 79932
 Tel (915) 585-3443
 Fax (915) 585-4944

TraceAnalysis, Inc.

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

Company Name: _____
 D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907

Contact Person: Victor Ayala
 Invoice to (if different from above):
 Gonzalez Dairy, PO Box 199, Mesquite, NM 88048
 Project #: 461592

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	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
177-01	177-02	1	250	X			X			X			2-12-15	10:33
177-01	177-02	1	250	X			X			X				10:34
177-02	177-04	1	250	X			X			X				8:53
177-02	177-04	1	250	X			X			X				8:53
177-03	177-07	1	250	X			X			X				10:04
177-03	177-07	1	250	X			X			X				10:04
177-04		1		X			X			X				
177-04		1		X			X			X				
177-05		1		X			X			X				
177-05		1		X			X			X				
177-05		1		X			X			X				
177-05		1		X			X			X				
177-05		1		X			X			X				
177-05		1		X			X			X				
177-05		1		X			X			X				
177-05		1		X			X			X				
177-05		1		X			X			X				

Relinquished By: *July* Date: 2-12-15 Time: 14:00
 Received By: *MIC* Date: 2-12-15 Time: 14:00
 Relinquished By: *MIC* Date: 2-12-15 Time: 16:30
 Received at Laboratory By: *TAEP* Date: 2-12-15 Time: 14:00

Lab Use Only
 Intact N
 Headspace Y/N
 Temp *TR* / *32*
 Log-in Review _____

Remarks: *on ice*

Dry Weight Basis Required
 TRRP Report Required

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	
Nitrate 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	

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 177-01 Date Gauged 2-11-15
 Site Conner Time Gauged 13:05

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 26.16 feet Height of Fluid Column 5.1 feet
 Total Depth 25.26 feet Volume in Well 3.366 gallons
 (3 Well Volumes = 10 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:09 2-11-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:19	3	3	20.6	6716	7.54		5432
13:22	1	4	20.5	6356	7.52		5139
13:25	1	5	20.3	6337	7.51		5123
13:28	1	6	20.2	6339	7.49		5127
13:31	1	7	20.1	6348	7.47		5125
13:34	1	8	20.0	6345	7.45		5129
13:37	1	9	20.0	6339	7.44		5122
13:40	1	10	20.0	6344	7.42		5124

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

Time/Date Sampled 13:40 2-11-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 177-02 Date Gauged 2-12-15
 Site Gonzalez Time Gauged 10:10

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 20.76 / ~~25.28~~ feet Height of Fluid Column 4.52 feet
 Total Depth 25.28 feet Volume in Well 2.9832 gallons
 (3 Well Volumes = 8.94 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:15 2-12-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:19	2	2	19.8	4880	7.86		3853
10:21	1	3	19.7	4856	7.85		3832
10:23	1	4	19.7	4833	7.84		3810
10:25	1	5	19.6	4811	7.82		3801
10:27	1	6	19.5	4799	7.80		3783
10:29	1	7	19.5	4796	7.79		3774
10:32	1	8	19.4	4783	7.78		3771
10:34	1	9	19.4	4779	7.77		3763

Actual Purge Volume 9 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:34 2-12-15 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 177-03A Date Gauged 2-11-15
 Site Gonzalez Time Gauged 12:25

Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 22.31 feet Height of Fluid Column 12.86 feet
 Total Depth 35.17 feet Volume in Well 2.1862 gallons
 (3 Well Volumes = 6.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:30 2-11-15 Purged Method Beil

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:34	1	1	23.2	5802	7.65		4655
12:37	1	2	23.9	5937	8.01		4771
12:41	1	3	23.9	6131	8.03		4937
12:44	1	4	23.8	6203	7.32		4983
12:47	1	5	23.7	6164	7.40		4980
12:51	1	6	23.4	6156	7.39		4977
12:53	0.5	6.5	23.1	6150	7.31		4973

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

Time/Date Sampled 12:53 2-11-14 Purged/Sampled By JV

Sample Method Beil

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 2-12-15
 Site Gonzalez Time Gauged 8:11
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 26.59 feet Height of Fluid Column 19.64 feet
 Total Depth 46.23 feet Volume in Well 12.9624 gallons
 (3 Well Volumes = 38.8872 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:23 2-12-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
8:46	32	32	19.0	6317	7.39		5088
8:47	1	33	19.7	6315	7.41		5061
8:48	1	34	19.6	6309	7.48		5093
8:49	1	35	19.7	6253	7.44		5091
8:50	1	36	18.9	6305	7.54		5102
8:51	1	37	18.8	6270	7.48		5066
8:52	1	38	19.2	6276	7.45		5126
8:53	1	39	19.0	6283	7.41		5120

Actual Purge Volume 39 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 8:53 2-12-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations 50' tube.

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 2-11-15
 Site Gonzalez Time Gauged 11:31

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 38.49 feet Height of Fluid Column 10.3 feet
 Total Depth 48.79 feet Volume in Well 6.798 gallons
 (3 Well Volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:35 2-11-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:52	14	14	21.1	6521	7.47		5277
11:54	1	15	19.8	6518	7.46		5278
11:56	1	16	20.2	6509	7.56		5267
11:58	1	17	20.2	6480	7.51		5243
12:00	1	18	20.0	6472	7.46		5241
12:00	1	19	19.5	6466	7.53		5231
12:02	1	20	20.1	6457	7.51		5223
12:03	.5	20.5	19.7	6448	7.50		5217

Actual Purge Volume 20.5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 12:03 2-11-15 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 177-06 Date Gauged 2-11-15
 Site Gonzalez Time Gauged 11:25

Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water DRY 0 feet Height of Fluid Column _____ feet
 Total Depth 51.76 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 177-07 Date Gauged 2-12-15
 Site Gonzalez Time Gauged 9:20
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 46.71 feet Height of Fluid Column 7.39 feet
 Total Depth 54.10 feet Volume in Well 4.8774 gallons
 (3 Well Volumes = 14.63 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:30 2-12-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:50	8	8	19.5	5636	7.81		4551
9:52	1	9	20.5	5626	7.63		4503
9:54	1	10	20.3	5621	7.71		4494
9:56	1	11	20.0	5597	7.81		4478
9:58	1	12	20.6	5601	7.77		4483
10:00	1	13	20.8	5594	7.67		4476
10:02	1	14	20.6	5590	7.64		4473
10:04	.75	14.75	20.5	5587	7.62		4470

Actual Purge Volume 14.75 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 10:04 2-12-15 Purged/Sampled By JV

Sample Method Pump

Requested Analyses _____

Comments/Observations 60 Tube.

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

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): John DeRuyter 575-233-3899
 Mountain View Dairy, P.O. Box 345, Mesquite, NM 88048
 Project #: Project Name: Mountain View Dairy
 Sampler Signature: *guy*

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
70-01		1	250	X				X				X		2-10-15	12:15
70-01		1		X				X				X			12:15
70-02		1		X				X				X		10:24	10:24
70-02		1		X				X				X		10:24	10:24
70-03		1		X				X				X		9:04	9:04
70-03		1		X				X				X		9:04	9:04
70-04		1		X				X				X		11:20	11:20
70-04		1		X				X				X		11:20	11:20
70 Lagoon		1		X				X				X		10:43	10:43
70 Lagoon		1		X				X				X		10:43	10:43
70 Lagoon		1		X				X				X		10:43	10:43
70 Lagoon		1		X				X				X		10:43	10:43
North Stormwater Lagoon		1		X				X				X		9:20	9:20
North Stormwater Lagoon		1		X				X				X		9:20	9:20
North Stormwater Lagoon		1		X				X				X		9:20	9:20
North Stormwater Lagoon		1		X				X				X		9:20	9:20

Relinquished By: *guy* Date: 2-10-15 Time: 14:02
 Received By: *WCE TREP* Date: 2-10-15 Time: 14:02
 Relinquished By: *WCE* Date: 2-10-15 Time: 16:30
 Received at Laboratory By: *WCE TREP* Date: 2-10-15 Time: 14:02

Lab Use Only
 Intact Y / N
 Headspace Y / N
 Temp *20* Del
 Log-in Review _____

Remarks: *on file*

Dry Weight Basis Required
 TRRP Report Required

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):
 Mountain View Dairy, P.O. Box 345, Mesquite, NM 88048 John DeRuyter 575-233-3899
 Project #: Project Name: Mountain View Dairy
 Sampler Signature: *[Signature]*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE
	South Stormwater Lagoon	1	2.50	X				X	X	X	X	2-10-15	9:36
	South Stormwater Lagoon	1		X				X	X	X	X	9:36	9:36
	South Stormwater Lagoon	1		X				X				9:36	9:36
	South Stormwater Lagoon	1		X				X				9:36	9:36

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

Relinquished By: *[Signature]* Date: 2-10-15 Time: 14:02
 Received By: MICE Date: 2-10-15 Time: 14:02
 Relinquished By: MICE Date: 2-10-15 Time: 16:30
 Received At Laboratory By: MICE Date: 2-10-15 Time: 14:02

Lab Use Only
 Intact Y / N
 Headspace Y / N
 Temp 22.1 - 2°C
 Log-in Review

Remarks: on file
 Carmén
 Dry Weight Basis Required
 TRRP Report Required

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 70-01 Date Gauged 2-10-15
 Site Mt. View Time Gauged 11:40
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 36.56 feet Height of Fluid Column 10.01 feet
 Total Depth 46.57 feet Volume in Well 6.6066 gallons
 (3 Well Volumes = 19.81 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:45 2-10-15 Purged Method Pump

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:00	13	13	22.1	4102	7.53		3181
12:02	1	14	21.9	4103	7.43		3180
12:05	1	15	21.7	4100	7.40		3180
12:07	1	16	21.6	4097	7.38		3178
12:09	1	17	21.2	4098	7.37		3176
12:11	1	18	21.0	4096	7.34		3172
12:13	1	19	21.1	4095	7.32		3171
12:15	1	20	21.1	4093	7.31		3170

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

Time/Date Sampled 12:15 2-10-15 Purged/Sampled By JV

Sample Method ~~Hand~~ Pump

Requested Analyses _____

Comments/Observations 40' tube.

Well Casing Volumes

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

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 70-02 Date Gauged 2-10-15
 Site Mt. View Time Gauged 9:51
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 46.0 feet Height of Fluid Column 3.63 feet
 Total Depth 49.63 feet Volume in Well ~~2.3958~~ gallons
 (3 Well Volumes = 7.18 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:57 2-10-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:01	1	1	25.1	5065	7.79		4015
10:04	1	2	23.3	5074	7.72		4011
10:07	1	3	22.8	5071	7.81		4004
10:11	1	4	22.9	5074	7.76		4007
10:15	1	5	22.6	5066	7.77		3997
10:18	1	6	22.4	5063	7.78		3994
10:21	1	7	22.3	5059	7.75		3991
10:24	.25	7.25	22.1	5055	7.76		3987

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

Time/Date Sampled 10:24 2-10-15 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 2-10-15
 Site Mt. View Time Gauged 8:30
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 56.55 feet Height of Fluid Column 4.7 feet
 Total Depth 61.25 feet Volume in Well 3.102 gallons
 (3 Well Volumes = 9.3 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:36 2-10-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
8:44	3	3	20.6	9785	7.71		8352
8:47	1	4	20.3	9784	7.56		8312
8:56	1	5	19.5	9769	7.59		8265
8:53	1	6	19.9	9753	7.51		8247
8:57	1	7	19.7	9767	7.50		8264
9:00	1	8	18.6	9775	7.56		8268
9:03	1	9	18.9	9780	7.55		8278
9:04	.25	9.25	18.8	9784	7.54		8281

Actual Purge Volume 9.25 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 9:04 2-10-15 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 70-04 Date Gauged 2-10-15
 Site Mt. View Time Gauged 11:01
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 34.75 feet Height of Fluid Column 13.11 feet
 Total Depth 47.86 feet Volume in Well 2.2287 gallons
 (3 Well Volumes = 6.68 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:06 2-10-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:10	1	1	25.1	4145	7.33		3217
11:13	1	2	23.7	4151	7.27		3222
11:16	1	3	23.6	4161	7.31		3226
11:20	1	4	23.5	4156	7.27		3225
11:23	1	5	23.7	4148	7.41		3221
11:26	1	6	23.4	4152	7.32		3221
11:28	.75	6.75	23.4	4150	7.32		3220

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

Time/Date Sampled 11:28 2-10-15 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

TraceAnalysis, Inc.

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

email: lab@traceanalysis.com

Company Name: Dahl Petroleum and Environmental Phone #: 915-859-8150
 Address: (Street, City, Zip)
 Contact Person: VICTOR AYALA E-mail: vayala@tamp.com
 Invoice to: 122 Tower Trail Ln, El Paso, TX 79907
 (if different from above) Organ dairy, Po Box 130, NM
 Project #: _____ Project Name: Crops dairy

Project Location (including state): Organ dairy, 1250 Stern Dr, Mesquite, NM
 Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING TIME
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	
	126-12	1	250	X				X	X	X		2-10-15 1346
	126-12	1	250	X				X	X	X		1346
	126-13	1	250	X				X	X	X		1305
	126-13	1	250	X				X	X	X		1305

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	MTBE 8021 / 602 / 8260 / 624
<input type="checkbox"/>	BTEX 8021 / 602 / 8260 / 624
<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 Ext(C35)
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	PAH 8270 / 625
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260 / 624
<input type="checkbox"/>	GC/MS Seml. Vol. 8270 / 625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	Pesticides 8081 / 608
<input type="checkbox"/>	BOD, TSS, pH
<input type="checkbox"/>	Moisture Content
<input type="checkbox"/>	Cl, F, SO ₄ , NO ₃ -N, NO ₂ -N, PO ₄ -P, Alkalinity
<input type="checkbox"/>	Na, Ca, Mg, K, TDS, EC
<input checked="" type="checkbox"/>	NITRATE EPA 300.0
<input checked="" type="checkbox"/>	TKN SM 4500 NORG C
<input checked="" type="checkbox"/>	Chloride EPA 300.0
<input checked="" type="checkbox"/>	TDS SM 2540 C MND
<input type="checkbox"/>	Turn Around Time if different from standard

REMARKS: on file

LAB USE ONLY

Received by: MVC Company: TAEP Date: 2-10-15 Time: 14:02 INST: 2 OBS: 2 COR: 2

Received by: _____ Company: _____ Date: _____ Time: _____ INST: _____ OBS: _____ COR: _____

Received by: _____ Company: _____ Date: _____ Time: _____ INST: _____ OBS: _____ COR: _____

Intact N
 Headspace Y N NA

Log-in-Review C

Dry Weight Basis Required
 TRRP Report Required
 Check if Special Reporting Limits Are Needed

Carrier # Carry In

TraceAnalysis, Inc.

1001 Robertson, Ste. 111
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

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: vavala@dhpump.com

Contact Person: Victor Ayala

Invoice to (if different from above): Linda Armstrong 575-233-3620

Project #: 4161595 Organ Dairy

Sampler Signature: *JMB*

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

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
126-4		1	250	X				X		X			2-11-15	10:50
126-4		1	250	X				X		X			2-11	10:50
126-5		1	250	X				X		X			2-11	11:04
126-5		1	250	X				X		X			2-11	11:04
126-7		1	250	X				X		X			2-11	10:12
126-7		1	250	X				X		X			2-11	10:12
126-9		1	250	X				X		X			2-11	9:25
126-9		1	250	X				X		X			2-11	9:25
126-12		1	250	X				X		X				
126-12		1	250	X				X		X				
126-13		1	250	X				X		X				
126-16		1	250	X				X		X				
126 Lagoon		1	250	X				X		X			2-11	9:57
126 Lagoon		1	250	X				X		X			2-11	9:57
126 Lagoon		1	250	X				X		X			2-11	9:57

Relinquished By: <i>JMB</i>	Date: 2-11-15	Time: 14:33	Received By: <i>MJC TAEP</i>	Date: 2-11-15	Time: 14:30
Relinquished By: <i>MJC TAEP</i>	Date: 2-11-15	Time: 16:30	Received at Laboratory By: <i>MJC TAEP</i>	Date: 2-11-15	Time: 14:30

LAB Order ID # 15021134

ANALYSIS REQUEST	TPH 418.1 / TX1005	BTEX 8021B/602	MtBE 8021B/602	PAH 8270C	PAH 8270C (Low Level Analysis)	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	Nitrates EPA 300	Total Kjeldhal Nitrogen SM 4500 NORGC	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Phosphorus SM 4500	Turn Around Time	Hold
						X	X	X	X	X	X		

Remarks: *on file*

Lab Use Only
 Intact Y/N
 Headspace Y/N
 Temp 52.1 3
 Log-in Review

Dry Weight Basis Required
 TRRP Report Required

Carmy Jm
 (11)

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 126-04 Date Gauged 2-11-15
 Site Oregon Time Gauged 10:24
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 35.06 feet Height of Fluid Column 3.16 feet
 Total Depth 38.22 feet Volume in Well 2.0956 gallons
 (3 Well Volumes = 6.25 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:29 2-11-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:32	1	1	20.4	3735	7.62		2869
10:36	1	2	26.3	3704	7.59		2844
10:40	1	3	21.8	3864	7.60		2979
10:43	1	4	21.7	3869	7.51		2980
10:47	1	5	21.2	3847	7.54		2962
10:50	1	6	21.1	3834 3834	7.46		2955

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

Time/Date Sampled 10:50 2-11-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 126-05 Date Gauged 2-11-15

Site Orgen Time Gauged 10:56

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 27.66 feet Height of Fluid Column 3.85 feet

Total Depth 31.51 feet Volume in Well .6545 gallons

(3 Well Volumes = 1.9635 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:01 2-11-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:04 11:04	.5	.5	20.0	5277	7.74	4192	

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

Time/Date Sampled 11:04 2-11-15 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 126-07 Date Gauged 2-11-15
 Site Oregon Time Gauged 10:03
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 35.63 feet Height of Fluid Column 3.49 feet
 Total Depth 39.12 feet Volume in Well .5933 gallons
 (3 Well Volumes = 1.77 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:07 2-11-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:10	1	1	20.6	3879	7.84		2997
10:12	<u>.25</u> <u>.75</u>	<u>1.25</u> <u>1.75</u>	20.4	3847			2973

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

Time/Date Sampled 10:12 2-11-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations A lot of silt in water

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 2-11-15
 Site Bright Star Time Gauged 8:46

Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 77.53 feet Height of Fluid Column 5.03 feet
 Total Depth 82.56 feet Volume in Well .8551 gallons
 (3 Well Volumes = 2.56 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:50 2-11-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:25	1	.50	NA	NA		NA	NA
	1	2					
	.5	2.5					

Actual Purge Volume .50 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 9:25 2-11-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations The well bailed dry, wanted to recharge but way too slow. Barely enough purged for a sample. Sampled water could be bailed.

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 126-12 Date Gauged 2-10-15
 Site Organ Time Gauged 13:15
 Depth to PSH _____ feet Well Diameter 4 inches
 Depth to Water 23.86 feet Height of Fluid Column 6.06 feet
 Total Depth 29.92 feet Volume in Well 3.9996 gallons
 (3 Well Volumes = 11.99 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 13:19 2-10-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:32	5	5	21.3	3637	7.75		2797
13:34	1	6	21.2	3631	7.72		2794
13:36	1	7	21.0	3626	7.70		2792
13:38	1	8	20.9	3624	7.68		2790
13:40	1	9	20.7	3626	7.63		2785
13:42	1	10	20.5	3618	7.61		2782
13:44	1	11	20.6	3615	7.57		2780
13:46	1	12	20.4	3611	7.55		2779

Actual Purge Volume 12 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 13:46 2-10-15 Purged/Sampled By JV

Sample Method Bail

Requested Analyses _____

Comments/Observations There was fur inside bailer, possibly steel clump
swirled in well. The case appears to be chewed on.

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID ~~42206~~ 126-13 Date Gauged 2-10-15
 Site Organ Time Gauged 12:30
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 42.07 feet Height of Fluid Column 16.76 feet
 Total Depth 58.83 feet Volume in Well 2.8472 gallons
 (3 Well Volumes = 8.54 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:37 2-10-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:41	2	2	22.6	6565	7.19		5316
12:45	1	3	22.5	4765	7.17		3744
12:48	1	4	22.3	4611	7.15		3621
12:52	1	5	22.1	4605	7.11		3614
12:56	1	6	21.9	4604	7.10		3613
13:00	1	7	21.8	4603	7.06		3612
13:07	1	8	21.7	4605	7.04		3614
13:05	0.5	8.5	21.7	4604	7.02		3611

Actual Purge Volume 8.5 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 13:05 2-10-15 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

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

Project Name: Bruce Bonestroo 575-233-2061
Project #: 461596
Sampler Signature: *Jeff*

Project Location (including state): River Valley Dairy, 1400 La Chuga Rd., Mesquite, NM

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
	167-08-167-01A	1	250	X				X					2-16-15	12:56		
	167-08-167-01A	1	250	X				X					12:56			
	167-09-167-02	1	250	X				X					12:32			
	167-09-167-02	1	250	X				X					12:32			
	167-Lagoon 167-06	1	250	X				X					11:58			
	167-Lagoon 167-06	1	250	X				X					11:58			

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

Lab Use Only	Intact <input checked="" type="checkbox"/> / N	Headspace Y / N	Temp <u>23.5</u> / <u>22</u>	Log-in Review _____
--------------	--	-----------------	------------------------------	---------------------

Relinquished By: *Jeff* Date: 2-16-15 Time: 13:45
Received By: *[Signature]* Date: 2-16-15 Time: 13:48
Remarks:
 Dry Weight Basis Required
 TRRP Report Required

CANCYER

TraceAnalysis, Inc.
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

Company Name: _____
 D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907
 Contact Person: _____
 Victor Ayala

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

Project Name: _____
 River Valley Dairy, LLC
 Project Location (including state):
 River Valley Dairy, 1400 La Chuga Rd., Mesquite, NM

Project #: _____
 Bruce Bonestroo 575-233-2061
 River Valley Dairy, PO Box 1929, Anthony, NM 88021
 Sampler Signature: _____

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD					DATE	SAMPLING TIME	Turn Around Time	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE				NONE
167-01		1		X				X				X				
167-01		1		X				X				X				
167-01A		1		X				X				X				
167-01A		1		X				X				X				
167-02		1		X				X				X				
167-02		1		X				X				X				
167-03		1		X				X				X				
167-03		1		X				X				X				
167-04		1		X				X				X				
167-04		1		X				X				X				
167-05		1		X				X				X				
167-05		1		X				X				X				
167-06		1		X				X				X				
167-06		1		X				X				X				
167-07		1		X				X				X				
167-07		1		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 NORG C

Chloride EPA 300

Total Dissolved Solids SM 2540 C MOD

MTBE 8021B/602

BTEX 8021B/602

TPH 418.1 / TX1005

Remarks: OK

Relinquished By: _____ Date: 2/18/15 3:23 pm

Relinquished By: _____ Date: 2/18/15 6:30

Received By: _____ Date: 2/18/15 15:03

Lab Use Only

Intact Y / N

Headspace Y / N

Temp OK / OK

Log-in Review _____

Dry Weight Basis Required

TRRP Report Required

COCKRY JN

TraceAnalysis, Inc.

100 W. McCurtain, Ste. 111
 Paso, TX 79932
 Tel: (915) 585-3443
 Fax: (915) 585-4944

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

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): Bruce Bonestroo 575-233-2061
 River Valley Dairy, PO Box 1929, Anthony, NM 88021
 Project #: _____
 Project Name: River Valley Dairy, LLC
 Sampler Signature: _____

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					DATE	SAMPLING TIME	
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE			NONE
167-08		1		X			X			X				
167-08		1		X			X			X				
167-09		1		X			X			X				
167-09		1		X			X			X				
167 Lagoon		1		X			X			X		2-18-15	12:10	
167 Lagoon		1		X			X			X		2-18-15	12:10	

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	

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

Page 1 of 1

Remarks: *CM JEE*

Lab Use Only: Intact Y N
 Headspace Y N
 Temp *RR 120*
 Log-in Review _____

Dry Weight Basis Required
 TRRP Report Required

M. A. J. E. J. M.

Relinquished By: *[Signature]* Date: 2/18/15 Time: 3:23pm
 Received at Laboratory By: *[Signature]* Date: 2/18/15 Time: 15:23
 Relinquished By: *[Signature]* Date: 2/18/15 Time: 16:30
 Received at Laboratory By: *[Signature]* Date: 2/18/15 Time: 16:30


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) 885-3443
 Fax (915) 885-4944

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

Project #: 461594 **Project Name:** Bruce Bonestroo 575-233-2061
Project Location (including state): River Valley Dairy, PO Box 1929, Anthony, NM 88021
River Valley Dairy, 1400 La Chuga Rd., Mesquite, NM

Sampler 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	TIME					
167-01		1		X				X	X	X	X	X								
167-04		1		X				X	X	X	X	X								
167-04A		1		X				X	X	X	X	X								
167-04A		1		X				X	X	X	X	X								
167-02		1		X				X	X	X	X	X								
167-02		1		X				X	X	X	X	X								
167-03		1		X				X	X	X	X	X								
167-03		1		X				X	X	X	X	X								
167-04		1		X				X	X	X	X	X								
167-04		1		X				X	X	X	X	X								
167-05		1		X				X	X	X	X	X							2-19-15	9:11am
167-05		1		X				X	X	X	X	X							2-19-15	9:11am
167-06		1		X				X	X	X	X	X								
167-06		1		X				X	X	X	X	X								
167-07		1		X				X	X	X	X	X							2-19-15	7:10AM
167-07		1		X				X	X	X	X	X							2-19-15	7:10AM

Relinquished By:  Date: 2/19/15 Time: 3:09
Relinquished By:  Date: 2/19/15 Time: 10:09

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

ANALYSIS REQUEST

TPH 418.1 / TX1005	BTX 8021B/602	MTBE 8021B/602	PAH 8270C	PAH 8270 (Low Level Analysis)	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	Nitrates EPA 300	TKN SM 4500 NORG C	Chloride EPA 300	Total Dissolved Solids SM 2540 C MOD	Turn Around Time	Hold
						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		

Remarks:
Lab Use Only
 Intact / N
 Headspace Y / N
 Temp 3/3°C
 Log-in Review

Dry Weight Basis Required
 TRRP Report Required

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


TraceAnalysis, Inc.

155 McCutcheon, Ste. H 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
Phone #: 915-859-8150
Cell #:
Fax #:
E-mail: vayala@dhpump.com

Project #: 461596
Project Name: River Valley Dairy, LLC
Sampler Signature: 

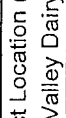
Project Location (including state): River Valley Dairy, 1400 La Chuga Rd., Mesquite, NM

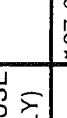
Invoice to (if different from above): River Valley Dairy, PO Box 1929, Anthony, NM 88021

LAB #	LAB USE ONLY	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD					DATE	SAMPLING TIME	Turn Around Time	Hold
					WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE				
167-08			1		X					X	X						
167-08			1		X					X	X						
167-09			1		X					X	X				2-19-15	9:45am	
167-09			1		X					X	X				2-19-15	9:45am	
167-Lagoon			1		X					X	X						
167-Lagoon			1		X					X	X						

ANALYSIS REQUEST

MTBE 8021B/602	X
BTEx 8021B/602	X
TPH 418.1 / TX-1005	X
TX 1005 Extended (C35)	X
PAH 8270C	X
PAH 8270 (Low Level Analysis)	X
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

Relinquished By:  **Date:** 2-19-15 **Time:** 309

Received By:  **Date:** 2-19-15 **Time:** 15:09

Lab Use Only
 Intact **Y** / **N**
 Headspace **Y** / **N**
 Temp 3/2 C **IRI**
 Log-in Review **Y** / **N**

Dry Weight Basis Required
 TRRP Report Required

TraceAnalysis, Inc.

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

Company Name:
D&H Petroleum & Environmental Services
Address: (Street, City, Zip)
1221 Tower Trail Ln, El Paso TX 79907
Contact Person:
Victor Ayala

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 #: 4161596
Project Name:
River Valley Dairy, LLC
Sampler Signature: *[Signature]*

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					DATE	SAMPLING TIME	
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE			NONE
	167-08	1	2.50	X			X			X			2-24-15	9:22
	167-08	1	500	X			X			X			2-24-15	9:22
		1		X			X			X				
		1		X			X			X				
		1		X			X			X				
		1		X			X			X				
		1		X			X			X				
		1		X			X			X				
		1		X			X			X				
		1		X			X			X				
		1		X			X			X				
		1		X			X			X				
		1		X			X			X				
		1		X			X			X				

Reinquired By: *[Signature]*
Date: 2-24-15
Time: 12:57
Received at Laboratory By: *[Signature]*
Date: 2/24/15
Time: 16:30

Received By:
Date: 12/15
Time: 12:54
Log-in Review: 48
Temp: 78.1

Lab Use Only
Intact: / / N
HeadSpace: Y / / N

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

Dry Weight Basis Required
TRRP Report Required

2

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 167-01A Date Gauged 2-16-15
 Site River Valley Time Gauged 12:41
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 16.96 feet Height of Fluid Column 8.16 feet
 Total Depth 25.12 feet Volume in Well 1.3872 gallons
 (3 Well Volumes = 4.16 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:45 2-16-15 Purged Method Bowl

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:48	1	1	20.3	4714	7.58		3705
12:51	1	2	19.5	4722	7.61		3715
12:57	1	3	19.3	4772	7.59		3706
12:55	1	4	19.3	4714	7.62		3709
12:56	1	4.25	19.2	4717	7.68		3711

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

Time/Date Sampled 12:56 2-16-15 Purged/Sampled By JV

Sample Method Bowl

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 167-02 Date Gauged 2-16-15

Site River Valley Time Gauged 12:10

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 17.23 feet Height of Fluid Column 2.72 feet

Total Depth 19.95 feet Volume in Well 1.7952 gallons

(3 Well Volumes = 5.38 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 12:14 2-16-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
12:17	1	1	20.2	2548	7.68		1914
12:20	1	2	19.8	2531	7.64		1900
12:24	1	3	19.5	2549	7.60		1915
12:28	1	4	19.3	2562	7.60		1925
12:31	1	5	19.4	2571	7.61		1933
12:32	0.3	5.3	19.3	2574	7.63		1934

Actual Purge Volume 5.3 gals Field Measurements stabilized within ± 10% _____

Time/Date Sampled 12:32 2-16-15 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 SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID 167-03 Date Gauged 2-18-15
 Site River Valley Time Gauged 1055
 Depth to PSH 0 feet Well Diameter 4 inches
 Depth to Water 22.72 feet Height of Fluid Column 18.1 feet
 Total Depth 40.82 feet Volume in Well 11.95 gallons
 (3 Well Volumes = 35 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 2-18-15/1100AM Purged Method Bailer

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
11:23	5	5	20.3	4313	6.86	213	3377
11:30	5	10	20.6	3250	6.87	200	2472
11:39	5	15	15.5	3480	7.04	210	2720
11:49	5	20	19.9	3193	7.24	187	2413
12:57	5	25	22.8	3126	7.28	264	2362
1306	5	30	21.9	3097	7.13	243	2342
1315	5	35	21.6	3109	7.21	284	2357

Actual Purge Volume 35 gals Field Measurements stabilized within ± 10%

Time/Date Sampled 1320/2-18-15 Purged/Sampled By [Signature]

Sample Method _____

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 SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID 167-04 Date Gauged 2-18-15
 Site River Valley Time Gauged 1335

Depth to PSH 0 feet Well Diameter 2 inches
 Depth to Water 25.19 feet Height of Fluid Column 5.01 feet
 Total Depth 30.20 feet Volume in Well .85 gallons
 (3 Well Volumes = 2.55 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 1340 / 2-18-15 Purged Method Barter

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
1344	1	1	21.7	6194	7.18	208	4994
1355	1	1	21.8	5591	7.08	251	4447

Actual Purge Volume 2 gals Field Measurements stabilized within ± 10%
 Time/Date Sampled 1355 / 2-18-15 Purged/Sampled By Hector Diaz
 Sample Method _____
 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 SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID 167-05 Date Gauged 2/19/15
 Site River Valley Time Gauged 8:42
 Depth to PSH 0 feet Well Diameter 2 inches
 Depth to Water 14.55 feet Height of Fluid Column 1.58 feet
 Total Depth 16.13 feet Volume in Well .27 gallons
 (3 Well Volumes = .81 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:50 / 2-19-15 Purged Method Barler

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
8:53	1	1	17.0	4855	7.22	8	3815
8:57	1	2	17.9	4973	7.23	57	3919
9:04	1	3	18.3	4679	7.36	102	3667

Actual Purge Volume 3 gals Field Measurements stabilized within ± 10%
 Time/Date Sampled 9:11 / 2-19-15 Purged/Sampled By [Signature]
 Sample Method _____
 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 167-06 Date Gauged 2-16-15

Site River Valley Time Gauged 11:45

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 30.46 feet Height of Fluid Column 5.2 feet

Total Depth 35.66 feet Volume in Well .884 gallons

(3 Well Volumes = 2.6 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:50 2-16-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:53	1	1	24.1	4079	7.54	3175	3175
11:56	1	2	22.6	4083	7.56	3165	3165
11:58	1.5	2.5	22.3	4065	7.42	3	3148

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

Time/Date Sampled 11:58 2-16-15 Purged/Sampled By RV

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 SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID 16707 Date Gauged 2/19/15
 Site River Valley Time Gauged 6:38

Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 16.22 feet Height of Fluid Column 8.75 feet
 Total Depth 24.97 feet Volume in Well 1.49 gallons
 (3 Well Volumes = 4.47 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 6:45 / 2-19-15 Purged Method Bailer

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
6:55	1	1	15.9	2744	7.22	-61	2036
6:59	1	2	17.5	2500	7.25	-93	1855
7:02	1	3	18.1	2541	7.27	-103	1878
7:06	1	4	17.6	2547	7.32	-55	1889

Actual Purge Volume 4 gals Field Measurements stabilized within ± 10%
 Time/Date Sampled 7:10 / 2-19-15 Purged/Sampled By [Signature]
 Sample Method _____
 Requested Analyses _____
 Comments/Observations Water clear to cloudy No color

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 167-08 Date Gauged 2-24-15
 Site River Valley Time Gauged 8:52
 Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 17.81 feet Height of Fluid Column 13.03 feet
 Total Depth 30.84 feet Volume in Well 2.2151 gallons
 (3 Well Volumes = 6.64 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 8:56 2-24-15 Purged Method Bail

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:00	1	1	16.2	4573	7.66		3589
9:05	1	2	15.6	4540	7.75		3561
9:09	1	3	14.9	4530	7.66		3552
9:13	1	4	13.9	4526	7.71		3569
9:17	1	5	13.1	4533	7.74		3553
9:20	1	6	13.2	4530	7.75		3555
9:22	.5	6.5	13.0	4534	7.77		3557

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

Time/Date Sampled 9:22 2-24-15 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 SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID 167-09 Date Gauged 2/19/15
 Site River Valley Time Gauged 9:29 am

Depth to PSH 0 feet Well Diameter 2 inches
 Depth to Water 16.80 feet Height of Fluid Column 2.95 feet
 Total Depth 19.75 feet Volume in Well .50 gallons
 (3 Well Volumes = 1.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:34 / 2-19-15 Purged Method Bailer

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
9:38	1	1	17.3	4232	7.25	110	3284
9:40	1	2	17.3	4257	7.17	140	3315
9:44	1	3	16.8	4414	7.19	146	3442

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

Time/Date Sampled 9:45 / 2-19-15 Purged/Sampled By [Signature]

Sample Method _____


Requested Analyses _____

Comments/Observations Water clear to cloudy No odor

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 Phone #: 915-859-8150 Cell #: _____
 Address: (Street, City, Zip) 1221 Tower Trail Ln, El Paso TX 79907 Fax #: _____ E-mail: vajala@dhpump.com

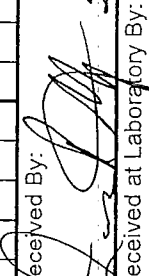
Project Name: Sunset Dairy Ed DeRuyter 575-233-2029
 Project Location (including state): Sunset Dairy, 1790
 Project #: _____
 Sampler Signature: 

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
257-01		1		X				X	X	X	X			2-19-15	1412
257-01		1		X				X	X	X	X			2-19-15	1412
257-02		1		X				X	X	X	X			2-19-15	1330
257-02		1		X				X	X	X	X			2-19-15	1330
257-03		1		X				X	X	X	X				
257-03		1		X				X	X	X	X				
257/260-01		1		X				X	X	X	X			2-19-15	1126
257/260-01		1		X				X	X	X	X			2-19-15	1126
257 Lagoon		1		X				X	X	X	X				
257 Lagoon		1		X				X	X	X	X				
257 Lagoon		1		X				X	X	X	X				

LAB Order ID #	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1 / TX1005	TX 1005 Extended (C35)	PAH 8270C	PAH 8270 (Low Level Analysis)	Sulfate EPA Method 300.0	Nitrates EPA 300	TKN SM 4500 NORG C	Chloride EPA 300	Total Dissolved Solids SM 2540 C MOD	Other - Phosphorus (EPA 6010B)	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	X	X	X	X	X	X	X		
	X	X	X	X	X	X	X	X	X	X	X	X	X		

ANALYSIS REQUEST

Reinquired By:  Date: 2-19-15 Time: 309

Received By:  Date: 2-19-15 Time: 1609

Lab Use Only: Intact / N Headspace / N Temp 3/3 / N Log-in Review

Remarks: _____

Dry Weight Basis Required TRRP Report Required

Page 2 of 2

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite 1
Midland, Texas 79701
Tel (432) 689-6301
Fax (432) 689-631

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

ANALYSIS REQUEST

(Circle or Specify Method No.)

Company Name: _____ Phone #: _____
Address: (Street, City, Zip) _____ Fax #: _____
Contact Person: _____ E-mail: _____
Invoice to: _____
(if different from above)
Project #: _____ Project Name: _____
Project Location (including state): _____ Sampler Signature: _____

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD					DATE	TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE			NONE

MTBE	8021 / 602 / 8260 / 624		
BTEX	8021 / 602 / 8260 / 624		
TPH	418.1 / TX1005 / TX1005 Ext(C35)		
TPH	8015 GRO / DRO / TVHC		
PAH	8270 / 625		
Total Metals	Ag As Ba Cd Cr Pb Se Hg 6010/200.7		
TCLP Metals	Ag As Ba Cd Cr Pb Se Hg		
TCLP Volatiles			
TCLP Semi Volatiles			
TCLP Pesticides			
RCI			
GC/MS Vol.	8260 / 624		
GC/MS Semi. Vol.	8270 / 625		
PCB's	8082 / 608		
Pesticides	8081 / 608		
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			
Turn-Around Time if different from standard			
Hold			

Relinquished by: _____ Date: _____ Time: _____ Company: _____
Received by: _____ Date: _____ Time: _____ Company: _____
Relinquished by: _____ Date: _____ Time: _____ Company: _____
Received by: _____ Date: _____ Time: _____ Company: _____

LAB USE ONLY
INST _____ OBS _____ COR _____
INST _____ OBS _____ COR _____
Headspace Y/N/NA
Intact Y/L/N

REMARKS:

Dry Weight Basis Required
 TRRP Report Required
 Check if Special Reporting Limits Are Needed

MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 257.01 Date Gauged 2/19/15
 Site Sunset Time Gauged 1357
 Depth to PSH 0 feet Well Diameter 2 inches
 Depth to Water 22.39 feet Height of Fluid Column 3.46 feet
 Total Depth 25.85 feet Volume in Well 1.59 gallons
 (3 Well Volumes = 1.77 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 1203 / 2-19-15 Purged Method Bailer

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1405	1	1	21.3	5214	7.45	133	4156
1408	1	2	19.8	5285	7.45	189	4177
1411	1	3	20.0	5272	7.43	208	4186

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

Time/Date Sampled 1412 / 2-19-15 Purged/Sampled By [Signature]

Sample Method _____

Requested Analyses _____

Comments/Observations Cloudy No odor

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 SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID 257-02 Date Gauged 2-19-15
 Site Sunset Time Gauged 1306
 Depth to PSH 0 feet Well Diameter 2 inches
 Depth to Water 16.78 feet Height of Fluid Column 3.93 feet
 Total Depth 20.71 feet Volume in Well 1.67 gallons
 (3 Well Volumes = 2.01 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 1310 / 2-19-15 Purged Method Boiler

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
1319	1	1	19.9	3909	7.54	1102	3019
1322	1	2	19.3	3732	7.49	188	2878
1328	1	3	20.2	3750	7.55	210	2879

Actual Purge Volume 3 gals Field Measurements stabilized within ± 10%
 Time/Date Sampled 1330 / 2-19-15 Purged/Sampled By [Signature]
 Sample Method _____
 Requested Analyses _____
 Comments/Observations Cloudy No odor

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 SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID 257-03 Date Gauged 2/19/15
 Site Sunset Time Gauged 10:01 AM

Depth to PSH _____ feet Well Diameter 2 inches
 Depth to Water 13.83 feet Height of Fluid Column 3.17 feet
 Total Depth 14.00 feet Volume in Well .03 gallons
 (3 Well Volumes = .10 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)	TDS (mg/L)

Not enough volume to collect water sample

Actual Purge Volume 0 gals Field Measurements stabilized within ± 10% _____
 Time/Date Sampled _____ Purged/Sampled By _____
 Sample Method _____
 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 SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID 257/260-01 Date Gauged 2/19/15
 Site Sunset Time Gauged 10:55

Depth to PSH 0 feet Well Diameter 4 inches
 Depth to Water 14.74 feet Height of Fluid Column 5.44 feet
 Total Depth 20.20 feet Volume in Well 3.60 gallons
 (3 Well Volumes = 10.8 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:10 / 2-19-15 Purged Method Bailer

Time	Purge Vol (gal)	Cumul Purge Vol (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	TDS (mg/L)
11:18	5	5	20.6	3277	7.16	85 5	3486 486
11:25	5	10	20.8	3449	7.23	98	2626

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

Time/Date Sampled 11:26 / 2-19-15 Purged/Sampled By [Signature]

Sample Method _____

Requested Analyses _____

Comments/Observations Clear to cloudy No odor

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

Joe Gonzalez
 Gonzalez Farmes
 14310 Stern Drive
 P.O. Box 199
 Mesquite, NM, 88048

Report Date: February 19, 2015

Work Order: 15021134



DP: 455526
 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
386450	177-01	Water	2015-02-11	13:40	2015-02-11
386451	177-03A	Water	2015-02-11	12:53	2015-02-11
386452	177-05	Water	2015-02-11	12:03	2015-02-11

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.

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.



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 2015-02-11 and assigned to work order 15021134. Samples for work order 15021134 were received intact at a temperature of 1.0 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	100944	2015-02-12 at 14:00	119364	2015-02-13 at 15:15
NO3 (IC)	E 300.0	100944	2015-02-12 at 14:00	119364	2015-02-13 at 15:15
TDS	SM 2540C	100920	2015-02-12 at 15:30	119333	2015-02-12 at 15:30
TKN	SM 4500-NH3 B,C	101059	2015-02-19 at 10:30	119496	2015-02-19 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 15021134 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: 386450 - 177-01

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119364 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100944 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	1190	1190	71.0	mg/L	100	34.9	2.5	0.349

Sample: 386450 - 177-01

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119364 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100944 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	33.5	33.5	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386450 - 177-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119333 Date Analyzed: 2015-02-12 Analyzed By: MC
 Prep Batch: 100920 Sample Preparation: 2015-02-12 Prepared By: MC

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	4160	4160	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386450 - 177-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119496 Date Analyzed: 2015-02-19 Analyzed By: CF
 Prep Batch: 101059 Sample Preparation: 2015-02-19 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386451 - 177-03A

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119364 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100944 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	1020	1020	71.0	mg/L	100	34.9	2.5	0.349

Sample: 386451 - 177-03A

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119364 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100944 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	17.7	17.7	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386451 - 177-03A

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119333 Date Analyzed: 2015-02-12 Analyzed By: MC
 Prep Batch: 100920 Sample Preparation: 2015-02-12 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	3880	3880	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386451 - 177-03A

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119496 Date Analyzed: 2015-02-19 Analyzed By: CF
 Prep Batch: 101059 Sample Preparation: 2015-02-19 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386452 - 177-05

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119364 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100944 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	1250	1250	71.0	mg/L	100	34.9	2.5	0.349

Sample: 386452 - 177-05

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119364 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100944 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	36.8	36.8	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386452 - 177-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119333 Date Analyzed: 2015-02-12 Analyzed By: MC
 Prep Batch: 100920 Sample Preparation: 2015-02-12 Prepared By: MC

continued . . .

sample 386452 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	4060	4060	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386452 - 177-05

Laboratory: Lubbock
Analysis: TKN
QC Batch: 119496
Prep Batch: 101059

Analytical Method: SM 4500-NH3 B,C
Date Analyzed: 2015-02-19
Sample Preparation: 2015-02-19

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

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119333
Prep Batch: 100920Date Analyzed: 2015-02-12
QC Preparation: 2015-02-12Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	4.00	mg/L	2.5

Method Blank (1)

QC Batch: 119364
Prep Batch: 100944Date Analyzed: 2015-02-13
QC Preparation: 2015-02-12Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.710	mg/L	0.349

Method Blank (1)

QC Batch: 119364
Prep Batch: 100944Date Analyzed: 2015-02-13
QC Preparation: 2015-02-12Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119496
Prep Batch: 101059Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19Analyzed By: CF
Prepared By: CF

Report Date: February 19, 2015

Work Order: 15021134
Gonzalez Farmes

Page Number: 10 of 20
14310 Stern Dr., Mesquite, NM

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 386450

QC Batch: 119333
 Prep Batch: 100920

Date Analyzed: 2015-02-12
 QC Preparation: 2015-02-12

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3900	4160	mg/L	1	6	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119333
Prep Batch: 100920Date Analyzed: 2015-02-12
QC Preparation: 2015-02-12Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	1000	mg/L	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	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: 119364
Prep Batch: 100944Date Analyzed: 2015-02-13
QC Preparation: 2015-02-12Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	23.8	mg/L	1	25.0	0.71	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	RPD	RPD Limit
Chloride		2,3,5,7,8	23.9	mg/L	1	25.0	0.71	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: 119364
Prep Batch: 100944Date Analyzed: 2015-02-13
QC Preparation: 2015-02-12Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	4.87	mg/L	1	5.00	<0.00274	97	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	5.07	mg/L	1	5.00	<0.00274	101	90 - 110	4	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119496
Prep Batch: 101059

Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19

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	<1.80	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		2,3,7,8	46.2	mg/L	1	50.0	<1.80	92	82.3 - 115	5	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: 386453QC Batch: 119364
Prep Batch: 100944Date Analyzed: 2015-02-13
QC Preparation: 2015-02-12Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	3070	mg/L	100	2500	572	100	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	2960	mg/L	100	2500	572	96	80 - 120	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: 386453QC Batch: 119364
Prep Batch: 100944Date Analyzed: 2015-02-13
QC Preparation: 2015-02-12Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	529	mg/L	100	500	26.1	100	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	517	mg/L	100	500	26.1	98	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: 386452QC Batch: 119496
Prep Batch: 101059Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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		2,3,7,8	45.5	mg/L	1	50.0	<1.80	91	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: 119364

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.1	96	90 - 110	2015-02-13

Standard (CCV-1)

QC Batch: 119364

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.03	101	90 - 110	2015-02-13

Standard (CCV-2)

QC Batch: 119364

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.5	98	90 - 110	2015-02-13

Standard (CCV-2)

QC Batch: 119364

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.10	102	90 - 110	2015-02-13

Standard (ICV-1)

QC Batch: 119496

Date Analyzed: 2015-02-19

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	2015-02-19

Standard (CCV-1)

QC Batch: 119496

Date Analyzed: 2015-02-19

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	4.90	98	85 - 115	2015-02-19

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	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.

15021134

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

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
38645D	177-Lagoon-1	1	250	X				X				2-11-15	1346
↓	177-Lagoon-1	1	250	X				X				↓	1340
451	177-Lagoon-2	1	250	X				X				1253	1253
↓	177-Lagoon-2	1	250	X				X				1203	1203
452	177-Lagoon-3	1	250	X				X				1203	1203
↓	177-Lagoon-3	1	250	X				X				↓	1203

ANALYSIS REQUEST

PAH 8270 (Low Level Analysis)
 PAH 8270C
 TX 1005 Extended (C35)
 TPH 418.1 / TX1005
 BTEX 8021B/602
 MTBE 8021B/602

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: *JVF* Date: 2-11-15 Time: 14:33
 Relinquished By: *MCC* Date: 2-11-15 Time: 14:30

Received By: *MCC* Date: 2-11-15 Time: 14:33
 Received at Laboratory By: *BLTA* Date: 2-12-15 Time: 5:1

Lab Use Only
 Intact Y N
 Headspace Y N
 Temp 20 10
 Log-in Review

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

15021134



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: February 19, 2015

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

Work Order: 15021027



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

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
386347	126-12	Water	2015-02-10	13:46	2015-02-10
386348	126-13	Water	2015-02-10	13:05	2015-02-10

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.

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.



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 2015-02-10 and assigned to work order 15021027. Samples for work order 15021027 were received intact at a temperature of 2.0 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	100893	2015-02-11 at 15:00	119307	2015-02-11 at 17:24
NO3 (IC)	E 300.0	100893	2015-02-11 at 15:00	119307	2015-02-11 at 17:24
TDS	SM 2540C	100874	2015-02-11 at 11:30	119284	2015-02-11 at 11:30
TKN	SM 4500-NH3 B,C	101059	2015-02-19 at 10:30	119496	2015-02-19 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 15021027 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: 386347 - 126-12

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100893 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	632	632	72.1	mg/L	100	34.9	2.5	0.349

Sample: 386347 - 126-12

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100893 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	U	2,3,5,7,8	<0.0137	<0.200	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386347 - 126-12

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119284 Date Analyzed: 2015-02-11 Analyzed By: MC
 Prep Batch: 100874 Sample Preparation: 2015-02-11 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	2190	2190	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386347 - 126-12

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119496 Date Analyzed: 2015-02-19 Analyzed By: CF
 Prep Batch: 101059 Sample Preparation: 2015-02-19 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	29.4	29.4	<1.80	mg/L	1	1.80	10	1.8

Sample: 386348 - 126-13

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100893 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	776	776	72.1	mg/L	100	34.9	2.5	0.349

Sample: 386348 - 126-13

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100893 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	34.7	34.7	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386348 - 126-13

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119284 Date Analyzed: 2015-02-11 Analyzed By: MC
 Prep Batch: 100874 Sample Preparation: 2015-02-11 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	2770	2770	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386348 - 126-13

Report Date: February 19, 2015

Work Order: 15021027
Organ Dairy

Page Number: 7 of 19
12560 Stern Dr., Mesquite, NM

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 119496 Date Analyzed: 2015-02-19 Analyzed By: CF
Prep Batch: 101059 Sample Preparation: 2015-02-19 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,7,8	2.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119284
Prep Batch: 100874Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed 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: 119307
Prep Batch: 100893Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.721	mg/L	0.349

Method Blank (1)

QC Batch: 119307
Prep Batch: 100893Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119496
Prep Batch: 101059Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 386336

QC Batch: 119284
Prep Batch: 100874

Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2540	2560	mg/L	1	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119284
Prep Batch: 100874

Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11

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	994	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 Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	986	mg/L	1	1000	<2.50	99	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: 119307
Prep Batch: 100893

Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	24.6	mg/L	1	25.0	0.721	96	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	24.7	mg/L	1	25.0	0.721	96	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: 119307
Prep Batch: 100893

Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	5.17	mg/L	1	5.00	<0.00274	103	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	5.18	mg/L	1	5.00	<0.00274	104	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: 119496
Prep Batch: 101059

Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19

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	<1.80	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		2,3,7,8	46.2	mg/L	1	50.0	<1.80	92	82.3 - 115	5	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: 386412QC Batch: 119307
Prep Batch: 100893Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	361	mg/L	10	250	108	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		2,3,5,7,8	359	mg/L	10	250	108	100	80 - 120	1	20

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

Matrix Spike (MS-1) Spiked Sample: 386412QC Batch: 119307
Prep Batch: 100893Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	57.7	mg/L	10	50.0	<0.0274	115	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	56.7	mg/L	10	50.0	<0.0274	100	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: 386452QC Batch: 119496
Prep Batch: 101059Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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		2,3,7,8	45.5	mg/L	1	50.0	<1.80	91	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: 119307

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.8	99	90 - 110	2015-02-11

Standard (CCV-1)

QC Batch: 119307

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.16	103	90 - 110	2015-02-11

Standard (CCV-2)

QC Batch: 119307

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.8	99	90 - 110	2015-02-11

Standard (CCV-2)

QC Batch: 119307

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.13	103	90 - 110	2015-02-11

Standard (ICV-1)

QC Batch: 119496

Date Analyzed: 2015-02-19

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	2015-02-19

Standard (CCV-1)

QC Batch: 119496

Date Analyzed: 2015-02-19

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	4.90	98	85 - 115	2015-02-19

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	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.

LAB Order ID # 15021027

Page of

Trace Analysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
 Lubbock, Texas 79424
 Tel (806) 794-1296
 Fax (806) 794-1298
 1 (800) 378-1286

5002 Basin Street, Suite A1
 Midland, Texas 79703
 Tel (432) 689-6301
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200 East Sunset Rd., Suite E
 El Paso, Texas 79922
 Tel (915) 585-3443
 Fax (915) 585-4944
 1 (888) 588-3443

BioAnalytic Testing
 2501 Mayes Rd., Ste 100
 Carrollton, Texas 75006
 Tel (972) 242-7750

Company Name: Delt Petroleum and Environmental
 Address: 1221 Tower Trail, El Paso TX 79907
 Contact Person: Victor Ayala
 Invoice to: Organ decay, P.O. Box 130, NM
 (if different from above)
 Project #: Organ decay
 Project Location (including state): Organ decay, 1250 Stem Dr, Mesquite, NM
 Phone #: 915-859-8150
 Fax #: 915-859-8150
 E-mail: vayala@chpump.com

Project Name: Organ decay
 Sampler Signature: [Signature]
 Matrix: WATER, SOIL, AIR, SLUDGE, HCl, HNO₃, H₂SO₄, NaOH, ICE, NONE
 Preservative Method: [Blank]
 Sampling Date: 2-10-15
 Sampling Time: 1346

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD				DATE	TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH			ICE
386347	126-12	1	250	X				X					2-10-15	1346
1-2	126-12	1	250	X					X				2-10-15	1346
3484	126-13	1	250	X					X				2-10-15	1305
1-2	126-13	1	250	X					X				2-10-15	1305

- ANALYSIS REQUEST (Circle or Specify Method No.)**
- MTBE 8021 / 602 / 8260 / 624
 - BTEX 8021 / 602 / 8260 / 624
 - TPH 418.1 / TX1005 / TX1005 Ext(C35)
 - TPH 8015 GRO / DRO / TVHC
 - PAH 8270 / 625
 - Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7
 - TCLP Metals Ag As Ba Cd Cr Pb Se Hg
 - TCLP Volatiles
 - TCLP Semi Volatiles
 - TCLP Pesticides
 - RCI
 - GC/MS Vol. 8260 / 624
 - GC/MS Semi. Vol. 8270 / 625
 - PCB's 8082 / 608
 - Pesticides 8081 / 608
 - BOD, TSS, pH
 - Moisture Content
 - Cl, F, SO₄, NO₃-N, NO₂-N, PO₄-P, Alkalinity
 - Na, Ca, Mg, K, TDS, EC
 - NITRATE EPA 300.0
 - TKN SM 4500 NORG C
 - Chloride EPA 300.0
 - TDS SM 2540 C mod
- Turn Around Time if different from standard
- Hold

Relinquished by: [Signature] Company: BAH Date: 2-10-15 Time: 14:02
 Relinquished by: [Signature] Company: BAH Date: 2-10-15 Time: 14:02
 Relinquished by: [Signature] Company: BAH Date: 2-10-15 Time: 14:30
 Relinquished by: [Signature] Company: BAH Date: 2-10-15 Time: 14:30

Received by: [Signature] Company: BAH Date: 2-10-15 Time: 14:02
 Received by: [Signature] Company: BAH Date: 2-10-15 Time: 14:02
 Received by: [Signature] Company: BAH Date: 2-10-15 Time: 14:30
 Received by: [Signature] Company: BAH Date: 2-10-15 Time: 14:30

LAB USE ONLY

REMARKS: on file

Dry Weight Basis Required
 TRRP Report Required
 Check if Special Reporting Units Are Needed

Carrier # Comp Inc

TraceAnalysis, Inc.

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

email: lab@traceanalysis.com

Company Name: Dash Petroleum and Environmental Phone #: 915-859-8150
 Address: 122 Tower Trail Ln, El Paso, TX 79907 Fax #:
 Contact Person: VICTOR AGUILAR E-mail: vayjala@elpump.com
 Invoice to: Organ dairy, Po Box 130, NM
 (If different from above) Project Name: Organ dairy
 Project #:

Project Location (including state): Organ dairy, 12500 Stem Dr, Mesquite, NM
 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	TIME
386347	126-12	1	250	X				X			X			2-10-15	1346
1-2	126-12	1	250	X				X			X			1346	
348	126-13	1	250	X				X			X			1305	
1-2	126-13	1	250	X				X			X			1305	

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624	
BTEX 8021 / 602 / 8260 / 624	
TPH 418.1 / TX1005 / TX1005 EXT(C35)	
TPH 8015 GRO / DRO / TVHC	
PAH 8270 / 625	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
TCLP Pesticides	
RCI	
GC/MS Vol. 8260 / 624	
GC/MS Semi. Vol. 8270 / 625	
PCB's 8082 / 608	
Pesticides 8081 / 608	
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	X
TKN SM 4520 NORG C	X
Chloride EPA 300.0	X
TDS SM 2540 CMOB	X
Turn Around Time if different from standard	Hold

Relinquished by: [Signature] Company: Dash Date: 2/10/15 Time: 14:02
 Received by: MRC Company: TAEP Date: 2-10-15 Time: 14:02 COR 2
 Relinquished by: [Signature] Company: TAEP Date: 2-10-15 Time: 16:30
 Received by: [Signature] Company: TAEP Date: 2/11/15 Time: 9:05 COR 3-3
 INST 2 OBS 2 INST 3 OBS 3
 COR 2 COR 2 COR 3 COR 3

LAB USE ONLY
 inack [X] N
 Headspace Y/N/NA
 Log-In/Review
 2-10-15

REMARKS: ON ICE

Dry Weight Basis Required
 TRRP Report Required
 Check If Special Reporting Limits Are Needed

Carrier # Carrollton 25 49110920



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

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

Report Date: February 19, 2015

Work Order: 15021024



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
386336	70-01	water	2015-02-10	12:15	2015-02-10
386337	70-02	water	2015-02-10	10:24	2015-02-10
386338	70-03	water	2015-02-10	09:04	2015-02-10
386339	70-04	water	2015-02-10	11:28	2015-02-10
386340	70 Lagoon	water	2015-02-10	10:43	2015-02-10
386341	N. Stormwater Lagoon	water	2015-02-10	09:20	2015-02-10
386342	S. Stormwater Lagoon	water	2015-02-10	09:36	2015-02-10

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.

This report consists of a total of 40 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.



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 2015-02-10 and assigned to work order 15021024. Samples for work order 15021024 were received intact at a temperature of 2.0 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	100892	2015-02-11 at 15:00	119306	2015-02-11 at 17:24
Chloride (IC)	E 300.0	100893	2015-02-11 at 15:00	119307	2015-02-11 at 17:24
NO3 (IC)	E 300.0	100892	2015-02-11 at 15:00	119306	2015-02-11 at 17:24
NO3 (IC)	E 300.0	100893	2015-02-11 at 15:00	119307	2015-02-11 at 17:24
P, Total	S 6010C	100879	2015-02-11 at 15:29	119326	2015-02-12 at 12:52
P, Total	S 6010C	100992	2015-02-17 at 13:19	119488	2015-02-18 at 11:25
SO4 (IC)	E 300.0	100892	2015-02-11 at 15:00	119306	2015-02-11 at 17:24
SO4 (IC)	E 300.0	100893	2015-02-11 at 15:00	119307	2015-02-11 at 17:24
Sulfide	SM 4500-S2 D	100954	2015-02-16 at 10:00	119378	2015-02-16 at 11:15
TDS	SM 2540C	100874	2015-02-11 at 11:30	119284	2015-02-11 at 11:30
TKN	SM 4500-NH3 B,C	100964	2015-02-16 at 10:30	119391	2015-02-16 at 14:00
TKN	SM 4500-NH3 B,C	101059	2015-02-19 at 10:30	119496	2015-02-19 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 15021024 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: 386336 - 70-01

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	594	594	<34.9	mg/L	100	34.9	2.5	0.349

Sample: 386336 - 70-01

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	22.5	22.5	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386336 - 70-01

Laboratory: Lubbock
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Sulfate		2,3,5,7,8	517	517	<20.7	mg/L	100	20.7	2.5	0.207

Sample: 386336 - 70-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119284 Date Analyzed: 2015-02-11 Analyzed By: MC
 Prep Batch: 100874 Sample Preparation: 2015-02-11 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	2560	2560	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386336 - 70-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119391 Date Analyzed: 2015-02-16 Analyzed By: CF
 Prep Batch: 100964 Sample Preparation: 2015-02-16 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	10.5	10.5	<1.80	mg/L	1	1.80	10	1.8

Sample: 386337 - 70-02

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	770	770	<34.9	mg/L	100	34.9	2.5	0.349

Sample: 386337 - 70-02

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	37.6	37.6	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386337 - 70-02

Laboratory: Lubbock
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		2,3,5,7,8	499	499	<20.7	mg/L	100	20.7	2.5	0.207

Sample: 386337 - 70-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119284 Date Analyzed: 2015-02-11 Analyzed By: MC
 Prep Batch: 100874 Sample Preparation: 2015-02-11 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	3200	3200	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386337 - 70-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119391 Date Analyzed: 2015-02-16 Analyzed By: CF
 Prep Batch: 100964 Sample Preparation: 2015-02-16 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386338 - 70-03

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

continued ...

sample 386338 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		2,3,5,7,8	744	744	<34.9	mg/L	100	34.9	2.5	0.349

Sample: 386338 - 70-03

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		2,3,5,7,8	34.8	34.8	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386338 - 70-03

Laboratory: Lubbock
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		2,3,5,7,8	535	535	<20.7	mg/L	100	20.7	2.5	0.207

Sample: 386338 - 70-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119284 Date Analyzed: 2015-02-11 Analyzed By: MC
 Prep Batch: 100874 Sample Preparation: 2015-02-11 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	6140	6140	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386338 - 70-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119391 Date Analyzed: 2015-02-16 Analyzed By: CF
 Prep Batch: 100964 Sample Preparation: 2015-02-16 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386339 - 70-04

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	561	561	<34.9	mg/L	100	34.9	2.5	0.349

Sample: 386339 - 70-04

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	27.0	27.0	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386339 - 70-04

Laboratory: Lubbock
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Sulfate		2,3,5,7,8	616	616	<20.7	mg/L	100	20.7	2.5	0.207

Sample: 386339 - 70-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119284 Date Analyzed: 2015-02-11 Analyzed By: MC
 Prep Batch: 100874 Sample Preparation: 2015-02-11 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	2580	2580	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386339 - 70-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119391 Date Analyzed: 2015-02-16 Analyzed By: CF
 Prep Batch: 100964 Sample Preparation: 2015-02-16 Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		U 2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386340 - 70 Lagoon

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		2,3,5,7,8	1140	1140	<34.9	mg/L	100	34.9	2.5	0.349

Sample: 386340 - 70 Lagoon

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	U	2,3,5,7,8	<0.0137	<0.200	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386340 - 70 Lagoon

Laboratory: Lubbock
 Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 119326 Date Analyzed: 2015-02-12 Analyzed By: LM
 Prep Batch: 100879 Sample Preparation: 2015-02-12 Prepared By: LM

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Phosphorous		2,3,5,7,8	394	394	<0.0459	mg/L	10	0.0459	0.5	0.00459

Sample: 386340 - 70 Lagoon

Laboratory: Lubbock
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100892 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		2,3,5,7,8	54.0	54.0	<1.04	mg/L	5	1.04	2.5	0.207

Sample: 386340 - 70 Lagoon

Laboratory: Lubbock
 Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
 QC Batch: 119378 Date Analyzed: 2015-02-16 Analyzed By: CF
 Prep Batch: 100954 Sample Preparation: 2015-02-16 Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfide	QS	2	0.211	0.211	<0.0117	mg/L	1	0.0117	0.1	0.0117

Sample: 386340 - 70 Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119284 Date Analyzed: 2015-02-11 Analyzed By: MC
 Prep Batch: 100874 Sample Preparation: 2015-02-11 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	5600	5600	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386340 - 70 Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119496 Date Analyzed: 2015-02-19 Analyzed By: CF
 Prep Batch: 101059 Sample Preparation: 2015-02-19 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	323	323	<3.60	mg/L	2	3.60	10	1.8

Sample: 386341 - N. Stormwater Lagoon

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100893 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	1830	1830	360	mg/L	500	174	2.5	0.349

Sample: 386341 - N. Stormwater Lagoon

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100893 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	u	2,3,5,7,8	<0.0137	<0.200	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386341 - N. Stormwater Lagoon

Laboratory: Lubbock
 Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 119488 Date Analyzed: 2015-02-18 Analyzed By: LM
 Prep Batch: 100992 Sample Preparation: 2015-02-17 Prepared By: LM

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Phosphorous		2,3,5,7,8	279	279	<0.459	mg/L	100	0.459	0.5	0.00459

Sample: 386341 - N. Stormwater Lagoon

Laboratory: Lubbock
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100893 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		2,3,5,7,8	263	263	<1.04	mg/L	5	1.04	2.5	0.207

Sample: 386341 - N. Stormwater Lagoon

Laboratory: Lubbock
 Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
 QC Batch: 119378 Date Analyzed: 2015-02-16 Analyzed By: CF
 Prep Batch: 100954 Sample Preparation: 2015-02-16 Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfide	J, Qs	2	0.0741	<0.100	<0.0117	mg/L	1	0.0117	0.1	0.0117

Sample: 386341 - N. Stormwater Lagoon

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

QC Batch: 119284 Date Analyzed: 2015-02-11 Analyzed By: MC
 Prep Batch: 100874 Sample Preparation: 2015-02-11 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	8520	8520	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386341 - N. Stormwater Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119496 Date Analyzed: 2015-02-19 Analyzed By: CF
 Prep Batch: 101059 Sample Preparation: 2015-02-19 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	218	218	<3.60	mg/L	2	3.60	10	1.8

Sample: 386342 - S. Stormwater Lagoon

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100893 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	1820	1820	360	mg/L	500	174	2.5	0.349

Sample: 386342 - S. Stormwater Lagoon

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100893 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	U	2,3,5,7,8	<0.0137	<0.200	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386342 - S. Stormwater Lagoon

Laboratory: Lubbock
 Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 119488 Date Analyzed: 2015-02-18 Analyzed By: LM
 Prep Batch: 100992 Sample Preparation: 2015-02-17 Prepared By: LM

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Phosphorous		2,3,5,7,8	55.0	55.0	<0.0459	mg/L	10	0.0459	0.5	0.00459

Sample: 386342 - S. Stormwater Lagoon

Laboratory: Lubbock
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
 Prep Batch: 100893 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Sulfate		2,3,5,7,8	259	259	<1.04	mg/L	5	1.04	2.5	0.207

Sample: 386342 - S. Stormwater Lagoon

Laboratory: Lubbock
 Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
 QC Batch: 119378 Date Analyzed: 2015-02-16 Analyzed By: CF
 Prep Batch: 100954 Sample Preparation: 2015-02-16 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Sulfide	Q _{s,U}	2	<0.0117	<0.100	<0.0117	mg/L	1	0.0117	0.1	0.0117

Sample: 386342 - S. Stormwater Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119284 Date Analyzed: 2015-02-11 Analyzed By: MC
 Prep Batch: 100874 Sample Preparation: 2015-02-11 Prepared By: MC

continued ...

sample 386342 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	8700	8700	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386342 - S. Stormwater Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119496 Date Analyzed: 2015-02-19 Analyzed By: CF
 Prep Batch: 101059 Sample Preparation: 2015-02-19 Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	95.2	95.2	<3.60	mg/L	2	3.60	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119284
Prep Batch: 100874Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed 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: 119306
Prep Batch: 100892Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	<0.349	mg/L	0.349

Method Blank (1)

QC Batch: 119306
Prep Batch: 100892Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119306
Prep Batch: 100892Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Sulfate		2,3,5,7,8	<0.207	mg/L	0.207

Method Blank (1)QC Batch: 119307
Prep Batch: 100893Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.721	mg/L	0.349

Method Blank (1)QC Batch: 119307
Prep Batch: 100893Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)QC Batch: 119307
Prep Batch: 100893Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Sulfate		2,3,5,7,8	<0.207	mg/L	0.207

Method Blank (1)QC Batch: 119326
Prep Batch: 100879Date Analyzed: 2015-02-12
QC Preparation: 2015-02-11Analyzed By: LM
Prepared By: PM

Parameter	F	C	Result	Units	Reporting Limits
Total Phosphorous		2,3,5,7,8	<0.00459	mg/L	0.00459

Method Blank (1)QC Batch: 119378
Prep Batch: 100954Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Sulfide		2	<0.0117	mg/L	0.0117

Method Blank (1)QC Batch: 119391
Prep Batch: 100964Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Method Blank (1)QC Batch: 119488
Prep Batch: 100992Date Analyzed: 2015-02-18
QC Preparation: 2015-02-17Analyzed By: LM
Prepared By: PM

Parameter	F	C	Result	Units	Reporting Limits
Total Phosphorous		2,3,5,7,8	<0.00459	mg/L	0.00459

Method Blank (1)QC Batch: 119496
Prep Batch: 101059Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19Analyzed By: CF
Prepared By: CF

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Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 386336

QC Batch: 119284
Prep Batch: 100874

Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2540	2560	mg/L	1	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119284
Prep Batch: 100874Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed 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	994	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 Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	986	mg/L	1	1000	<2.50	99	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: 119306
Prep Batch: 100892Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	24.1	mg/L	1	25.0	<0.349	96	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	24.4	mg/L	1	25.0	<0.349	98	90 - 110	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119306
Prep Batch: 100892Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	4.99	mg/L	1	5.00	<0.00274	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.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		2,3,5,7,8	4.90	mg/L	1	5.00	<0.00274	98	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119306
Prep Batch: 100892

Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
			Result	Units					
Sulfate		2,3,5,7,8	24.1	mg/L	1	25.0	<0.207	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.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Sulfate		2,3,5,7,8	24.6	mg/L	1	25.0	<0.207	98	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119307
Prep Batch: 100893

Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
			Result	Units					
Chloride		2,3,5,7,8	24.6	mg/L	1	25.0	0.721	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.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		2,3,5,7,8	24.7	mg/L	1	25.0	0.721	96	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: 119307
Prep Batch: 100893

Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	5.17	mg/L	1	5.00	<0.00274	103	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Nitrate-N		2,3,5,7,8	5.18	mg/L	1	5.00	<0.00274	104	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: 119307
Prep Batch: 100893

Date Analyzed: 2015-02-11
QC Preparation: 2015-02-11

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		2,3,5,7,8	25.5	mg/L	1	25.0	<0.207	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	
Sulfate		2,3,5,7,8	25.4	mg/L	1	25.0	<0.207	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: 119326
Prep Batch: 100879

Date Analyzed: 2015-02-12
QC Preparation: 2015-02-11

Analyzed By: LM
Prepared By: PM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		2,3,5,7,8	0.517	mg/L	1	0.500	<0.00459	103	85 - 115

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Total Phosphorous		2,3,5,7,8	0.511	mg/L	1	0.500	<0.00459	102	85 - 115	1	20

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

Laboratory Control Spike (LCS-1)QC Batch: 119378
Prep Batch: 100954Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Sulfide		2	0.419	mg/L	1	0.400	<0.0117	105	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	0.418	mg/L	1	0.400	<0.0117	104	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: 119391
Prep Batch: 100964Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,7,8	43.4	mg/L	1	50.0	<1.80	87	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: 119488
Prep Batch: 100992Date Analyzed: 2015-02-18
QC Preparation: 2015-02-17Analyzed By: LM
Prepared By: PM

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Phosphorous		2,3,5,7,8	0.464	mg/L	1	0.500	<0.00459	93	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		2,3,5,7,8	0.455	mg/L	1	0.500	<0.00459	91	85 - 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: 119496
Prep Batch: 101059

Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19

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	<1.80	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. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	46.2	mg/L	1	50.0	<1.80	92	5	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: 386340

QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
Prep Batch: 100892 QC Preparation: 2015-02-11 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	3470	mg/L	100	2500	1140	93	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	3440	mg/L	100	2500	1140	92	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: 386340

QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
Prep Batch: 100892 QC Preparation: 2015-02-11 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	485	mg/L	100	500	<0.274	97	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	474	mg/L	100	500	<0.274	95	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: 386340

QC Batch: 119306 Date Analyzed: 2015-02-11 Analyzed By: RL
Prep Batch: 100892 QC Preparation: 2015-02-11 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		2,3,5,7,8	2440	mg/L	100	2500	155	91	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							
Sulfate		2,3,5,7,8	2470	mg/L	100	2500	155	93	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: 386412

QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
Prep Batch: 100893 QC Preparation: 2015-02-11 Prepared By: RL

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		2,3,5,7,8	361	mg/L	10	250	108	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		2,3,5,7,8	359	mg/L	10	250	108	100	80 - 120	1	20

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

Matrix Spike (MS-1) Spiked Sample: 386412

QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
Prep Batch: 100893 QC Preparation: 2015-02-11 Prepared By: RL

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		2,3,5,7,8	57.7	mg/L	10	50.0	<0.0274	115	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		2,3,5,7,8	56.7	mg/L	10	50.0	<0.0274	100	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: 386412

QC Batch: 119307 Date Analyzed: 2015-02-11 Analyzed By: RL
Prep Batch: 100893 QC Preparation: 2015-02-11 Prepared By: RL

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Sulfate		2,3,5,7,8	605	mg/L	10	250	323	113	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							
Sulfate		2,3,5,7,8	601	mg/L	10	250	323	111	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: 386385

QC Batch: 119326
Prep Batch: 100879

Date Analyzed: 2015-02-12
QC Preparation: 2015-02-11

Analyzed By: LM
Prepared By: PM

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Phosphorous		2,3,5,7,8	0.805	mg/L	1	0.500	0.3554	90	75 - 125

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							
Total Phosphorous		2,3,5,7,8	0.813	mg/L	1	0.500	0.3554	92	75 - 125	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: 386341

QC Batch: 119378
Prep Batch: 100954

Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16

Analyzed By: CF
Prepared By: CF

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Sulfide		qs 2	0.0878	mg/L	1	0.400	<0.0117	22	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Sulfide		qs 2	0.0897	mg/L	1	0.400	<0.0117	22	49.4 - 134	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: 386339QC Batch: 119391
Prep Batch: 100964Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.80	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. Limit	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.80	91	76.4 - 120

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

Matrix Spike (MS-1) Spiked Sample: 387001QC Batch: 119488
Prep Batch: 100992Date Analyzed: 2015-02-18
QC Preparation: 2015-02-17Analyzed By: LM
Prepared By: PM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		2,3,5,7,8	0.454	mg/L	1	0.500	<0.00459	91	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 Limit
Total Phosphorous		2,3,5,7,8	0.450	mg/L	1	0.500	<0.00459	90	75 - 125

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

Matrix Spike (MS-1) Spiked Sample: 386452QC Batch: 119496
Prep Batch: 101059Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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. Limit	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.80	91	76.4 - 120

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: 119306

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.2	97	90 - 110	2015-02-11

Standard (CCV-1)

QC Batch: 119306

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.05	101	90 - 110	2015-02-11

Standard (CCV-1)

QC Batch: 119306

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	24.4	98	90 - 110	2015-02-11

Standard (CCV-2)

QC Batch: 119306

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.8	99	90 - 110	2015-02-11

Standard (CCV-2)

QC Batch: 119306

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.16	103	90 - 110	2015-02-11

Standard (CCV-2)

QC Batch: 119306

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	25.1	100	90 - 110	2015-02-11

Standard (CCV-1)

QC Batch: 119307

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.8	99	90 - 110	2015-02-11

Standard (CCV-1)

QC Batch: 119307

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.16	103	90 - 110	2015-02-11

Standard (CCV-1)

QC Batch: 119307

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	25.1	100	90 - 110	2015-02-11

Standard (CCV-2)

QC Batch: 119307

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.8	99	90 - 110	2015-02-11

Standard (CCV-2)

QC Batch: 119307

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.13	103	90 - 110	2015-02-11

Standard (CCV-2)

QC Batch: 119307

Date Analyzed: 2015-02-11

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	25.1	100	90 - 110	2015-02-11

Standard (ICV-1)

QC Batch: 119326

Date Analyzed: 2015-02-12

Analyzed By: LM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		2,3,5,7,8	mg/L	5.00	4.90	98	90 - 110	2015-02-12

Standard (CCV-1)

QC Batch: 119326

Date Analyzed: 2015-02-12

Analyzed By: LM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		2,3,5,7,8	mg/L	5.00	5.10	102	90 - 110	2015-02-12

Standard (ICV-1)

QC Batch: 119378

Date Analyzed: 2015-02-16

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	0.407	102	85 - 115	2015-02-16

Standard (CCV-1)

QC Batch: 119378

Date Analyzed: 2015-02-16

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	0.417	104	85 - 115	2015-02-16

Standard (ICV-1)

QC Batch: 119391

Date Analyzed: 2015-02-16

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	2015-02-16

Standard (CCV-1)

QC Batch: 119391

Date Analyzed: 2015-02-16

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	2015-02-16

Standard (ICV-1)

QC Batch: 119488

Date Analyzed: 2015-02-18

Analyzed By: LM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		2,3,5,7,8	mg/L	5.00	4.92	98	90 - 110	2015-02-18

Standard (CCV-1)

QC Batch: 119488

Date Analyzed: 2015-02-18

Analyzed By: LM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		2,3,5,7,8	mg/L	5.00	4.92	98	90 - 110	2015-02-18

Standard (ICV-1)

QC Batch: 119496

Date Analyzed: 2015-02-19

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	2015-02-19

Standard (CCV-1)

QC Batch: 119496

Date Analyzed: 2015-02-19

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	4.90	98	85 - 115	2015-02-19

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	Pass
P, Total	S 6010C	water	PE 8300	Total Phosphorous	0.100	Pass
SO4 (IC)	E 300.0	water	Dionex IC	Sulfate	0.400	Pass
Sulfide	SM 4500-S2 D	water	Spectrophotometer	Sulfide	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	Lubbock
8		2014-018	Lubbock

Standard Flags

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

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

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

TraceAnalysis, Inc.
 Lubbock, TX 79424
 Tel (806) 794-1298
 Fax (806) 794-1298
 Phone #: 915-859-8150
 Cell #:
 Fax #:
 E-mail: vavala@dhpump.com

Company Name: D&H Petroleum & Environmental Services
Address: (Street, City, Zip) 1221 Tower Trail Ln., El Paso, Texas 79907
Contact Person: Victor Ayala
Invoice to (if different from above): Mountain View Dairy, P.O. Box 345, Mesquite, NM 88048
Project #:
Project Name: Mountain View Dairy
Sampler Signature: *[Signature]*
John DeRuyter 575-233-3899

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
386336	70-01	1	250	X				X		X			2-10-15	12:15
337	70-01	1		X				X		X			10:24	10:24
338	70-02	1		X				X		X			9:04	9:04
339	70-03	1		X				X		X			11:28	11:28
340	70-04	1		X				X		X			10:43	10:43
341	70 Lagoon	1		X				X		X			10:43	10:43
	70 Lagoon	1		X				X		X			9:20	9:20
	70 Lagoon	1		X				X		X			9:20	9:20
	70 Lagoon	1		X				X		X			9:20	9:20
	North Stormwater Lagoon	1		X				X		X			9:20	9:20
	North Stormwater Lagoon	1		X				X		X			9:20	9:20
	North Stormwater Lagoon	1		X				X		X			9:20	9:20
	North Stormwater Lagoon	1		X				X		X			9:20	9:20

Relinquished By: *[Signature]* Date: 2-10-15 Time: 16:30
Received By: *[Signature]* Date: 2-10-15 Time: 14:02
Relinquished By: *[Signature]* Date: 2-10-15 Time: 9:05
Received at Laboratory By: *[Signature]* Date: 2/11/15 Time: 9:05
Lab Use Only
 Intact Y / N
 Headspace Y / N
 Temp 22 DE-1
 Log-in Review *[Signature]*
 2-10-15

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	X
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
Sulfate EPA Method 300.0	X
Total Sulfur	X
Turn Around Time	

Remarks: on Jan 330
[Signature] 25 19170200
 (16)
 Dry Weight Basis Required
 TRRP Report Required

TraceAnalysis, Inc.

Company Name:
D&H Petroleum & Environmental Services

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

Paso, TX 79932
Tel (915) 585-3443
Fax (915) 585-4944

Address: (Street, City, Zip)
1221 Tower Trail Ln., El Paso, Texas 79907
Contact Person:
Victor Ayala

Project Location (including state):
Mountain View Dairy, P.O. Box 345, Mesquite, NM 88048
Project #:

Project Name:
Mountain View Dairy
Sampler Signature: *[Signature]*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				Sampling		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICF	NONE	DATE
386342	South Stormwater Lagoon	1	2.56	X				X		X			2-10-15	9:36
	South Stormwater Lagoon	1		X					X	X			9:36	9:36
	South Stormwater Lagoon	1		X					X				9:36	9:36
	South Stormwater Lagoon	1		X				X					9:36	9:36

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)	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
15621024									X	X	X	X		X		

Relinquished By: *[Signature]* Date: 2-10-15 Time: 14:30

Received By: MRC TAP Date: 2-10-15 Time: 14:02

Relinquished By: MRC Date: 2-10-15 Time: 14:30

Received at Laboratory By: *[Signature]* Date: 2/11/15 Time: 9:05

Lab Use Only
Intact / N
Headspace Y / N
Temp 12.1 - 2°C
Log-in Review *[Signature]*

Remarks: ON FILE 3-3
25 49170900
Carmen
Dry Weight Basis Required
TRRP Report Required

2-10-15



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: February 24, 2015

Work Order: 15021235



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
386687	624-01	Water	2015-02-12	12:03	2015-02-12
386688	624-02	Water	2015-02-12	13:12	2015-02-12
386689	624-Lagoon	Water	2015-02-12	13:34	2015-02-12

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.

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.

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 2015-02-12 and assigned to work order 15021235. Samples for work order 15021235 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	100957	2015-02-13 at 15:00	119383	2015-02-13 at 18:06
NO3 (IC)	E 300.0	100957	2015-02-13 at 15:00	119383	2015-02-13 at 18:06
TDS	SM 2540C	100975	2015-02-16 at 12:30	119400	2015-02-16 at 12:30
TKN	SM 4500-NH3 B,C	101134	2015-02-24 at 10:30	119584	2015-02-24 at 14:10

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 15021235 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: 386687 - 624-01

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119383 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100957 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,9	798	798	71.8	mg/L	100	34.9	2.5	0.349

Sample: 386687 - 624-01

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119383 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100957 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,9	9.54	9.54	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386687 - 624-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119400 Date Analyzed: 2015-02-16 Analyzed By: MC
 Prep Batch: 100975 Sample Preparation: 2015-02-16 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	2880	2880	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386687 - 624-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119584 Date Analyzed: 2015-02-24 Analyzed By: CF
 Prep Batch: 101134 Sample Preparation: 2015-02-24 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	2,3,7,9	2.10	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386688 - 624-02

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119383 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100957 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,9	810	810	71.8	mg/L	100	34.9	2.5	0.349

Sample: 386688 - 624-02

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119383 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100957 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,9	17.0	17.0	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386688 - 624-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119400 Date Analyzed: 2015-02-16 Analyzed By: MC
 Prep Batch: 100975 Sample Preparation: 2015-02-16 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	3320	3320	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386688 - 624-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119584 Date Analyzed: 2015-02-24 Analyzed By: CF
 Prep Batch: 101134 Sample Preparation: 2015-02-24 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386689 - 624-Lagoon

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119383 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100957 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,9	2800	2800	359	mg/L	500	174	2.5	0.349

Sample: 386689 - 624-Lagoon

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119383 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100957 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	U	2,3,5,7,9	<0.0137	<0.200	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386689 - 624-Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119400 Date Analyzed: 2015-02-16 Analyzed By: MC
 Prep Batch: 100975 Sample Preparation: 2015-02-16 Prepared By: MC

continued . . .

sample 386689 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	14000	14000	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386689 - 624-Lagoon

Laboratory: Lubbock
 Analysis: TKN
 QC Batch: 119584
 Prep Batch: 101134

Analytical Method: SM 4500-NH3 B,C
 Date Analyzed: 2015-02-24
 Sample Preparation: 2015-02-24

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		2,3,7,9	188	188	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119383
Prep Batch: 100957Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,9	0.718	mg/L	0.349

Method Blank (1)

QC Batch: 119383
Prep Batch: 100957Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,9	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119400
Prep Batch: 100975Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed 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: 119584
Prep Batch: 101134Date Analyzed: 2015-02-24
QC Preparation: 2015-02-24Analyzed By: CF
Prepared By: CF

Report Date: February 24, 2015

Work Order: 15021235
Dominguez Dairy #1

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13950 Stern Dr., Mesquite, NM

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,9	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 386687

QC Batch: 119400
 Prep Batch: 100975

Date Analyzed: 2015-02-16
 QC Preparation: 2015-02-16

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2860	2880	mg/L	1	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119383
Prep Batch: 100957Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,9	23.5	mg/L	1	25.0	0.718	91	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		2,3,5,7,9	24.0	mg/L	1	25.0	0.718	93	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119383
Prep Batch: 100957Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,9	4.88	mg/L	1	5.00	<0.00274	98	90 - 110

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,9	5.18	mg/L	1	5.00	<0.00274	104	90 - 110	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: 119400
Prep Batch: 100975Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	999	mg/L	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	994	mg/L	1	1000	<2.50	99	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: 119584
 Prep Batch: 101134

Date Analyzed: 2015-02-24
 QC Preparation: 2015-02-24

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	<1.80	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. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	46.2	mg/L	1	50.0	<1.80	92	82.3 - 115	5	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: 386690QC Batch: 119383
Prep Batch: 100957Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,9	3400	mg/L	100	2500	835	103	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,9	3300	mg/L	100	2500	835	99	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: 386690QC Batch: 119383
Prep Batch: 100957Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,9	534	mg/L	100	500	26.1	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		2,3,5,7,9	522	mg/L	100	500	26.1	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: 386691QC Batch: 119584
Prep Batch: 101134Date Analyzed: 2015-02-24
QC Preparation: 2015-02-24Analyzed 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	43.4	mg/L	1	50.0	<1.80	87	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	44.1	mg/L	1	50.0	<1.80	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-1)

QC Batch: 119383

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,9	mg/L	25.0	23.8	95	90 - 110	2015-02-13

Standard (CCV-1)

QC Batch: 119383

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,9	mg/L	5.00	5.12	102	90 - 110	2015-02-13

Standard (CCV-2)

QC Batch: 119383

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,9	mg/L	25.0	23.6	94	90 - 110	2015-02-13

Standard (CCV-2)

QC Batch: 119383

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,9	mg/L	5.00	5.09	102	90 - 110	2015-02-13

Standard (ICV-1)

QC Batch: 119584

Date Analyzed: 2015-02-24

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	2015-02-24

Standard (CCV-1)

QC Batch: 119584

Date Analyzed: 2015-02-24

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	4.76	95	85 - 115	2015-02-24

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	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.

LAB Order ID # 15021235

LAB #	Field Code	# Containers	Volume/Amount	MATRIX	PRESERVATIVE METHOD					DATE	SAMPLING TIME	TX 1005 Extended (C35)	TPH 418.1 / TX1005	MTBE 8021B/602	BTEX 8021B/602	PAH 8270C	PAH 8270 (Low Level Analysis)	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	Nitrates EPA 300	TKN SM 4500 NORG C	Chloride EPA 300	Total Dissolved Solids SM 2540 C MOD	Turn Around Time	Hold
386687-1	624-01	1	250	WATER	X	X	X	X	X	X	2-12-15	12:03								X	X	X		
1-2	624-01	1	250	WATER	X	X	X	X	X	X		12:03								X	X	X		
688-1	624-02	1	250	WATER	X	X	X	X	X	X		13:12								X	X	X		
1-2	624-02	1	250	WATER	X	X	X	X	X	X		13:12								X	X	X		
688-1	624-Lagoon	1	250	WATER	X	X	X	X	X	X		13:34								X	X	X		
1-2	624-Lagoon	1	250	WATER	X	X	X	X	X	X		13:34								X	X	X		
		1		WATER	X	X	X	X	X	X										X	X	X		
		1		WATER	X	X	X	X	X	X										X	X	X		
		1		WATER	X	X	X	X	X	X										X	X	X		
		1		WATER	X	X	X	X	X	X										X	X	X		
		1		WATER	X	X	X	X	X	X										X	X	X		
		1		WATER	X	X	X	X	X	X										X	X	X		
		1		WATER	X	X	X	X	X	X										X	X	X		

Company Name: Trace Analysis, Inc.
Address: 1221 Tower Trail Ln, El Paso TX 79907
Phone #: 915-859-8150
Cell #:
Fax #:
E-mail: vajala@dhpump.com
Project Name: NA
Project Location (including state): Dominguez Dairy #1, 13950 Stern Dr., Mesquite, NM 88048
Project #:
Invoice to (if different from above): Isaac Dominguez 575-649-7040
Project Name: Dominguez Dairy #1
Sampler Signature: *Jub*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX	PRESERVATIVE METHOD					DATE	SAMPLING TIME	
386687-1	624-01	1	250	WATER	X	X	X	X	X	X	2-12-15	12:03
1-2	624-01	1	250	WATER	X	X	X	X	X	X		12:03
688-1	624-02	1	250	WATER	X	X	X	X	X	X		13:12
1-2	624-02	1	250	WATER	X	X	X	X	X	X		13:12
688-1	624-Lagoon	1	250	WATER	X	X	X	X	X	X		13:34
1-2	624-Lagoon	1	250	WATER	X	X	X	X	X	X		13:34

Relinquished By: *Jub* Date: 2-12-15 Time: 14:00

Relinquished By: *MLC TREP* Date: 2-12-15 Time: 16:30

Received By: *MLC TREP* Date: 2-12-15 Time: 14:00

Received at Laboratory By: *MLC TREP* Date: 2-12-15 Time: 16:30

Lab Use Only
 Intact Y/N
 Headspace Y/N
 Temp. ML/SL
 Log-in Review ML

Remarks: *on file*

Dry Weight Basis Required
 TRRP Report Required

TraceAnalysis, Inc.
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298
 15021235
 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

Project Name: Dominguez Dairy #1
 Project Location (including state): Dominguez Dairy #1, 13950 Stern Dr., Mesquite, NM
 Project #: NA
 Sampler Signature: *jug*
 Invoiced to (if different from above): Isaac Dominguez 575-649-7040
 Dominguez Dairy #1, PO Box 21, Mesquite, NM 88048

LAB #	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				Sampling		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
386687-1	624-01	1	250	X				X				2-12-15	12:03
1-2	624-01	1	250	X				X				2-12-15	12:03
688-1	624-02	1	250	X				X				13:12	13:12
1-2	624-02	1	250	X				X				13:12	13:12
689-1	624-04	1	250	X				X				13:34	13:34
1-2	624-04	1	250	X				X				13:34	13:34
624-05		1		X				X					
624-06		1		X				X					
624-08		1		X				X					
624-09		1		X				X					
624-07		1		X				X					
624-08		1		X				X					
624-09		1		X				X					
624-10		1		X				X					
624-11		1		X				X					
624-12		1		X				X					

Relinquished By: *jug* Date: 2-12-15 Time: 14:00
 Received By: *MCC* Date: 2-12-15 Time: 14:00
 Relinquished By: *MCC* Date: 2-12-15 Time: 16:30
 Received By: *Dianna* Date: 2-12-15 Time: 16:30
 Relinquished By: *MCC* Date: 2-12-15 Time: 16:30
 Received By: *Dianna* Date: 2-12-15 Time: 16:30
 Relinquished By: *MCC* Date: 2-12-15 Time: 16:30
 Received By: *Dianna* Date: 2-12-15 Time: 16:30

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

Remarks: on Ice
 25 19/7018
 410
 Dry Weight Basis Required
 TRRP Report Required

2-12-15



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

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

Report Date: February 25, 2015

Work Order: 15021624



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
386996	74-04	water	2015-02-16	10:16	2015-02-16
386997	74-05	water	2015-02-16	11:15	2015-02-16

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.

This report consists of a total of 18 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.

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 2015-02-16 and assigned to work order 15021624. Samples for work order 15021624 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	100999	2015-02-17 at 15:00	119427	2015-02-17 at 16:06
NO3 (IC)	E 300.0	100999	2015-02-17 at 15:00	119427	2015-02-17 at 16:06
TDS	SM 2540C	101073	2015-02-19 at 14:15	119509	2015-02-19 at 14:15
TKN	SM 4500-NH3 B,C	101160	2015-02-25 at 10:30	119609	2015-02-25 at 13:35

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 15021624 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: 386996 - 74-04

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119427 Date Analyzed: 2015-02-17 Analyzed By: RL
 Prep Batch: 100999 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	491	491	72.7	mg/L	100	34.9	2.5	0.349

Sample: 386996 - 74-04

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119427 Date Analyzed: 2015-02-17 Analyzed By: RL
 Prep Batch: 100999 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	13.4	13.4	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386996 - 74-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119509 Date Analyzed: 2015-02-19 Analyzed By: MC
 Prep Batch: 101073 Sample Preparation: 2015-02-19 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	1520	1520	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386996 - 74-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119609 Date Analyzed: 2015-02-25 Analyzed By: CF
 Prep Batch: 101160 Sample Preparation: 2015-02-25 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	2,3,7,8	2.10	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386997 - 74-05

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119427 Date Analyzed: 2015-02-17 Analyzed By: RL
 Prep Batch: 100999 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	504	504	72.7	mg/L	100	34.9	2.5	0.349

Sample: 386997 - 74-05

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119427 Date Analyzed: 2015-02-17 Analyzed By: RL
 Prep Batch: 100999 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	16.9	16.9	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386997 - 74-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119509 Date Analyzed: 2015-02-19 Analyzed By: MC
 Prep Batch: 101073 Sample Preparation: 2015-02-19 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	1840	1840	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386997 - 74-05

Report Date: February 25, 2015

Work Order: 15021624
Buena Vista Dairy #2

Page Number: 6 of 18
16910 Stern Drive, Mesquite NM

Laboratory: Lubbock

Analysis: TKN

QC Batch: 119609

Prep Batch: 101160

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-02-25

Sample Preparation: 2015-02-25

Prep Method: N/A

Analyzed By: CF

Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119427
Prep Batch: 100999Date Analyzed: 2015-02-17
QC Preparation: 2015-02-17Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.727	mg/L	0.349

Method Blank (1)

QC Batch: 119427
Prep Batch: 100999Date Analyzed: 2015-02-17
QC Preparation: 2015-02-17Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119509
Prep Batch: 101073Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	4.00	mg/L	2.5

Method Blank (1)

QC Batch: 119609
Prep Batch: 101160Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed By: CF
Prepared By: CF

Report Date: February 25, 2015

Work Order: 15021624
Buena Vista Dairy #2

Page Number: 8 of 18
16910 Stern Drive, Mesquite NM

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 386996

QC Batch: 119509
 Prep Batch: 101073

Date Analyzed: 2015-02-19
 QC Preparation: 2015-02-19

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1420	1520	mg/L	1	7	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119427
Prep Batch: 100999Date Analyzed: 2015-02-17
QC Preparation: 2015-02-17Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	24.2	mg/L	1	25.0	0.727	94	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		2,3,5,7,8	24.0	mg/L	1	25.0	0.727	93	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: 119427
Prep Batch: 100999Date Analyzed: 2015-02-17
QC Preparation: 2015-02-17Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	5.10	mg/L	1	5.00	<0.00274	102	90 - 110

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	5.22	mg/L	1	5.00	<0.00274	104	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119509
Prep Batch: 101073Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	999	mg/L	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	993	mg/L	1	1000	<2.50	99	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: 119609
Prep Batch: 101160

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

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	43.4	mg/L	1	50.0	<1.80	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		2,3,7,8	44.8	mg/L	1	50.0	<1.80	90	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: 387000QC Batch: 119427
Prep Batch: 100999Date Analyzed: 2015-02-17
QC Preparation: 2015-02-17Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	3100	mg/L	100	2500	591	100	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Chloride		2,3,5,7,8	3070	mg/L	100	2500	591	99	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: 387000QC Batch: 119427
Prep Batch: 100999Date Analyzed: 2015-02-17
QC Preparation: 2015-02-17Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	534	mg/L	100	500	27.2	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. Limit	RPD	RPD Limit	
Nitrate-N		2,3,5,7,8	526	mg/L	100	500	27.2	100	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: 386997QC Batch: 119609
Prep Batch: 101160Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	42.7	mg/L	1	50.0	<1.80	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	45.5	mg/L	1	50.0	<1.80	91	76.4 - 120	6	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: 119427

Date Analyzed: 2015-02-17

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.9	96	90 - 110	2015-02-17

Standard (CCV-1)

QC Batch: 119427

Date Analyzed: 2015-02-17

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.05	101	90 - 110	2015-02-17

Standard (CCV-2)

QC Batch: 119427

Date Analyzed: 2015-02-17

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.3	97	90 - 110	2015-02-17

Standard (CCV-2)

QC Batch: 119427

Date Analyzed: 2015-02-17

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.26	105	90 - 110	2015-02-17

Standard (ICV-1)

QC Batch: 119609

Date Analyzed: 2015-02-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.34	87	85 - 115	2015-02-25

Standard (CCV-1)

QC Batch: 119609

Date Analyzed: 2015-02-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.90	98	85 - 115	2015-02-25

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	Lubbock
8		2014-018	Lubbock

Standard Flags

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

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

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

TraceAnalysis, Inc.

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1 (800) 378-1296

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El Paso, Texas 79922
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1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

email: lab@traceanalysis.com

Company Name: DWH Petroleum & Environmental Phone #: 915-859-8156

Address: (Street, City, Zip) 1221 Tower Trail Ln, El Paso, TX, 79927 Fax #: _____

Contact Person: Victor Ayala E-mail: vayala@dhpump.com

Invoice to: _____

(If different from above) Po Box 346, Mesquite, NM 88046 Fernie 575-233-4646

Project #: 461603 Project Name: Brew Vista II

Project Location (including state): 16910 Stem Dr, Mesquite, NM Sampler 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
↓ 286 74-04		1	250	X				X				X	2-16-15	10:16
↓ 287 74-04		1	250	X				X				X	10:16	
↓ 288 74-05		1	250	X				X				X	11:15	
↓ 289 74-05		1	250	X				X				X	11:15	

ANALYSIS REQUEST
(Circle or Specify Method No.)

Turn Around Time if different from standard	Hold	Na, Ca, Mg, K, TDS, EC	NITRATE 300.0 EPA	TKN 5M 4500 NORG C	Chloride EM 300.0	TDS 5M 2540 C MOD
			X	X	X	X
			X	X	X	X

LAB USE ONLY

Received by: [Signature] Company: DWH Date: 2-16-15 Time: 13:58

Relinquished by: [Signature] Company: DWH Date: 2-16-15 Time: 16:30

INST: 22 OBS: 2 COR: 0

INST: 3 OBS: 3 COR: 0

INST: 15 OBS: 15 COR: 3

INST: 15 OBS: 15 COR: 3

Received by: _____ Company: _____ Date: _____ Time: _____

Relinquished by: _____ Company: _____ Date: _____ Time: _____

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # 49170916

ORIGINAL COPY



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: February 25, 2015

Work Order: 15021342



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
386889	74-1	water	2015-02-13	11:41	2015-02-13
386890	74-2	water	2015-02-13	10:30	2015-02-13
386891	74-3	water	2015-02-13	09:45	2015-02-13
386892	74 Lagoon	water	2015-02-13	11:52	2015-02-13

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.

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 Buena Vista Dairy #2 were received by TraceAnalysis, Inc. on 2015-02-13 and assigned to work order 15021342. Samples for work order 15021342 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	100982	2015-02-16 at 12:00	119410	2015-02-16 at 12:53
Chloride (IC)	E 300.0	100988	2015-02-16 at 12:00	119412	2015-02-16 at 12:53
NO3 (IC)	E 300.0	100982	2015-02-16 at 12:00	119410	2015-02-16 at 12:53
NO3 (IC)	E 300.0	100988	2015-02-16 at 12:00	119412	2015-02-16 at 12:53
TDS	SM 2540C	100975	2015-02-16 at 12:30	119400	2015-02-16 at 12:30
TDS	SM 2540C	101073	2015-02-19 at 14:15	119509	2015-02-19 at 14:15
TKN	SM 4500-NH3 B,C	101160	2015-02-25 at 10:30	119609	2015-02-25 at 13:35

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 15021342 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: 386889 - 74-1

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119410 Date Analyzed: 2015-02-16 Analyzed By: RL
 Prep Batch: 100982 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		2,3,5,7,8	812	812	76.7	mg/L	100	34.9	2.5	0.349

Sample: 386889 - 74-1

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119410 Date Analyzed: 2015-02-16 Analyzed By: RL
 Prep Batch: 100982 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	H	2,3,5,7,8	59.9	59.9	<0.274	mg/L	100	0.274	0.04	0.00274

Sample: 386889 - 74-1

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119400 Date Analyzed: 2015-02-16 Analyzed By: MC
 Prep Batch: 100975 Sample Preparation: 2015-02-16 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	3160	3160	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386889 - 74-1

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119609 Date Analyzed: 2015-02-25 Analyzed By: CF
 Prep Batch: 101160 Sample Preparation: 2015-02-25 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386890 - 74-2

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119412 Date Analyzed: 2015-02-16 Analyzed By: RL
 Prep Batch: 100988 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	519	519	81.1	mg/L	100	34.9	2.5	0.349

Sample: 386890 - 74-2

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119412 Date Analyzed: 2015-02-16 Analyzed By: RL
 Prep Batch: 100988 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	H	2,3,5,7,8	23.5	23.5	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386890 - 74-2

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119400 Date Analyzed: 2015-02-16 Analyzed By: MC
 Prep Batch: 100975 Sample Preparation: 2015-02-16 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	2300	2300	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386890 - 74-2

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119609 Date Analyzed: 2015-02-25 Analyzed By: CF
 Prep Batch: 101160 Sample Preparation: 2015-02-25 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386891 - 74-3

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119412 Date Analyzed: 2015-02-16 Analyzed By: RL
 Prep Batch: 100988 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	1260	1260	81.1	mg/L	100	34.9	2.5	0.349

Sample: 386891 - 74-3

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119412 Date Analyzed: 2015-02-16 Analyzed By: RL
 Prep Batch: 100988 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	H	2,3,5,7,8	1.07	1.07	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386891 - 74-3

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119400 Date Analyzed: 2015-02-16 Analyzed By: MC
 Prep Batch: 100975 Sample Preparation: 2015-02-16 Prepared By: MC

continued . . .

sample 386891 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	4330	4330	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386891 - 74-3

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119609 Date Analyzed: 2015-02-25 Analyzed By: CF
 Prep Batch: 101160 Sample Preparation: 2015-02-25 Prepared By: CF

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386892 - 74 Lagoon

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119412 Date Analyzed: 2015-02-16 Analyzed By: RL
 Prep Batch: 100988 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride	B	2,3,5,7,8	357	357	81.1	mg/L	100	34.9	2.5	0.349

Sample: 386892 - 74 Lagoon

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119412 Date Analyzed: 2015-02-16 Analyzed By: RL
 Prep Batch: 100988 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	H,U	2,3,5,7,8	<0.0137	<0.200	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386892 - 74 Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119509 Date Analyzed: 2015-02-19 Analyzed By: MC
 Prep Batch: 101073 Sample Preparation: 2015-02-19 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	1820	1820	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386892 - 74 Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119609 Date Analyzed: 2015-02-25 Analyzed By: CF
 Prep Batch: 101160 Sample Preparation: 2015-02-25 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		2,3,7,8	30.1	30.1	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119400
Prep Batch: 100975Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed 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: 119410
Prep Batch: 100982Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.767	mg/L	0.349

Method Blank (1)

QC Batch: 119410
Prep Batch: 100982Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119412
Prep Batch: 100988Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.811	mg/L	0.349

Method Blank (1)QC Batch: 119412
Prep Batch: 100988Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)QC Batch: 119509
Prep Batch: 101073Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	4.00	mg/L	2.5

Method Blank (1)QC Batch: 119609
Prep Batch: 101160Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 386687

QC Batch: 119400 Date Analyzed: 2015-02-16 Analyzed By: MC
 Prep Batch: 100975 QC Preparation: 2015-02-16 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2860	2880	mg/L	1	1	10

Duplicate (1) Duplicated Sample: 386996

QC Batch: 119509 Date Analyzed: 2015-02-19 Analyzed By: MC
 Prep Batch: 101073 QC Preparation: 2015-02-19 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1420	1520	mg/L	1	7	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119400
Prep Batch: 100975Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	999	mg/L	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. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	994	mg/L	1	1000	<2.50	99	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: 119410
Prep Batch: 100982Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	24.0	mg/L	1	25.0	0.767	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.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	23.5	mg/L	1	25.0	0.767	91	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119410
Prep Batch: 100982Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	5.09	mg/L	1	5.00	<0.00274	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		2,3,5,7,8	5.11	mg/L	1	5.00	<0.00274	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: 119412 Date Analyzed: 2015-02-16 Analyzed By: RL
Prep Batch: 100988 QC Preparation: 2015-02-16 Prepared By: RL

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		2,3,5,7,8	23.8	mg/L	1	25.0	0.811	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		2,3,5,7,8	24.2	mg/L	1	25.0	0.811	94	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119412 Date Analyzed: 2015-02-16 Analyzed By: RL
Prep Batch: 100988 QC Preparation: 2015-02-16 Prepared By: RL

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		2,3,5,7,8	5.06	mg/L	1	5.00	<0.00274	101	90 - 110

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

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		2,3,5,7,8	5.10	mg/L	1	5.00	<0.00274	102	90 - 110	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119509 Date Analyzed: 2015-02-19 Analyzed By: MC
Prep Batch: 101073 QC Preparation: 2015-02-19 Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	999	mg/L	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	993	mg/L	1	1000	<2.50	99	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: 119609
Prep Batch: 101160

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

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	43.4	mg/L	1	50.0	<1.80	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		2,3,7,8	44.8	mg/L	1	50.0	<1.80	90	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: 386889QC Batch: 119410
Prep Batch: 100982Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	3350	mg/L	100	2500	812	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		2,3,5,7,8	3290	mg/L	100	2500	812	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: 386889QC Batch: 119410
Prep Batch: 100982Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	558	mg/L	100	500	59.9	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		2,3,5,7,8	558	mg/L	100	500	59.9	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: 385171QC Batch: 119412
Prep Batch: 100988Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	314	mg/L	10	250	69.9	98	80 - 120

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

Param	F	C	MSD		Dil.	Spike Amount	Matrix		Rec. Limit	RPD	RPD Limit
			Result	Units			Result	Rec.			
Chloride		2,3,5,7,8	323	mg/L	10	250	69.9	101	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: 385171

QC Batch: 119412 Date Analyzed: 2015-02-16 Analyzed By: RL
Prep Batch: 100988 QC Preparation: 2015-02-16 Prepared By: RL

Param	F	C	MS		Dil.	Spike Amount	Matrix		Rec. Limit
			Result	Units			Result	Rec.	
Nitrate-N		2,3,5,7,8	49.7	mg/L	10	50.0	<0.0274	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		Rec. Limit	RPD	RPD Limit
			Result	Units			Result	Rec.			
Nitrate-N		2,3,5,7,8	50.1	mg/L	10	50.0	<0.0274	100	80 - 120	1	20

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

Matrix Spike (MS-1) Spiked Sample: 386997

QC Batch: 119609 Date Analyzed: 2015-02-25 Analyzed By: CF
Prep Batch: 101160 QC Preparation: 2015-02-25 Prepared By: CF

Param	F	C	MS		Dil.	Spike Amount	Matrix		Rec. Limit
			Result	Units			Result	Rec.	
Total Kjeldahl Nitrogen - N		2,3,7,8	42.7	mg/L	1	50.0	<1.80	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		Dil.	Spike Amount	Matrix		Rec. Limit	RPD	RPD Limit
			Result	Units			Result	Rec.			
Total Kjeldahl Nitrogen - N		2,3,7,8	45.5	mg/L	1	50.0	<1.80	91	76.4 - 120	6	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: 119410

Date Analyzed: 2015-02-16

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.8	95	90 - 110	2015-02-16

Standard (CCV-1)

QC Batch: 119410

Date Analyzed: 2015-02-16

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.10	102	90 - 110	2015-02-16

Standard (CCV-2)

QC Batch: 119410

Date Analyzed: 2015-02-16

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.9	96	90 - 110	2015-02-16

Standard (CCV-2)

QC Batch: 119410

Date Analyzed: 2015-02-16

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.09	102	90 - 110	2015-02-16

Standard (CCV-1)

QC Batch: 119412

Date Analyzed: 2015-02-16

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.9	96	90 - 110	2015-02-16

Standard (CCV-1)

QC Batch: 119412

Date Analyzed: 2015-02-16

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.09	102	90 - 110	2015-02-16

Standard (CCV-2)

QC Batch: 119412

Date Analyzed: 2015-02-16

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.9	96	90 - 110	2015-02-16

Standard (CCV-2)

QC Batch: 119412

Date Analyzed: 2015-02-16

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.09	102	90 - 110	2015-02-16

Standard (ICV-1)

QC Batch: 119609

Date Analyzed: 2015-02-25

Analyzed By: CF

Report Date: February 25, 2015

Work Order: 15021342
Buena Vista Dairy #2

Page Number: 21 of 24
16910 Stern Drive, Mesquite, NM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.34	87	85 - 115	2015-02-25

Standard (CCV-1)

QC Batch: 119609

Date Analyzed: 2015-02-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.90	98	85 - 115	2015-02-25

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	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.

5010 MacArthur Blvd, Ste. 9
Lubbock, TX 79424
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Fax (806) 794-1298

TraceAnalysis, Inc.

Company Name: D&H Petroleum & Environmental Services
Address: (Street, City, Zip)
1221 Tower Trail Ln., El Paso, Texas 79907

Contact Person: Victor Ayala

Invoice to (if different from above): Buena Vista Dairy #2, P.O. Box 346, Mesquite, NM 88048

Project #: Project Name: Buena Vista Dairy #2
Sampler Signature: *[Signature]*

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

Paso, TX 79932
Tel (915) 585-3443
Fax (915) 585-4944

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

Fernie 575-233-4646

Project Name: Buena Vista Dairy #2
Sampler Signature: *[Signature]*

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

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				Sampling		DATE	TIME	Turn Around Time	Hold	
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE						
386889	74-1	1		X				X						2/13/15	11:41			
1-2	74-1	1		X				X						2/13/15	11:41			
90	74-2	1		X				X						2/13/15	10:30			
1-2	74-2	1		X				X						2/13/15	10:30			
191	74-3	1		X				X						2/13/15	9:45			
1-2	74-3	1		X				X						2/13/15	9:45			
74-4		1		X				X										
74-4		1		X				X										
74-5		1		X				X										
74-5		1		X				X										
386892	74 Lagoon	1		X				X						2/13/15	11:52			
1-2	74 Lagoon	1		X				X						2/13/15	11:52			

ANALYSIS REQUEST

TX 1005 Extended (C35)	
TPH 418.1 / TX1005	
BTEX 8021B/602	
MTBE 8021B/602	
PAH 8270C	
PAH 8270 (Low Level Analysis)	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	
Nitrates EPA 300	X
Total Kjeldahl Nitrogen SM 4500 NORG C	X
Chloride EPA 300.0	X
Total Dissolved Solids SM 2540 C MOD	X

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 15021342
Page 1 of 1

Remarks:
Lab Use Only
Intact Y N
Headspace Y N
Temp *12-1* / *4/4*
Log-in Review
Dry Weight Basis Required
TRRP Report Required

Relinquished By: *[Signature]* Date: 2/13/15 Time: 12:52
Received By: *[Signature]* Date: 2-13-15 Time: 12:52
Relinquished By: *[Signature]* Date: 2-13-15 Time: 12:52
Received at Laboratory By: *[Signature]* Date: 2-14-15 Time: 9:45
1B3-0.2 *LS 491 70917*



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

Bruce Bonestroo
 River Valley Dairy, LLC
 1400 La Chuga Rd., Mesquite
 P.O. Box 1929
 Anthony, NM, 88021

Report Date: February 27, 2015

Work Order: 15021843



Project Location: 1400 La Chuga Rd., Mesquite, NM
 Project Name: River Valley Dairy, LLC
 Project Number: 461596

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
387265	167-03	water	2015-02-18	13:20	2015-02-18
387266	167-04	water	2015-02-18	13:55	2015-02-18

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.

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.



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 2015-02-18 and assigned to work order 15021843. Samples for work order 15021843 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	101070	2015-02-19 at 12:00	119506	2015-02-19 at 15:57
NO3 (IC)	E 300.0	101070	2015-02-19 at 12:00	119506	2015-02-19 at 15:57
TDS	SM 2540C	101073	2015-02-19 at 14:15	119509	2015-02-19 at 14:15
TKN	SM 4500-NH3 B,C	101208	2015-02-27 at 11:20	119664	2015-02-27 at 14:25

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 15021843 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: 387265 - 167-03

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119506 Date Analyzed: 2015-02-19 Analyzed By: RL
 Prep Batch: 101070 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	429	429	74.0	mg/L	100	34.9	2.5	0.349

Sample: 387265 - 167-03

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119506 Date Analyzed: 2015-02-19 Analyzed By: RL
 Prep Batch: 101070 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	10.3	10.3	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 387265 - 167-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119509 Date Analyzed: 2015-02-19 Analyzed By: MC
 Prep Batch: 101073 Sample Preparation: 2015-02-19 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	1940	1940	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387265 - 167-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119664 Date Analyzed: 2015-02-27 Analyzed By: CF
 Prep Batch: 101208 Sample Preparation: 2015-02-27 Prepared By: CF

Report Date: February 27, 2015
461596

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River Valley Dairy, LLC

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1400 La Chuga Rd., Mesquite, NM

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387266 - 167-04

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119506 Date Analyzed: 2015-02-19 Analyzed By: RL
 Prep Batch: 101070 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	823	823	74.0	mg/L	100	34.9	2.5	0.349

Sample: 387266 - 167-04

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119506 Date Analyzed: 2015-02-19 Analyzed By: RL
 Prep Batch: 101070 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	27.7	27.7	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 387266 - 167-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119509 Date Analyzed: 2015-02-19 Analyzed By: MC
 Prep Batch: 101073 Sample Preparation: 2015-02-19 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	3450	3450	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387266 - 167-04

Report Date: February 27, 2015
461596

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River Valley Dairy, LLC

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Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 119664 Date Analyzed: 2015-02-27 Analyzed By: CF
Prep Batch: 101208 Sample Preparation: 2015-02-27 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119506
Prep Batch: 101070

Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.740	mg/L	0.349

Method Blank (1)

QC Batch: 119506
Prep Batch: 101070

Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119509
Prep Batch: 101073

Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19

Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	4.00	mg/L	2.5

Method Blank (1)

QC Batch: 119664
Prep Batch: 101208

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: CF
Prepared By: CF

Report Date: February 27, 2015
461596

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Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 386996

QC Batch: 119509
Prep Batch: 101073

Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1420	1520	mg/L	1	7	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119506
Prep Batch: 101070

Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	25.6	mg/L	1	25.0	0.74	99	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Chloride		2,3,5,7,8	25.6	mg/L	1	25.0	0.74	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: 119506
Prep Batch: 101070

Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	5.15	mg/L	1	5.00	<0.00274	103	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Nitrate-N		2,3,5,7,8	5.34	mg/L	1	5.00	<0.00274	107	90 - 110	4	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119509
Prep Batch: 101073

Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19

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	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.

Report Date: February 27, 2015
461596

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River Valley Dairy, LLC

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Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	993	mg/L	1	1000	<2.50	99	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: 119664
Prep Batch: 101208

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

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	<1.80	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.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	42.7	mg/L	1	50.0	<1.80	85	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: 387267

QC Batch: 119506 Date Analyzed: 2015-02-19 Analyzed By: RL
Prep Batch: 101070 QC Preparation: 2015-02-19 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	2880	mg/L	100	2500	498	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 Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Chloride		2,3,5,7,8	2920	mg/L	100	2500	498	97	80 - 120	1	20

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

Matrix Spike (MS-1) Spiked Sample: 387267

QC Batch: 119506 Date Analyzed: 2015-02-19 Analyzed By: RL
Prep Batch: 101070 QC Preparation: 2015-02-19 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	515	mg/L	100	500	<0.274	103	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Nitrate-N		2,3,5,7,8	504	mg/L	100	500	<0.274	101	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: 387361

QC Batch: 119664 Date Analyzed: 2015-02-27 Analyzed By: CF
Prep Batch: 101208 QC Preparation: 2015-02-27 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	88	76.4 - 120

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

Report Date: February 27, 2015
461596

Work Order: 15021843
River Valley Dairy, LLC

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1400 La Chuga Rd., Mesquite, NM

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.80	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: 119506

Date Analyzed: 2015-02-19

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	25.5	102	90 - 110	2015-02-19

Standard (CCV-1)

QC Batch: 119506

Date Analyzed: 2015-02-19

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.26	105	90 - 110	2015-02-19

Standard (CCV-2)

QC Batch: 119506

Date Analyzed: 2015-02-19

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	25.9	104	90 - 110	2015-02-19

Standard (CCV-2)

QC Batch: 119506

Date Analyzed: 2015-02-19

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.37	107	90 - 110	2015-02-19

Standard (ICV-1)

QC Batch: 119664

Date Analyzed: 2015-02-27

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	2015-02-27

Standard (CCV-1)

QC Batch: 119664

Date Analyzed: 2015-02-27

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	2015-02-27

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	Lubbock
8		2014-018	Lubbock

Standard Flags

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

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

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

TraceAnalysis, Inc.

Paso, TX 79932
Tel (915) 585-3443
Fax (915) 585-4944

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

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 #:

Project Name: Bruce Bonestroo 575-233-2061

River Valley Dairy, LLC

Sampler Signature: *[Signature]*

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		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
167-01		1		X			X	X	X	X	X			
167-01		1		X			X	X	X	X	X			
167-01A		1		X			X	X	X	X	X			
167-01A		1		X			X	X	X	X	X			
167-02		1		X			X	X	X	X	X			
167-02		1		X			X	X	X	X	X			
167-03		1		X			X	X	X	X	X	2-18-15	1320	
167-03		1		X			X	X	X	X	X	2-18-15	1320	
167-04		1		X			X	X	X	X	X	2-18-15	1355	
167-04		1		X			X	X	X	X	X	2-18-15	1355	
167-05		1		X			X	X	X	X	X			
167-05		1		X			X	X	X	X	X			
167-06		1		X			X	X	X	X	X			
167-06		1		X			X	X	X	X	X			
167-07		1		X			X	X	X	X	X			
167-07		1		X			X	X	X	X	X			

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
<i>[Signature]</i>	2/18/15	3:23pm	MKE	2/18/15	15:03
MKE	2/18/15	6:30	PLA	2/19/15	8:20
			183	5:8	

Page 1 of 1
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 15024843

ANALYSIS REQUEST	Hold
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 NORC C	X
Chloride EPA 300	X
Total Dissolved Solids SM 2540 C MOD	X

Remarks: order
Lab Use Only
Intaq Y IN
Headspace Y IN
Temp 30
Log-in Review 2-17-15
Dry Weight Basis Required
TRRP Report Required
carry in



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: February 27, 2015

Work Order: 15021939



DP: 461596
 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
387358	167-05	water	2015-02-19	09:11	2015-02-19
387359	167-07	water	2015-02-19	07:10	2015-02-19

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.

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.



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 2015-02-19 and assigned to work order 15021939. Samples for work order 15021939 were received intact at a temperature of 3.3 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	101123	2015-02-20 at 14:00	119571	2015-02-23 at 12:56
NO3 (IC)	E 300.0	101123	2015-02-20 at 14:00	119571	2015-02-23 at 12:56
TDS	SM 2540C	101118	2015-02-23 at 13:45	119564	2015-02-23 at 13:45
TKN	SM 4500-NH3 B,C	101208	2015-02-27 at 11:20	119664	2015-02-27 at 14:25

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 15021939 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: 387358 - 167-05

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119571 Date Analyzed: 2015-02-23 Analyzed By: RL
 Prep Batch: 101123 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	671	671	72.6	mg/L	100	34.9	2.5	0.349

Sample: 387358 - 167-05

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119571 Date Analyzed: 2015-02-23 Analyzed By: RL
 Prep Batch: 101123 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	H	2,3,5,7,8	4.97	4.97	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 387358 - 167-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119564 Date Analyzed: 2015-02-23 Analyzed By: MC
 Prep Batch: 101118 Sample Preparation: 2015-02-23 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	3080	3080	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387358 - 167-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119664 Date Analyzed: 2015-02-27 Analyzed By: CF
 Prep Batch: 101208 Sample Preparation: 2015-02-27 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387359 - 167-07

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119571 Date Analyzed: 2015-02-23 Analyzed By: RL
 Prep Batch: 101123 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	196	196	36.3	mg/L	50	17.4	2.5	0.349

Sample: 387359 - 167-07

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119571 Date Analyzed: 2015-02-23 Analyzed By: RL
 Prep Batch: 101123 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	H,U	2,3,5,7,8	<0.0137	<0.200	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 387359 - 167-07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119564 Date Analyzed: 2015-02-23 Analyzed By: MC
 Prep Batch: 101118 Sample Preparation: 2015-02-23 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	1600	1600	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387359 - 167-07

Report Date: February 27, 2015

Work Order: 15021939
River Valley Dairy, LLC

Page Number: 7 of 19
1400 La Chuga Rd., Mesquite, NM

Laboratory: Lubbock

Analysis: TKN

QC Batch: 119664

Prep Batch: 101208

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-02-27

Sample Preparation: 2015-02-27

Prep Method: N/A

Analyzed By: CF

Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119564
Prep Batch: 101118Date Analyzed: 2015-02-23
QC Preparation: 2015-02-23Analyzed 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: 119571
Prep Batch: 101123Date Analyzed: 2015-02-23
QC Preparation: 2015-02-20Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.726	mg/L	0.349

Method Blank (1)

QC Batch: 119571
Prep Batch: 101123Date Analyzed: 2015-02-23
QC Preparation: 2015-02-20Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119664
Prep Batch: 101208Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27Analyzed By: CF
Prepared By: CF

Report Date: February 27, 2015

Work Order: 15021939
River Valley Dairy, LLC

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1400 La Chuga Rd., Mesquite, NM

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 387363

QC Batch: 119564
 Prep Batch: 101118

Date Analyzed: 2015-02-23
 QC Preparation: 2015-02-23

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2180	2220	mg/L	1	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119564
 Prep Batch: 101118

Date Analyzed: 2015-02-23
 QC Preparation: 2015-02-23

Analyzed By: MC
 Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	998	mg/L	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. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	996	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: 119571
 Prep Batch: 101123

Date Analyzed: 2015-02-23
 QC Preparation: 2015-02-20

Analyzed By: RL
 Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	23.7	mg/L	1	25.0	0.726	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 Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	23.5	mg/L	1	25.0	0.726	91	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: 119571
 Prep Batch: 101123

Date Analyzed: 2015-02-23
 QC Preparation: 2015-02-20

Analyzed By: RL
 Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	4.86	mg/L	1	5.00	<0.00274	97	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	5.21	mg/L	1	5.00	<0.00274	104	90 - 110	7	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: 119664
Prep Batch: 101208

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

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	43.4	mg/L	1	50.0	<1.80	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		2,3,7,8	42.7	mg/L	1	50.0	<1.80	85	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: 387359QC Batch: 119571
Prep Batch: 101123Date Analyzed: 2015-02-23
QC Preparation: 2015-02-20Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	1360	mg/L	50	1250	196	93	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	1350	mg/L	50	1250	196	92	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: 387359QC Batch: 119571
Prep Batch: 101123Date Analyzed: 2015-02-23
QC Preparation: 2015-02-20Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	260	mg/L	50	250	<0.137	104	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	256	mg/L	50	250	<0.137	102	80 - 120	2	20

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

Matrix Spike (MS-1) Spiked Sample: 387361QC Batch: 119664
Prep Batch: 101208Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.80	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: 119571

Date Analyzed: 2015-02-23

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.4	94	90 - 110	2015-02-23

Standard (CCV-1)

QC Batch: 119571

Date Analyzed: 2015-02-23

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.24	105	90 - 110	2015-02-23

Standard (CCV-2)

QC Batch: 119571

Date Analyzed: 2015-02-23

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.2	97	90 - 110	2015-02-23

Standard (CCV-2)

QC Batch: 119571

Date Analyzed: 2015-02-23

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.25	105	90 - 110	2015-02-23

Standard (ICV-1)

QC Batch: 119664

Date Analyzed: 2015-02-27

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	2015-02-27

Standard (CCV-1)

QC Batch: 119664

Date Analyzed: 2015-02-27

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	2015-02-27

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	Lubbock
8		2014-018	Lubbock

Standard Flags

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

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

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

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

Invoice to (if different from above): River Valley Dairy, PO Box 1929, Anthony, NM 88021 Project Name: Bruce Bonestroo 575-233-2061
 Project #: 461596 Sampler Signature: [Signature]
 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				DATE	SAMPLING TIME	
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH			ICE
167-01		1		X			X	X	X	X			
167-01		1		X			X	X	X	X			
167-01A		1		X			X	X	X	X			
167-01A		1		X			X	X	X	X			
167-02		1		X			X	X	X	X			
167-02		1		X			X	X	X	X			
167-03		1		X			X	X	X	X			
167-03		1		X			X	X	X	X			
167-04		1		X			X	X	X	X			
167-04		1		X			X	X	X	X			
167-05		1		X			X	X	X	X			
167-05		1		X			X	X	X	X			
167-06		1		X			X	X	X	X			
167-06		1		X			X	X	X	X			
167-07		1		X			X	X	X	X			
167-07		1		X			X	X	X	X			
382358		1		X			X	X	X	X			
167-05		1		X			X	X	X	X			
167-06		1		X			X	X	X	X			
167-06		1		X			X	X	X	X			
167-07		1		X			X	X	X	X			
167-07		1		X			X	X	X	X			

Relinquished By: [Signature] Date: 2/19/15 Time: 3:09
 Received By: [Signature] Date: 2/19/15 Time: 10:09
 Relinquished By: [Signature] Date: 2/19/15 Time: 1630
 Received at Laboratory By: [Signature] Date: 2-20-15 Time: 9Am

ANALYSIS REQUEST

MTRE 8021B/602	
BTEX 8021B/602	
TPH 418.1 / TX1005	
TX 1005 Extended (C35)	
PAH 8270C	
PAH 8270 (Low Level Analysis)	
Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	
Nitrates EPA 300	X
TKN SM 4500 NORG C	X
Chloride EPA 300	X
Total Dissolved Solids SM 2540 C MOD	X

Turn Around Time

Remarks: 1R3 3.3
3.3
LSH9170913
 Dry Weight Basis Required
 ITRRP Report Required



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
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 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Bruce Bonestroo
 River Valley Dairy, LLC
 1400 La Chuga Rd., Mesquite
 P.O. Box 1929
 Anthony, NM, 88021

Report Date: February 27, 2015

Work Order: 15021940



Project Location: 1400 La Chuga Rd., Mesquite, NM
 Project Name: River Valley Dairy, LLC
 Project Number: 461596

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
387360	167-09	water	2015-02-19	09:45	2015-02-19

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.

This report consists of a total of 18 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.



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 2015-02-19 and assigned to work order 15021940. Samples for work order 15021940 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	101124	2015-02-20 at 14:00	119572	2015-02-23 at 12:56
NO3 (IC)	E 300.0	101124	2015-02-20 at 14:00	119572	2015-02-23 at 12:56
TDS	SM 2540C	101118	2015-02-23 at 13:45	119564	2015-02-23 at 13:45
TKN	SM 4500-NH3 B,C	101208	2015-02-27 at 11:20	119664	2015-02-27 at 14:25

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 15021940 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: 387360 - 167-09

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119572 Date Analyzed: 2015-02-23 Analyzed By: RL
 Prep Batch: 101124 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	719	719	69.2	mg/L	100	34.9	2.5	0.349

Sample: 387360 - 167-09

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119572 Date Analyzed: 2015-02-23 Analyzed By: RL
 Prep Batch: 101124 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	H	2,3,5,7,8	5.42	5.42	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 387360 - 167-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119564 Date Analyzed: 2015-02-23 Analyzed By: MC
 Prep Batch: 101118 Sample Preparation: 2015-02-23 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	2710	2710	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387360 - 167-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119664 Date Analyzed: 2015-02-27 Analyzed By: CF
 Prep Batch: 101208 Sample Preparation: 2015-02-27 Prepared By: CF

Report Date: February 27, 2015
461596

Work Order: 15021940
River Valley Dairy, LLC

Page Number: 6 of 18
1400 La Chuga Rd., Mesquite, NM

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Total Kjeldahl Nitrogen - N	u	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119564
Prep Batch: 101118

Date Analyzed: 2015-02-23
QC Preparation: 2015-02-23

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: 119572
Prep Batch: 101124

Date Analyzed: 2015-02-23
QC Preparation: 2015-02-20

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.692	mg/L	0.349

Method Blank (1)

QC Batch: 119572
Prep Batch: 101124

Date Analyzed: 2015-02-23
QC Preparation: 2015-02-20

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119664
Prep Batch: 101208

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: CF
Prepared By: CF

Report Date: February 27, 2015
461596

Work Order: 15021940
River Valley Dairy, LLC

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Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 387363

QC Batch: 119564
Prep Batch: 101118

Date Analyzed: 2015-02-23
QC Preparation: 2015-02-23

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2180	2220	mg/L	1	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119564
 Prep Batch: 101118

Date Analyzed: 2015-02-23
 QC Preparation: 2015-02-23

Analyzed 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.

Param	F	C	LCSD			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Total Dissolved Solids		1,4,6	996	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: 119572
 Prep Batch: 101124

Date Analyzed: 2015-02-23
 QC Preparation: 2015-02-20

Analyzed By: RL
 Prepared By: RL

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Chloride		2,3,5,7,8	24.1	mg/L	1	25.0	0.692	94	90 - 110

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

Param	F	C	LCSD			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Chloride		2,3,5,7,8	23.6	mg/L	1	25.0	0.692	92	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119572
 Prep Batch: 101124

Date Analyzed: 2015-02-23
 QC Preparation: 2015-02-20

Analyzed By: RL
 Prepared By: RL

Param	F	C	LCS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Nitrate-N		2,3,5,7,8	5.27	mg/L	1	5.00	<0.00274	105	90 - 110

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

Report Date: February 27, 2015
461596

Work Order: 15021940
River Valley Dairy, LLC

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Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	5.18	mg/L	1	5.00	<0.00274	104	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119664
Prep Batch: 101208

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

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	43.4	mg/L	1	50.0	<1.80	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		2,3,7,8	42.7	mg/L	1	50.0	<1.80	85	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: 387446

QC Batch: 119572 Date Analyzed: 2015-02-23 Analyzed By: RL
Prep Batch: 101124 QC Preparation: 2015-02-20 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	2720	mg/L	100	2500	476	90	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	2810	mg/L	100	2500	476	93	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: 387446

QC Batch: 119572 Date Analyzed: 2015-02-23 Analyzed By: RL
Prep Batch: 101124 QC Preparation: 2015-02-20 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	510	mg/L	100	500	13.8	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		2,3,5,7,8	528	mg/L	100	500	13.8	101	80 - 120	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: 387361

QC Batch: 119664 Date Analyzed: 2015-02-27 Analyzed By: CF
Prep Batch: 101208 QC Preparation: 2015-02-27 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	88	76.4 - 120

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

Report Date: February 27, 2015
461596

Work Order: 15021940
River Valley Dairy, LLC

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Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.80	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: 119572

Date Analyzed: 2015-02-23

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.2	97	90 - 110	2015-02-23

Standard (CCV-1)

QC Batch: 119572

Date Analyzed: 2015-02-23

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.25	105	90 - 110	2015-02-23

Standard (CCV-2)

QC Batch: 119572

Date Analyzed: 2015-02-23

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.4	94	90 - 110	2015-02-23

Standard (CCV-2)

QC Batch: 119572

Date Analyzed: 2015-02-23

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.16	103	90 - 110	2015-02-23

Standard (ICV-1)

QC Batch: 119664

Date Analyzed: 2015-02-27

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	2015-02-27

Standard (CCV-1)

QC Batch: 119664

Date Analyzed: 2015-02-27

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	2015-02-27

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	Lubbock
8		2014-018	Lubbock

Standard Flags

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

F Description

U The analyte is not detected above the SDL

Attachments


The scanned attachments will follow this page.

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

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 Fax (915) 585-4944



Company Name: 15021940 Phone #: 915-859-8150 Page 1 of 1
 D&H Petroleum & Environmental Services
 Address: (Street, City, Zip) 1221 Tower Trail Ln, EI Paso TX 79907
 Contact Person: Victor Ayala E-mail: vajala@dhpump.com
 Invoice to (if different from above): River Valley Dairy, PO Box 1299, Anthony, NM 88021
 Project #: 461596 Project Name: Bruce Bonestroo 575-233-2061
 Project Location (including state): River Valley Dairy, 1400 La Chuga Rd., Mesquite, NM
 Sampler Signature: 


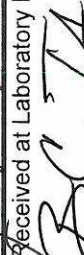
LAB #	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD					DATE	TIME	Turn Around Time	
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE				NONE
167-08		1		X			X			X					
167-08		1		X			X			X					
382360-1		1		X			X			X		2-19-15	9:45am		
167-09		1		X			X			X		2-19-15	9:45am		
167-Lagoon		1		X			X			X					
167-Lagoon		1		X			X			X					

ANALYSIS REQUEST

MTBE 8021B/602
 BTEX 8021B/602
 TPH 418.1 / TX1005
 TX 1005 Extended (C35)
 PAH 8270C
 PAH 8270 (Low Level Analysis)
 Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7
 Nitrates EPA 300
 TKN SM 4500 NORG C
 Chloride EPA 300
 Total Dissolved Solids SM 2540 C MOD

Lab Use Only
 Intact N
 Headspace Y N
 Temp 3/3
 Log-in 3/3

Relinquished By:  Date: 2-19-15 Time: 309
 Relinquished By:  Date: 3-17-15 Time: 1630

Received By:  Date: 2-19-15 Time: 15:09
 Received at Laboratory By:  Date: 2-20-15 Time: 9am

Remarks: IRB 5.3/3.3
 Dry Weight Basis Required
 TRRP Report Required

491-70913



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

Bruce Bonestroo
River Valley Dairy, LLC
1400 La Chuga Rd., Mesquite
P.O. Box 1929
Anthony, NM, 88021

Report Date: March 2, 2015

Work Order: 15021625



DP: 461596
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
386998	167-01A	water	2015-02-16	12:56	2015-02-16
386999	167-02	water	2015-02-16	12:32	2015-02-16
387000	167-06	water	2015-02-16	11:58	2015-02-16

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.

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.



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 2015-02-16 and assigned to work order 15021625. Samples for work order 15021625 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	100999	2015-02-17 at 15:00	119427	2015-02-17 at 16:06
NO3 (IC)	E 300.0	100999	2015-02-17 at 15:00	119427	2015-02-17 at 16:06
TDS	SM 2540C	101073	2015-02-19 at 14:15	119509	2015-02-19 at 14:15
TKN	SM 4500-NH3 B,C	101160	2015-02-25 at 10:30	119609	2015-02-25 at 13:35
TKN	SM 4500-NH3 B,C	101208	2015-02-27 at 11:20	119664	2015-02-27 at 14:25

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 15021625 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: 386998 - 167-01A

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119427 Date Analyzed: 2015-02-17 Analyzed By: RL
 Prep Batch: 100999 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	669	669	72.7	mg/L	100	34.9	2.5	0.349

Sample: 386998 - 167-01A

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119427 Date Analyzed: 2015-02-17 Analyzed By: RL
 Prep Batch: 100999 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	1.18	1.18	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386998 - 167-01A

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119509 Date Analyzed: 2015-02-19 Analyzed By: MC
 Prep Batch: 101073 Sample Preparation: 2015-02-19 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	3070	3070	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386998 - 167-01A

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119609 Date Analyzed: 2015-02-25 Analyzed By: CF
 Prep Batch: 101160 Sample Preparation: 2015-02-25 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	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386999 - 167-02

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119427 Date Analyzed: 2015-02-17 Analyzed By: RL
 Prep Batch: 100999 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	435	435	72.7	mg/L	100	34.9	2.5	0.349

Sample: 386999 - 167-02

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119427 Date Analyzed: 2015-02-17 Analyzed By: RL
 Prep Batch: 100999 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	0.878	0.878	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386999 - 167-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119509 Date Analyzed: 2015-02-19 Analyzed By: MC
 Prep Batch: 101073 Sample Preparation: 2015-02-19 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	1360	1360	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386999 - 167-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119664 Date Analyzed: 2015-02-27 Analyzed By: CF
 Prep Batch: 101208 Sample Preparation: 2015-02-27 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387000 - 167-06

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119427 Date Analyzed: 2015-02-17 Analyzed By: RL
 Prep Batch: 100999 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	591	591	72.7	mg/L	100	34.9	2.5	0.349

Sample: 387000 - 167-06

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119427 Date Analyzed: 2015-02-17 Analyzed By: RL
 Prep Batch: 100999 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	19.1	19.1	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 387000 - 167-06

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119509 Date Analyzed: 2015-02-19 Analyzed By: MC
 Prep Batch: 101073 Sample Preparation: 2015-02-19 Prepared By: MC

continued . . .

sample 387000 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	2580	2580	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387000 - 167-06

Laboratory: Lubbock
Analysis: TKN
QC Batch: 119664
Prep Batch: 101208

Analytical Method: SM 4500-NH3 B,C
Date Analyzed: 2015-02-27
Sample Preparation: 2015-02-27

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

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119427
Prep Batch: 100999Date Analyzed: 2015-02-17
QC Preparation: 2015-02-17Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.727	mg/L	0.349

Method Blank (1)

QC Batch: 119427
Prep Batch: 100999Date Analyzed: 2015-02-17
QC Preparation: 2015-02-17Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119509
Prep Batch: 101073Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	4.00	mg/L	2.5

Method Blank (1)

QC Batch: 119609
Prep Batch: 101160Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Method Blank (1)

QC Batch: 119664
 Prep Batch: 101208

Date Analyzed: 2015-02-27
 QC Preparation: 2015-02-27

Analyzed By: CF
 Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 386996

QC Batch: 119509
 Prep Batch: 101073

Date Analyzed: 2015-02-19
 QC Preparation: 2015-02-19

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1420	1520	mg/L	1	7	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119427
Prep Batch: 100999Date Analyzed: 2015-02-17
QC Preparation: 2015-02-17Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	24.2	mg/L	1	25.0	0.727	94	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		2,3,5,7,8	24.0	mg/L	1	25.0	0.727	93	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: 119427
Prep Batch: 100999Date Analyzed: 2015-02-17
QC Preparation: 2015-02-17Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	5.10	mg/L	1	5.00	<0.00274	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
Nitrate-N		2,3,5,7,8	5.22	mg/L	1	5.00	<0.00274	104	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: 119509
Prep Batch: 101073Date Analyzed: 2015-02-19
QC Preparation: 2015-02-19Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	999	mg/L	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: 387000

QC Batch: 119427
Prep Batch: 100999Date Analyzed: 2015-02-17
QC Preparation: 2015-02-17Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	3100	mg/L	100	2500	591	100	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Chloride		2,3,5,7,8	3070	mg/L	100	2500	591	99	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: 387000

QC Batch: 119427
Prep Batch: 100999Date Analyzed: 2015-02-17
QC Preparation: 2015-02-17Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	534	mg/L	100	500	27.2	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. Limit	RPD	RPD Limit	
Nitrate-N		2,3,5,7,8	526	mg/L	100	500	27.2	100	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: 386997

QC Batch: 119609
Prep Batch: 101160Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	42.7	mg/L	1	50.0	<1.80	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	45.5	mg/L	1	50.0	<1.80	91	76.4 - 120	6	20

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

Matrix Spike (MS-1) Spiked Sample: 387361

QC Batch: 119664
Prep Batch: 101208

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

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	44.1	mg/L	1	50.0	<1.80	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		2,3,7,8	44.8	mg/L	1	50.0	<1.80	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: 119427

Date Analyzed: 2015-02-17

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.9	96	90 - 110	2015-02-17

Standard (CCV-1)

QC Batch: 119427

Date Analyzed: 2015-02-17

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.05	101	90 - 110	2015-02-17

Standard (CCV-2)

QC Batch: 119427

Date Analyzed: 2015-02-17

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.3	97	90 - 110	2015-02-17

Standard (CCV-2)

QC Batch: 119427

Date Analyzed: 2015-02-17

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.26	105	90 - 110	2015-02-17

Standard (ICV-1)

QC Batch: 119609

Date Analyzed: 2015-02-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.34	87	85 - 115	2015-02-25

Standard (CCV-1)

QC Batch: 119609

Date Analyzed: 2015-02-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.90	98	85 - 115	2015-02-25

Standard (ICV-1)

QC Batch: 119664

Date Analyzed: 2015-02-27

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	2015-02-27

Standard (CCV-1)

QC Batch: 119664

Date Analyzed: 2015-02-27

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	2015-02-27

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	Lubbock
8		2014-018	Lubbock

Standard Flags

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

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

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

Company Name: 15021625 TraceAnalysis, Inc.
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

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

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 #: 4615916
Project Name: Bruce Bonestroo 575-233-2061
 River Valley Dairy, LLC
Sampler Signature: *[Signature]*

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		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
386978-1	167-08-167-01A	1	250	X			X			X			2-16-15	12:56
1-2	167-08-167-01A	1	250	X			X			X			12:56	12:56
699-1	167-09-167-02	1	250	X			X			X			12:32	12:32
2	167-09-167-02	1	250	X			X			X			12:32	12:32
700-1	167-Lagoon 167-06	1	250	X			X			X			11:58	11:58
2	167-Lagoon 167-06	1	250	X			X			X			11:58	11:58

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:

Lab Use Only
 Intact / N
 Headspace Y / N
 Temp 2/3 I/E
 Log-in Review M/L
 Dry Weight Basis Required
 TRRP Report Required

Relinquished By: *[Signature]* Date: 2-06-15 Time: 13:48
 Received By: *[Signature]* Date: 2-16-15 Time: 13:58

Relinquished By: *[Signature]* Date: 2-16-15 Time: 1638
 Received By: *[Signature]* Date: 2-17-15 Time: 95

CARRY OVER / LS 49170916



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

Edward DeRuyter
 Sunset Dairy
 17900 Stern Drive
 P.O. Box 10
 Mesquite, NM, 88048

Report Date: March 3, 2015

Work Order: 15022407



Project Location: Sunset Dairy 1790
 Project Name: Sunset Dairy
 Project Number: 461599

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
387498	257-Waste Lagoon	Water	2015-02-24	10:39	2015-02-24
387499	257-Dairy Storm	Water	2015-02-24	10:17	2015-02-24

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

This report consists of a total of 28 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.

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 2015-02-24 and assigned to work order 15022407. Samples for work order 15022407 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	101171	2015-02-26 at 15:00	119619	2015-02-25 at 15:59
Chloride (IC)	E 300.0	101219	2015-02-26 at 12:00	119678	2015-02-26 at 13:12
NO3 (IC)	E 300.0	101171	2015-02-26 at 15:00	119619	2015-02-25 at 15:59
NO3 (IC)	E 300.0	101219	2015-02-26 at 12:00	119678	2015-02-26 at 13:12
P, Total	S 6010C	101157	2015-02-25 at 13:04	119638	2015-02-26 at 13:38
SO4 (IC)	E 300.0	101171	2015-02-26 at 15:00	119619	2015-02-25 at 15:59
SO4 (IC)	E 300.0	101219	2015-02-26 at 12:00	119678	2015-02-26 at 13:12
Sulfide	SM 4500-S2 D	101264	2015-03-03 at 09:15	119720	2015-03-03 at 10:30
TDS	SM 2540C	101169	2015-02-25 at 14:25	119616	2015-02-25 at 14:25
TKN	SM 4500-NH3 B,C	101252	2015-03-02 at 11:30	119706	2015-03-02 at 15:30

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 15022407 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: 387498 - 257-Waste Lagoon

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119678 Date Analyzed: 2015-02-26 Analyzed By: RL
 Prep Batch: 101219 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	834	834	66.6	mg/L	100	34.9	2.5	0.349

Sample: 387498 - 257-Waste Lagoon

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119678 Date Analyzed: 2015-02-26 Analyzed By: RL
 Prep Batch: 101219 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	U	2,3,5,7,8	<0.0274	<0.400	<0.0274	mg/L	10	0.0274	0.04	0.00274

Sample: 387498 - 257-Waste Lagoon

Laboratory: Lubbock
 Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 119638 Date Analyzed: 2015-02-26 Analyzed By: LM
 Prep Batch: 101157 Sample Preparation: 2015-02-26 Prepared By: LM

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Phosphorous		2,3,5,7,8	328	328	<0.459	mg/L	100	0.459	0.5	0.00459

Sample: 387498 - 257-Waste Lagoon

Laboratory: Lubbock
 Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119678 Date Analyzed: 2015-02-26 Analyzed By: RL
 Prep Batch: 101219 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Sulfate	J	2,3,5,7,8	13.1	<25.0	<2.07	mg/L	10	2.07	2.5	0.207

Sample: 387498 - 257-Waste Lagoon

Laboratory: Lubbock
 Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
 QC Batch: 119720 Date Analyzed: 2015-03-03 Analyzed By: CF
 Prep Batch: 101264 Sample Preparation: 2015-03-03 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Sulfide	Qs	2	37.6	37.6	<0.585	mg/L	50	0.585	0.1	0.0117

Sample: 387498 - 257-Waste Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119616 Date Analyzed: 2015-02-25 Analyzed By: MC
 Prep Batch: 101169 Sample Preparation: 2015-02-25 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids	1	1,4,6	7700	7700	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387498 - 257-Waste Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119706 Date Analyzed: 2015-03-02 Analyzed By: CF
 Prep Batch: 101252 Sample Preparation: 2015-03-02 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	239	239	<3.60	mg/L	2	3.60	10	1.8

Sample: 387499 - 257-Dairy Storm

Report Date: March 3, 2015
461599

Work Order: 15022407
Sunset Dairy

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Sunset Dairy 1790

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119619 Date Analyzed: 2015-02-25 Analyzed By: RL
Prep Batch: 101171 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride	B	2,3,5,7,8	3490	3490	362	mg/L	500	174	2.5	0.349

Sample: 387499 - 257-Dairy Storm

Laboratory: Lubbock
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119619 Date Analyzed: 2015-02-25 Analyzed By: RL
Prep Batch: 101171 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	U	2,3,5,7,8	<0.0274	<0.400	<0.0274	mg/L	10	0.0274	0.04	0.00274

Sample: 387499 - 257-Dairy Storm

Laboratory: Lubbock
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119619 Date Analyzed: 2015-02-25 Analyzed By: RL
Prep Batch: 101171 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfate		2,3,5,7,8	294	294	<2.07	mg/L	10	2.07	2.5	0.207

Sample: 387499 - 257-Dairy Storm

Laboratory: Lubbock
Analysis: Sulfide Analytical Method: SM 4500-S2 D Prep Method: N/A
QC Batch: 119720 Date Analyzed: 2015-03-03 Analyzed By: CF
Prep Batch: 101264 Sample Preparation: 2015-03-03 Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Sulfide	Qs,U	2	<0.292	<2.50	<0.292	mg/L	25	0.292	0.1	0.0117

Sample: 387499 - 257-Dairy Storm

Laboratory: El Paso	Analytical Method: SM 2540C	Prep Method: N/A
Analysis: TDS	Date Analyzed: 2015-02-25	Analyzed By: MC
QC Batch: 119616	Sample Preparation: 2015-02-25	Prepared By: MC
Prep Batch: 101169		

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids	2	1,4,6	18700	18700	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387499 - 257-Dairy Storm

Laboratory: Lubbock	Analytical Method: SM 4500-NH3 B,C	Prep Method: N/A
Analysis: TKN	Date Analyzed: 2015-03-02	Analyzed By: CF
QC Batch: 119706	Sample Preparation: 2015-03-02	Prepared By: CF
Prep Batch: 101252		

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	163	163	<3.60	mg/L	2	3.60	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119616
Prep Batch: 101169

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: MC
Prepared By: MC

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

Method Blank (1)

QC Batch: 119619
Prep Batch: 101171

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-26

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.725	mg/L	0.349

Method Blank (1)

QC Batch: 119619
Prep Batch: 101171

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-26

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119619
Prep Batch: 101171

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-26

Analyzed By: RL
Prepared By: RL

Report Date: March 3, 2015
461599

Work Order: 15022407
Sunset Dairy

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Parameter	F	C	Result	Units	Reporting Limits
Sulfate		2,3,5,7,8	<0.207	mg/L	0.207

Method Blank (1)

QC Batch: 119638 Date Analyzed: 2015-02-26 Analyzed By: LM
Prep Batch: 101157 QC Preparation: 2015-02-25 Prepared By: PM

Parameter	F	C	Result	Units	Reporting Limits
Total Phosphorous		2,3,5,7,8	<0.00459	mg/L	0.00459

Method Blank (1)

QC Batch: 119678 Date Analyzed: 2015-02-26 Analyzed By: RL
Prep Batch: 101219 QC Preparation: 2015-02-26 Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.666	mg/L	0.349

Method Blank (1)

QC Batch: 119678 Date Analyzed: 2015-02-26 Analyzed By: RL
Prep Batch: 101219 QC Preparation: 2015-02-26 Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119678 Date Analyzed: 2015-02-26 Analyzed By: RL
Prep Batch: 101219 QC Preparation: 2015-02-26 Prepared By: RL

Report Date: March 3, 2015
461599

Work Order: 15022407
Sunset Dairy

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Sunset Dairy 1790

Parameter	F	C	Result	Units	Reporting Limits
Sulfate		2,3,5,7,8	<0.207	mg/L	0.207

Method Blank (1)

QC Batch: 119706
Prep Batch: 101252

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Method Blank (1)

QC Batch: 119720
Prep Batch: 101264

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Sulfide		2	<0.0117	mg/L	0.0117

Duplicates

Duplicate (1) Duplicated Sample: 387508

QC Batch: 119616
Prep Batch: 101169

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3030	3080	mg/L	1	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119616
Prep Batch: 101169

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	1100	mg/L	1	1000	<2.50	110	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	10	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: 119619
Prep Batch: 101171

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-26

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	23.5	mg/L	1	25.0	0.725	91	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		2,3,5,7,8	23.7	mg/L	1	25.0	0.725	92	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: 119619
Prep Batch: 101171

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-26

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	5.28	mg/L	1	5.00	<0.00274	106	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
Nitrate-N		2,3,5,7,8	5.36	mg/L	1	5.00	<0.00274	107	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119619 Date Analyzed: 2015-02-25 Analyzed By: RL
Prep Batch: 101171 QC Preparation: 2015-02-26 Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Sulfate		2,3,5,7,8	25.3	mg/L	1	25.0	<0.207	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.	Rec. Limit	RPD	RPD Limit
Sulfate		2,3,5,7,8	26.2	mg/L	1	25.0	<0.207	105	90 - 110	4	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119638 Date Analyzed: 2015-02-26 Analyzed By: LM
Prep Batch: 101157 QC Preparation: 2015-02-25 Prepared By: PM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Total Phosphorous		2,3,5,7,8	0.494	mg/L	1	0.500	<0.00459	99	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.	Rec. Limit	RPD	RPD Limit
Total Phosphorous		2,3,5,7,8	0.512	mg/L	1	0.500	<0.00459	102	85 - 115	4	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119678 Date Analyzed: 2015-02-26 Analyzed By: RL
Prep Batch: 101219 QC Preparation: 2015-02-26 Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	23.3	mg/L	1	25.0	0.666	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 Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	23.4	mg/L	1	25.0	0.666	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: 119678
Prep Batch: 101219

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	5.19	mg/L	1	5.00	<0.00274	104	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		2,3,5,7,8	5.14	mg/L	1	5.00	<0.00274	103	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: 119678
Prep Batch: 101219

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		2,3,5,7,8	25.4	mg/L	1	25.0	<0.207	102	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate		2,3,5,7,8	25.1	mg/L	1	25.0	<0.207	100	90 - 110	1	20

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

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Laboratory Control Spike (LCS-1)

QC Batch: 119706
Prep Batch: 101252

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,8	43.4	mg/L	1	50.0	<1.80	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.80	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: 119720
Prep Batch: 101264

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Sulfide		2	0.352	mg/L	1	0.400	<0.0117	88	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	0.362	mg/L	1	0.400	<0.0117	90	85 - 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: 387499

QC Batch: 119619 Date Analyzed: 2015-02-25 Analyzed By: RL
Prep Batch: 101171 QC Preparation: 2015-02-26 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	15400	mg/L	500	12500	3490	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 Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	15200	mg/L	500	12500	3490	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: 387499

QC Batch: 119619 Date Analyzed: 2015-02-25 Analyzed By: RL
Prep Batch: 101171 QC Preparation: 2015-02-26 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	2640	mg/L	500	2500	<1.37	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. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	2600	mg/L	500	2500	<1.37	104	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: 387499

QC Batch: 119619 Date Analyzed: 2015-02-25 Analyzed By: RL
Prep Batch: 101171 QC Preparation: 2015-02-26 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		2,3,5,7,8	13100	mg/L	500	12500	1058	96	80 - 120

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

Param	F	C	MSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Sulfate		2,3,5,7,8	12900	mg/L	500	12500	1058	95	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: 387482

QC Batch: 119638 Date Analyzed: 2015-02-26 Analyzed By: LM
Prep Batch: 101157 QC Preparation: 2015-02-25 Prepared By: PM

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Phosphorous		2,3,5,7,8	0.736	mg/L	1	0.500	0.2892	89	75 - 125

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							
Total Phosphorous		2,3,5,7,8	0.724	mg/L	1	0.500	0.2892	87	75 - 125	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: 387566

QC Batch: 119678 Date Analyzed: 2015-02-26 Analyzed By: RL
Prep Batch: 101219 QC Preparation: 2015-02-26 Prepared By: RL

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		2,3,5,7,8	1560	mg/L	50	1250	343	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		2,3,5,7,8	1520	mg/L	50	1250	343	94	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: 387566

QC Batch: 119678 Date Analyzed: 2015-02-26 Analyzed By: RL
Prep Batch: 101219 QC Preparation: 2015-02-26 Prepared By: RL

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Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	268	mg/L	50	250	14.1	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		2,3,5,7,8	261	mg/L	50	250	14.1	99	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: 387566

QC Batch: 119678
Prep Batch: 101219

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate		2,3,5,7,8	1280	mg/L	50	1250	72.4	97	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate		2,3,5,7,8	1240	mg/L	50	1250	72.4	93	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: 387580

QC Batch: 119706
Prep Batch: 101252

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.80	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	<1.80	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: 387498

QC Batch: 119720 Date Analyzed: 2015-03-03 Analyzed By: CF
Prep Batch: 101264 QC Preparation: 2015-03-03 Prepared By: CF

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Sulfide	qs	2	37.6	mg/L	50	40.0	37.6	0	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Sulfide	qs	2	37.6	mg/L	50	40.0	37.6	0	49.4 - 134	0	20

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

Calibration Standards

Standard (CCV-1)

QC Batch: 119619

Date Analyzed: 2015-02-25

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.5	94	90 - 110	2015-02-25

Standard (CCV-1)

QC Batch: 119619

Date Analyzed: 2015-02-25

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.28	106	90 - 110	2015-02-25

Standard (CCV-1)

QC Batch: 119619

Date Analyzed: 2015-02-25

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	25.7	103	90 - 110	2015-02-25

Standard (CCV-2)

QC Batch: 119619

Date Analyzed: 2015-02-25

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.5	94	90 - 110	2015-02-25

Standard (CCV-2)

QC Batch: 119619 Date Analyzed: 2015-02-25 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.23	105	90 - 110	2015-02-25

Standard (CCV-2)

QC Batch: 119619 Date Analyzed: 2015-02-25 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	25.3	101	90 - 110	2015-02-25

Standard (ICV-1)

QC Batch: 119638 Date Analyzed: 2015-02-26 Analyzed By: LM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		2,3,5,7,8	mg/L	5.00	4.93	99	90 - 110	2015-02-26

Standard (CCV-1)

QC Batch: 119638 Date Analyzed: 2015-02-26 Analyzed By: LM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		2,3,5,7,8	mg/L	5.00	4.79	96	90 - 110	2015-02-26

Standard (CCV-1)

QC Batch: 119678 Date Analyzed: 2015-02-26 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.3	93	90 - 110	2015-02-26

Standard (CCV-1)

QC Batch: 119678

Date Analyzed: 2015-02-26

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.15	103	90 - 110	2015-02-26

Standard (CCV-1)

QC Batch: 119678

Date Analyzed: 2015-02-26

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		2,3,5,7,8	mg/L	25.0	25.4	102	90 - 110	2015-02-26

Standard (CCV-2)

QC Batch: 119678

Date Analyzed: 2015-02-26

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.2	93	90 - 110	2015-02-26

Standard (CCV-2)

QC Batch: 119678

Date Analyzed: 2015-02-26

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.20	104	90 - 110	2015-02-26

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Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfide		2	mg/L	0.400	0.394	98	85 - 115	2015-03-03

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	Pass
P, Total	S 6010C	water	PE 8300	Total Phosphorous	0.100	Pass
SO4 (IC)	E 300.0	water	Dionex IC	Sulfate	0.400	Pass
Sulfide	SM 4500-S2 D	water	Spectrophotometer	Sulfide	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	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

Result Comments

- 1 Sample was thick. used 1 ml.
- 2 Sample was thick. used 2 ml.

Attachments

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

Trace Analysis, Inc.

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Carrollton, Texas 75006
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email: lab@traceanalysis.com

Company Name: DWH Petroleum of Environment
 Address: 1221 Turner Trail Ln, El Paso, TX
 Contact Person: Victor Ayala
 Invoice to: Po Box 14, Mosquito, NM, 88048
 Project #: 461599
 Project Location (including state): Sunset Dairy 1790
 Phone #: 915-854-8150
 Fax #: 915-854-8150
 E-mail: Victor.Ayala@chump.com
 Project Name: Sunset Dairy
 Sampler Signature: [Signature]

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	VOLUME / AMOUNT	MATRIX	PRESERVATIVE METHOD	DATE	TIME
387498	257 - waste lagoon	1	250	WATER	HCl	2-24-15	10:39
	-257 - waste lagoon	1	500	AIR	H ₂ SO ₄		10:39
	-3257 - waste lagoon	1	250	SLUDGE	NaOH		10:39
	-4257 - waste lagoon	1	250	AIR	HNO ₃		10:17
	499-257 - Dairy Stream	1	250	WATER	HCl		10:17
	-257 - Dairy Stream	1	500	AIR	H ₂ SO ₄		10:17
	-257 - Dairy Stream	1	250	WATER	HCl		10:17
	-257 - Dairy Stream	1	250	AIR	H ₂ SO ₄		10:17

LAB USE ONLY	REMARKS:
INST <u>123</u> OBS <u>45</u> COR <u>45</u>	REMARKS: <u>see file</u> 7
INST <u>123</u> OBS <u>45</u> COR <u>45</u>	
INST <u>123</u> OBS <u>45</u> COR <u>45</u>	

LAB USE ONLY	REMARKS:
MTE 8021 / 602 / 8260 / 624 BTEX 8021 / 602 / 8260 / 624 TPH 418.1 / TX1005 / TX1005 EXT(C35) TPH 8015 GRO / DRO / TVHC PAH 8270 / 625 Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7 TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles TCLP Pesticides RCI GC/MS Vol. 8260 / 624 GC/MS Semi. Vol. 8270 / 625 PCB's 8082 / 608 Pesticides 8081 / 608 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 TRN 5M 4500 NORG C Chloride EPA 300 TDS 5M 2540 & MOD Turn Around Time if different from standard Hold Total Sulfur	Dry Weight Basis Required TRRP Report Required Check If Special Reporting Limits Are Needed



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 915-585-3443 FAX 915-585-4944
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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: March 3, 2015

Work Order: 15021941



DP: 257
 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
387361	257-01	water	2015-02-19	14:12	2015-02-19
387362	257-02	water	2015-02-19	13:30	2015-02-19
387363	257/260-01	water	2015-02-19	11:26	2015-02-19

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.

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 Sunset Dairy were received by TraceAnalysis, Inc. on 2015-02-19 and assigned to work order 15021941. Samples for work order 15021941 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	101124	2015-02-20 at 14:00	119572	2015-02-23 at 12:56
NO3 (IC)	E 300.0	101124	2015-02-20 at 14:00	119572	2015-02-23 at 12:56
TDS	SM 2540C	101118	2015-02-23 at 13:45	119564	2015-02-23 at 13:45
TKN	SM 4500-NH3 B,C	101208	2015-02-27 at 11:20	119664	2015-02-27 at 14:25
TKN	SM 4500-NH3 B,C	101252	2015-03-02 at 11:30	119706	2015-03-02 at 15:30

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 15021941 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: 387361 - 257-01

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119572 Date Analyzed: 2015-02-23 Analyzed By: RL
 Prep Batch: 101124 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	629	629	69.2	mg/L	100	34.9	2.5	0.349

Sample: 387361 - 257-01

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119572 Date Analyzed: 2015-02-23 Analyzed By: RL
 Prep Batch: 101124 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	H	2,3,5,7,8	27.5	27.5	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 387361 - 257-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119564 Date Analyzed: 2015-02-23 Analyzed By: MC
 Prep Batch: 101118 Sample Preparation: 2015-02-23 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	2880	2880	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387361 - 257-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119664 Date Analyzed: 2015-02-27 Analyzed By: CF
 Prep Batch: 101208 Sample Preparation: 2015-02-27 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387362 - 257-02

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119572 Date Analyzed: 2015-02-23 Analyzed By: RL
 Prep Batch: 101124 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	610	610	69.2	mg/L	100	34.9	2.5	0.349

Sample: 387362 - 257-02

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119572 Date Analyzed: 2015-02-23 Analyzed By: RL
 Prep Batch: 101124 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	H	2,3,5,7,8	8.45	8.45	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 387362 - 257-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119564 Date Analyzed: 2015-02-23 Analyzed By: MC
 Prep Batch: 101118 Sample Preparation: 2015-02-23 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	2440	2440	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387362 - 257-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119706 Date Analyzed: 2015-03-02 Analyzed By: CF
 Prep Batch: 101252 Sample Preparation: 2015-03-02 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387363 - 257/260-01

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119572 Date Analyzed: 2015-02-23 Analyzed By: RL
 Prep Batch: 101124 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	445	445	69.2	mg/L	100	34.9	2.5	0.349

Sample: 387363 - 257/260-01

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119572 Date Analyzed: 2015-02-23 Analyzed By: RL
 Prep Batch: 101124 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	H	2,3,5,7,8	1.09	1.09	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 387363 - 257/260-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119564 Date Analyzed: 2015-02-23 Analyzed By: MC
 Prep Batch: 101118 Sample Preparation: 2015-02-23 Prepared By: MC

continued ...

sample 387363 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		1,4,6	2220	2220	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387363 - 257/260-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119706 Date Analyzed: 2015-03-02 Analyzed By: CF
 Prep Batch: 101252 Sample Preparation: 2015-03-02 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	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119564
Prep Batch: 101118Date Analyzed: 2015-02-23
QC Preparation: 2015-02-23Analyzed 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: 119572
Prep Batch: 101124Date Analyzed: 2015-02-23
QC Preparation: 2015-02-20Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.692	mg/L	0.349

Method Blank (1)

QC Batch: 119572
Prep Batch: 101124Date Analyzed: 2015-02-23
QC Preparation: 2015-02-20Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119664
Prep Batch: 101208Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27Analyzed By: CF
Prepared By: CF

Report Date: March 3, 2015

Work Order: 15021941
Sunset Dairy

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17900 S. Stern Dr., Mesquite, NM

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Method Blank (1)

QC Batch: 119706
Prep Batch: 101252

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 387363

QC Batch: 119564
Prep Batch: 101118

Date Analyzed: 2015-02-23
QC Preparation: 2015-02-23

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2180	2220	mg/L	1	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119564
Prep Batch: 101118Date Analyzed: 2015-02-23
QC Preparation: 2015-02-23Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	998	mg/L	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	996	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: 119572
Prep Batch: 101124Date Analyzed: 2015-02-23
QC Preparation: 2015-02-20Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	24.1	mg/L	1	25.0	0.692	94	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		2,3,5,7,8	23.6	mg/L	1	25.0	0.692	92	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119572
Prep Batch: 101124Date Analyzed: 2015-02-23
QC Preparation: 2015-02-20Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	5.27	mg/L	1	5.00	<0.00274	105	90 - 110

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

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		2,3,5,7,8	5.18	mg/L	1	5.00	<0.00274	104	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119664
Prep Batch: 101208

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,8	43.4	mg/L	1	50.0	<1.80	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,7,8	42.7	mg/L	1	50.0	<1.80	85	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: 119706
Prep Batch: 101252

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,7,8	43.4	mg/L	1	50.0	<1.80	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.80	90	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: 387446QC Batch: 119572
Prep Batch: 101124Date Analyzed: 2015-02-23
QC Preparation: 2015-02-20Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	2720	mg/L	100	2500	476	90	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	2810	mg/L	100	2500	476	93	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: 387446QC Batch: 119572
Prep Batch: 101124Date Analyzed: 2015-02-23
QC Preparation: 2015-02-20Analyzed By: RL
Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	510	mg/L	100	500	13.8	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		2,3,5,7,8	528	mg/L	100	500	13.8	101	80 - 120	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: 387361QC Batch: 119664
Prep Batch: 101208Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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		2,3,7,8	44.8	mg/L	1	50.0	<1.80	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: 387580

QC Batch: 119706
Prep Batch: 101252

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

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	44.8	mg/L	1	50.0	<1.80	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		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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-1)

QC Batch: 119572

Date Analyzed: 2015-02-23

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.2	97	90 - 110	2015-02-23

Standard (CCV-1)

QC Batch: 119572

Date Analyzed: 2015-02-23

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.25	105	90 - 110	2015-02-23

Standard (CCV-2)

QC Batch: 119572

Date Analyzed: 2015-02-23

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.4	94	90 - 110	2015-02-23

Standard (CCV-2)

QC Batch: 119572

Date Analyzed: 2015-02-23

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.16	103	90 - 110	2015-02-23

Standard (ICV-1)

QC Batch: 119664

Date Analyzed: 2015-02-27

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	2015-02-27

Standard (CCV-1)

QC Batch: 119664

Date Analyzed: 2015-02-27

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	2015-02-27

Standard (ICV-1)

QC Batch: 119706

Date Analyzed: 2015-03-02

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	2015-03-02

Standard (CCV-1)

QC Batch: 119706

Date Analyzed: 2015-03-02

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	2015-03-02

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	Lubbock
8		2014-018	Lubbock

Standard Flags

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

F Description


U The analyte is not detected above the SDL

Attachments





The scanned attachments will follow this page.

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

Company Name: 5021941 TraceAnalysis, Inc. 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):
 Sunset Dairy, PO Box 10, Mesquite, NM 88048
 Project #: Ed DeRuyter 575-233-2029
 Project Name: Sunset Dairy
 Project Location (including state): Sunset Dairy, 1790
 Sampler Signature: 

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
387361-1	257-01	1		X			X	X	X	X			2-19-15	1412
-2	257-01	1		X			X	X	X	X			2-19-15	1412
62-1	257-02	1		X			X	X	X	X			2-19-15	1330
↓-2	257-02	1		X			X	X	X	X			2-19-15	1330
257-03	257-03	1		X			X	X	X	X				
257-03	257-03	1		X			X	X	X	X				
63-1	257260-01	1		X			X	X	X	X			2-19-15	1126
↓-1	257260-01	1		X			X	X	X	X			2-19-15	1126
	257 Lagoon	1		X			X	X	X	X				
	257 Lagoon	1		X			X	X	X	X				
	257 Lagoon	1		X			X	X	X	X				
	257 Lagoon	1		X			X	X	X	X				

Relinquished By:  Date: 2-19-15 Time: 309
 Received By:  Date: 2-19-15 Time: 1509
 Relinquished By:  Date: 2-19-15 Time: 1630
 Received By:  Date: 2-20-15 Time: 9am

ANALYSIS REQUEST	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1 / TX1005	TX 1005 Extended (C35)	PAH 8270C	PAH 8270 (Low Level Analysis)	Sulfate EPA Method 300.0	Nitrates EPA 300	TKN SM 4500 NORG C	Chloride EPA 300	Total Dissolved Solids SM 2540 C MOD	Other - Phosphorus (EPA 6010B)	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			

Remarks: RS 3.3 / 3.3
AS 49170913
 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

Bruce Bonestroo
River Valley Dairy, LLC
1400 La Chuga Rd., Mesquite
P.O. Box 1929
Anthony, NM, 88021

Report Date: March 3, 2015

Work Order: 15022408



DP: 461596
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
387505	167-08	Water	2015-02-24	09:22	2015-02-24

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

This report consists of a total of 17 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.

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 2015-02-24 and assigned to work order 15022408. Samples for work order 15022408 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	101172	2015-02-25 at 15:00	119620	2015-02-25 at 15:59
NO3 (IC)	E 300.0	101172	2015-02-25 at 15:00	119620	2015-02-25 at 15:59
TDS	SM 2540C	101169	2015-02-25 at 14:25	119616	2015-02-25 at 14:25
TKN	SM 4500-NH3 B,C	101252	2015-03-02 at 11:30	119706	2015-03-02 at 15:30

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 15022408 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: 387505 - 167-08

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119620 Date Analyzed: 2015-02-25 Analyzed By: RL
 Prep Batch: 101172 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	729	729	73.3	mg/L	100	34.9	2.5	0.349

Sample: 387505 - 167-08

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119620 Date Analyzed: 2015-02-25 Analyzed By: RL
 Prep Batch: 101172 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	U	2,3,5,7,8	<0.0137	<0.200	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 387505 - 167-08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119616 Date Analyzed: 2015-02-25 Analyzed By: MC
 Prep Batch: 101169 Sample Preparation: 2015-02-25 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2960	2960	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387505 - 167-08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119706 Date Analyzed: 2015-03-02 Analyzed By: CF
 Prep Batch: 101252 Sample Preparation: 2015-03-02 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Total Kjeldahl Nitrogen - N	J	2,3,7,8	2.10	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119616
Prep Batch: 101169Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed 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: 119620
Prep Batch: 101172Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.733	mg/L	0.349

Method Blank (1)

QC Batch: 119620
Prep Batch: 101172Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119706
Prep Batch: 101252Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02Analyzed By: CF
Prepared By: CF

Report Date: March 3, 2015

Work Order: 15022408
River Valley Dairy, LLC

Page Number: 7 of 17
1400 La Chuga Rd., Mesquite, NM

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 387508

QC Batch: 119616
 Prep Batch: 101169

Date Analyzed: 2015-02-25
 QC Preparation: 2015-02-25

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3030	3080	mg/L	1	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119616
Prep Batch: 101169Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed 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	1100	mg/L	1	1000	<2.50	110	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	10	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: 119620
Prep Batch: 101172Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	23.6	mg/L	1	25.0	0.733	91	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		2,3,5,7,8	23.7	mg/L	1	25.0	0.733	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: 119620
Prep Batch: 101172Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	5.31	mg/L	1	5.00	<0.00274	106	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
Nitrate-N		2,3,5,7,8	5.31	mg/L	1	5.00	<0.00274	106	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: 119706
Prep Batch: 101252

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

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	<1.80	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	44.8	mg/L	1	50.0	<1.80	90	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: 387388QC Batch: 119620
Prep Batch: 101172Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed By: RL
Prepared By: RL

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Chloride		2,3,5,7,8	222000	mg/L	5000	125000	87700	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			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Chloride		2,3,5,7,8	219000	mg/L	5000	125000	87700	105	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: 387388QC Batch: 119620
Prep Batch: 101172Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25Analyzed By: RL
Prepared By: RL

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Nitrate-N		2,3,5,7,8	26600	mg/L	5000	25000	<13.7	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			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Nitrate-N		2,3,5,7,8	25900	mg/L	5000	25000	<13.7	104	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: 387580QC Batch: 119706
Prep Batch: 101252Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02Analyzed By: CF
Prepared By: CF

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.80	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	<1.80	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-1)

QC Batch: 119620

Date Analyzed: 2015-02-25

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.5	94	90 - 110	2015-02-25

Standard (CCV-1)

QC Batch: 119620

Date Analyzed: 2015-02-25

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.23	105	90 - 110	2015-02-25

Standard (CCV-2)

QC Batch: 119620

Date Analyzed: 2015-02-25

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.6	94	90 - 110	2015-02-25

Standard (CCV-2)

QC Batch: 119620

Date Analyzed: 2015-02-25

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.22	104	90 - 110	2015-02-25

Standard (ICV-1)

QC Batch: 119706

Date Analyzed: 2015-03-02

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	2015-03-02

Standard (CCV-1)

QC Batch: 119706

Date Analyzed: 2015-03-02

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	2015-03-02

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	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.

LAB Order ID # 15022408

6107 Aberdeen, Ste. 9
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

TraceAnalysis, Inc.
 155 McClutcheon, Ste. H El Paso, TX 79932
 Tel (915) 566-3443
 Fax (915) 566-4944
 Phone #: 915-859-8150
 Cell #:
 Fax #: vajala@dhpump.com
 E-mail: vajala@dhpump.com

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 #: 461596
Project Name: River Valley Dairy, LLC
Sampler Signature: *JMY*

Project Location (including state): River Valley Dairy, 1400 La Chuga Rd., Mesquite, NM

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING			
				WATER	SOIL	AIR	SLUDGE	HCl	HNO3	H2SO4	NaOH	ICE	NONE	DATE	TIME
899205-1	167-08	1	2.50	X				X	X	X	X	X		2-24-15	9:22
899205-2	167-08	1	5.00	X				X	X	X	X	X		2-24-15	9:22
		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			
		1		X				X	X	X	X	X			
		1		X				X	X	X	X	X			
		1		X				X	X	X	X	X			

ANALYSIS REQUEST	
MTBE 8021B/602	X
BTEX 8021B/602	X
TPH 418.1 / TX1005	X
TX 1005 Extended (C35)	X
PAH 8270C	X
PAH 8270 (Low Level Analysis)	X
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
Turn Around Time	
Hold	

Relinquished By: *JMY* Date: 2-24-15 Time: 12:57
Received By: *MRC* Date: 2/24/15 Time: 12:54
Lab Use Only: Intact / N
 Headspace / N
 Temp 20.1 / 48
 Log-in Review 2-24-15
 Dry Weight Basis Required
 PAPP Report Required



TraceAnalysis, Inc.
 155 McCutcheon, Ste. H El Paso, TX 79932
 Tel (915) 585-3443 Fax (915) 585-4944
 5701 Aberdeen, Ste. 9 Lubbock, TX 79424
 Tel (806) 794-1296 Fax (806) 794-1298

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

Project #: 461596
Project Name: River Valley Dairy, LLC
Project Location (including state): River Valley Dairy, PO Box 1929, Anthony, NM 88021
Sampler Signature: *[Signature]*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
B7525	167-08	1	2.50	X			X	X	X	X	X	2-24-15	9:22
7-2167-08	80-07	1	500	X			X	X	X	X	X	2-24-15	9:22
		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		
		1		X			X	X	X	X	X		
		1		X			X	X	X	X	X		

Page 1 of 1
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
 LAB Order ID # 15022408

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																	

Remarks:

Lab Use Only
 Intact / N
 Headspace Y / N
 Temp DR 48
 Log-in Review *[Signature]* 2-24-15
 Caryn JM LS 49170099

Relinquished By: *[Signature]* Date: 2-24-15 Time: 12:59
 Received By: MRC Date: 2/24/15 Time: 12:54
 Relinquished By: MRC Date: 2/24/15 Time: 16:30
 Received at Laboratory By: MRC Date: 2/24/15 Time: 12:54
 Temp: 12.3°C
 Date: 4.5°C
 Dry Weight Basis Required
 FRFP Report Required



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

George Segura
Big Sky Dairy
17800 Stern Drive
P.O. Box 10
Mesquite, NM, 88048

Report Date: March 3, 2015

Work Order: 15022409



Project Location: 17800 S. Stern Dr., Mesquite, NM
Project Name: Big Sky Dairy
Project Number: 461601

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
387508	833-06	Water	2015-02-24	12:06	2015-02-24

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

This report consists of a total of 17 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.

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 2015-02-24 and assigned to work order 15022409. Samples for work order 15022409 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	101172	2015-02-25 at 15:00	119620	2015-02-25 at 15:59
NO3 (IC)	E 300.0	101172	2015-02-25 at 15:00	119620	2015-02-25 at 15:59
TDS	SM 2540C	101169	2015-02-25 at 14:25	119616	2015-02-25 at 14:25
TKN	SM 4500-NH3 B,C	101252	2015-03-02 at 11:30	119706	2015-03-02 at 15:30

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 15022409 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: 387508 - 833-06

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119620 Date Analyzed: 2015-02-25 Analyzed By: RL
 Prep Batch: 101172 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	827	827	73.3	mg/L	100	34.9	2.5	0.349

Sample: 387508 - 833-06

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119620 Date Analyzed: 2015-02-25 Analyzed By: RL
 Prep Batch: 101172 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	71.9	71.9	<0.274	mg/L	100	0.274	0.04	0.00274

Sample: 387508 - 833-06

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119616 Date Analyzed: 2015-02-25 Analyzed By: MC
 Prep Batch: 101169 Sample Preparation: 2015-02-25 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	3080	3080	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387508 - 833-06

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119706 Date Analyzed: 2015-03-02 Analyzed By: CF
 Prep Batch: 101252 Sample Preparation: 2015-03-02 Prepared By: CF

Report Date: March 3, 2015
461601

Work Order: 15022409
Big Sky Dairy

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17800 S. Stern Dr., Mesquite, NM

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Total Kjeldahl Nitrogen - N	u	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119616
Prep Batch: 101169

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: MC
Prepared By: MC

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

Method Blank (1)

QC Batch: 119620
Prep Batch: 101172

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.733	mg/L	0.349

Method Blank (1)

QC Batch: 119620
Prep Batch: 101172

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119706
Prep Batch: 101252

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: CF
Prepared By: CF

Report Date: March 3, 2015
461601

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Big Sky Dairy

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17800 S. Stern Dr., Mesquite, NM

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 387508

QC Batch: 119616
Prep Batch: 101169

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3030	3080	mg/L	1	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119616
Prep Batch: 101169

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	1100	mg/L	1	1000	<2.50	110	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	997	mg/L	1	1000	<2.50	100	90 - 110	10	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: 119620
Prep Batch: 101172

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	23.6	mg/L	1	25.0	0.733	91	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		2,3,5,7,8	23.7	mg/L	1	25.0	0.733	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: 119620
Prep Batch: 101172

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	5.31	mg/L	1	5.00	<0.00274	106	90 - 110

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

Report Date: March 3, 2015
461601

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Big Sky Dairy

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Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	5.31	mg/L	1	5.00	<0.00274	106	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: 119706
Prep Batch: 101252

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

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	43.4	mg/L	1	50.0	<1.80	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		2,3,7,8	44.8	mg/L	1	50.0	<1.80	90	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: 387388

QC Batch: 119620 Date Analyzed: 2015-02-25 Analyzed By: RL
Prep Batch: 101172 QC Preparation: 2015-02-25 Prepared By: RL

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Chloride		2,3,5,7,8	222000	mg/L	5000	125000	87700	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			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Chloride		2,3,5,7,8	219000	mg/L	5000	125000	87700	105	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: 387388

QC Batch: 119620 Date Analyzed: 2015-02-25 Analyzed By: RL
Prep Batch: 101172 QC Preparation: 2015-02-25 Prepared By: RL

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Nitrate-N		2,3,5,7,8	26600	mg/L	5000	25000	<13.7	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			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Nitrate-N		2,3,5,7,8	25900	mg/L	5000	25000	<13.7	104	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: 387580

QC Batch: 119706 Date Analyzed: 2015-03-02 Analyzed By: CF
Prep Batch: 101252 QC Preparation: 2015-03-02 Prepared By: CF

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.80	90	76.4 - 120

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

Report Date: March 3, 2015
461601

Work Order: 15022409
Big Sky Dairy

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Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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-1)

QC Batch: 119620

Date Analyzed: 2015-02-25

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.5	94	90 - 110	2015-02-25

Standard (CCV-1)

QC Batch: 119620

Date Analyzed: 2015-02-25

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.23	105	90 - 110	2015-02-25

Standard (CCV-2)

QC Batch: 119620

Date Analyzed: 2015-02-25

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.6	94	90 - 110	2015-02-25

Standard (CCV-2)

QC Batch: 119620

Date Analyzed: 2015-02-25

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.22	104	90 - 110	2015-02-25

Standard (ICV-1)

QC Batch: 119706

Date Analyzed: 2015-03-02

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	2015-03-02

Standard (CCV-1)

QC Batch: 119706

Date Analyzed: 2015-03-02

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	2015-03-02

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike	
					Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	Lubbock
8		2014-018	Lubbock

Standard Flags

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

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

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

TraceAnalysis, Inc.
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298
 Phone #: 915-859-8150
 Cell #: _____
 D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln., El Paso, Texas 79907
 E-mail: vayala@dhpump.com

Project #: 461601
 George Segura 575-233-3620
 Project Name:
 Big Sky Dairy
 Sampler Signature: gms
 Project Location (including state):
 Big Sky Dairy, 17800 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
397508	833-06	1	250	X				X		X			2-24-15	12:06
	833-06	1	500	X						X			2-24-15	12:06
	833-10	1		X						X				
	833-10	1		X						X				
	833-10	1		X				X		X				
	833-10	1		X				X		X				
	833-10	1		X				X		X				
	833-10	1		X						X				
	833-10	1		X						X				
	833-10	1		X				X		X				

ANALYSIS REQUEST		Turn Around Time
MTBE 8021B/602		
BTEX 8021B/602		
TPH 418.1 / TX1005		
TX 1005 Extended (C36)		
PAH 8270C		
PAH 8270 (Low Level Analysis)		
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	X	
Nitrates EPA 300	X	
Total Kjeldhal Nitrogen SM 4500 NORRG C	X	
Chloride EPA 300.0	X	
Total Dissolved Solids SM 2540 C MOD	X	
Phosphorus SM 4500		

Remarks: on JEL

Relinquished By: JMY Date: 2-24-15 Time: 12:57
 Received By: NRC TAEF Date: 2/24/15 Time: 12:54

Relinquished By: NRC TAEF Date: 2/24/15 Time: 16:30
 Received at Laboratory By: _____ Date: _____ Time: _____

Lab Use Only
 Intact DN
 Headspace Y/N
 Temp 22.4C
 Log-in Review PH

Dry Weight Basis Required
 TRRP Report Required

careyjm

1502 2409

0101 Adrevent, Ste. 5
Lubbock, TX 79424
Tel (806) 794-1296
Fax (806) 794-1298

TraceAnalysis, Inc.

Company Name:
D&H Petroleum & Environmental Services
Address: (Street, City, Zip)
1221 Tower Trail Ln., El Paso, Texas 79907
Contact Person:
Victor Ayala

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

Project Name:
George Segura 575-233-3620

Project #:
461601

Sampler Signature: *guy*

Project Location (including state):
Big Sky Dairy, 17800 Stern Drive, Mesquite, NM

Invoice to (if different from above):
Big Sky Dairy, P.O. Box 10, Mesquite, NM 88048
Project #:
461601

LAB #	LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX	PRESERVATIVE METHOD						SAMPLING DATE	TIME	
						H ₂ SO ₄	HCl	HNO ₃	NaOH	ICE	NONE			
833-06		833-06	1	250	X			X		X			2-24-15	12:06
833-06		833-06	1	500	X			X		X			2-24-15	12:06
833-10			1		X			X		X				
833-10			1		X			X		X				
833-10			1		X			X		X				
833-10			1		X			X		X				
833-10			1		X			X		X				

LAB USE ONLY)	MATRIX	PRESERVATIVE METHOD	DATE	TIME	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1 / TX1005	TX 1005 Extended (C35)	PAH 8270C	PAH 8270 (Low Level Analysis)	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	Nitrates EPA 300	Total Kjeldahl Nitrogen SM 4500 NORG C	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Phosphorus SM 4500	Turn Around Time	Hold

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 1502 2409

Page 1 of 1

ANALYSIS REQUEST

Relinquished By: *guy* Date: 2-24-15 Time: 12:54
 Received By: *MCC TRSEP 2/24/15* Date: 2/24/15 Time: 12:54

Relinquished By: *MCC TRSEP 2/24/15* Date: 2/24/15 Time: 16:30
 Received By: *Atayla TA 2/25/15* Date: 2/25/15 Time: 9:45

Remarks: *on JCG*

Lab Use Only: Intact *Y/N*

Headspace *Y/N*

Temp *22.4*

Log-in Review *DPH*

Dry Weight Basis Required

TRRP Report Required

every tm LS 49170909



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

George Segura
Big Sky Dairy
17800 Stern Drive
P.O. Box 10
Mesquite, NM, 88048

Report Date: March 4, 2015

Work Order: 15022529



Project Location: 17800 S. Stern Dr., Mesquite, NM
Project Name: Big Sky Dairy
Project Number: 461601

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
387579	833-7	water	2015-02-25	12:02	2015-02-25
387580	833-2	water	2015-02-25	09:34	2015-02-25
387581	833-9	water	2015-02-25	11:08	2015-02-25
387582	833-4	water	2015-02-25	13:40	2015-02-25
387583	833-10	water	2015-02-25	10:08	2015-02-25

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

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 Big Sky Dairy were received by TraceAnalysis, Inc. on 2015-02-25 and assigned to work order 15022529. Samples for work order 15022529 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	101201	2015-02-26 at 19:58	119652	2015-02-26 at 19:58
NO3 (IC)	E 300.0	101201	2015-02-26 at 19:58	119652	2015-02-26 at 19:58
TDS	SM 2540C	101169	2015-02-25 at 14:25	119616	2015-02-25 at 14:25
TKN	SM 4500-NH3 B,C	101252	2015-03-02 at 11:30	119706	2015-03-02 at 15:30
TKN	SM 4500-NH3 B,C	101286	2015-03-03 at 12:00	119742	2015-03-03 at 15:00

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 15022529 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: 387579 - 833-7

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 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	1100	1100	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387579 - 833-7

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	86.8	86.8	<0.251	mg/L	10	0.251	0.5	0.0251

Sample: 387579 - 833-7

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119616 Date Analyzed: 2015-02-25 Analyzed By: MC
 Prep Batch: 101169 Sample Preparation: 2015-02-25 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	4320	4320	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387579 - 833-7

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119706 Date Analyzed: 2015-03-02 Analyzed By: CF
 Prep Batch: 101252 Sample Preparation: 2015-03-02 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	2,3,6,7	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387580 - 833-2

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 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	780	780	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387580 - 833-2

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	50.9	50.9	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387580 - 833-2

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119616 Date Analyzed: 2015-02-25 Analyzed By: MC
 Prep Batch: 101169 Sample Preparation: 2015-02-25 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2820	2820	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387580 - 833-2

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119706 Date Analyzed: 2015-03-02 Analyzed By: CF
 Prep Batch: 101252 Sample Preparation: 2015-03-02 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387581 - 833-9

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	936	936	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387581 - 833-9

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	136	136	<1.26	mg/L	50	1.26	0.5	0.0251

Sample: 387581 - 833-9

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119616 Date Analyzed: 2015-02-25 Analyzed By: MC
 Prep Batch: 101169 Sample Preparation: 2015-02-25 Prepared By: MC

continued . . .

sample 387581 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	4450	4450	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387581 - 833-9

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119742 Date Analyzed: 2015-03-03 Analyzed By: CF
 Prep Batch: 101286 Sample Preparation: 2015-03-03 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387582 - 833-4

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 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	666	666	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387582 - 833-4

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 Prepared By: JR

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Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	15.5	15.5	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387582 - 833-4

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119616 Date Analyzed: 2015-02-25 Analyzed By: MC
 Prep Batch: 101169 Sample Preparation: 2015-02-25 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	2260	2260	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387582 - 833-4

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119742 Date Analyzed: 2015-03-03 Analyzed By: CF
 Prep Batch: 101286 Sample Preparation: 2015-03-03 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387583 - 833-10

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 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	661	661	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387583 - 833-10

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Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
Prep Batch: 101201 Sample Preparation: 2015-02-26 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		1,4,5	4.52	4.52	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387583 - 833-10

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 119616 Date Analyzed: 2015-02-25 Analyzed By: MC
Prep Batch: 101169 Sample Preparation: 2015-02-25 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	2740	2740	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387583 - 833-10

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 119742 Date Analyzed: 2015-03-03 Analyzed By: CF
Prep Batch: 101286 Sample Preparation: 2015-03-03 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119616
Prep Batch: 101169

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

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: 119652
Prep Batch: 101201

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00680	mg/L	0.0068

Method Blank (1)

QC Batch: 119652
Prep Batch: 101201

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,5	<0.0251	mg/L	0.0251

Method Blank (1)

QC Batch: 119706
Prep Batch: 101252

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

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	<1.80	mg/L	1.8

Method Blank (1)

QC Batch: 119742
Prep Batch: 101286

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 387508

QC Batch: 119616
Prep Batch: 101169

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	3030	3080	mg/L	1	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119616
Prep Batch: 101169

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	1100	mg/L	1	1000	<2.50	110	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	997	mg/L	1	1000	<2.50	100	90 - 110	10	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: 119652
Prep Batch: 101201

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	24.5	mg/L	1	25.0	<0.00680	98	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	24.5	mg/L	1	25.0	<0.00680	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: 119652
Prep Batch: 101201

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.88	mg/L	1	5.00	<0.0251	98	90 - 110

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

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Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,5	4.89	mg/L	1	5.00	<0.0251	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: 119706
Prep Batch: 101252

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,6,7	43.4	mg/L	1	50.0	<1.80	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,6,7	44.8	mg/L	1	50.0	<1.80	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: 119742
Prep Batch: 101286

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Kjeldahl Nitrogen - N		2,3,6,7	44.1	mg/L	1	50.0	<1.80	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,6,7	44.8	mg/L	1	50.0	<1.80	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: 387582

QC Batch: 119652
Prep Batch: 101201

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	2150	mg/L	55.6	1390	666	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	2160	mg/L	55.6	1390	666	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: 387582

QC Batch: 119652
Prep Batch: 101201

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

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	287	mg/L	55.6	278	15.5	98	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	287	mg/L	55.6	278	15.5	98	80 - 120	0	20

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

Matrix Spike (MS-1) Spiked Sample: 387580

QC Batch: 119706
Prep Batch: 101252

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	44.8	mg/L	1	50.0	<1.80	90	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.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	44.1	mg/L	1	50.0	<1.80	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: 387673

QC Batch: 119742
Prep Batch: 101286

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

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	43.4	mg/L	1	50.0	<1.80	87	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	<1.80	87	76.4 - 120	0	20

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

Calibration Standards

Standard (CCV-1)

QC Batch: 119652

Date Analyzed: 2015-02-26

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	22.8	91	90 - 110	2015-02-26

Standard (CCV-1)

QC Batch: 119652

Date Analyzed: 2015-02-26

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	4.62	92	90 - 110	2015-02-26

Standard (CCV-2)

QC Batch: 119652

Date Analyzed: 2015-02-26

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	23.6	94	90 - 110	2015-02-26

Standard (CCV-2)

QC Batch: 119652

Date Analyzed: 2015-02-26

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	4.78	96	90 - 110	2015-02-26

Standard (CCV-3)

QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.0	96	90 - 110	2015-02-26

Standard (CCV-3)

QC Batch: 119652 Date Analyzed: 2015-02-26 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	4.85	97	90 - 110	2015-02-26

Standard (ICV-1)

QC Batch: 119706 Date Analyzed: 2015-03-02 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	2015-03-02

Standard (CCV-1)

QC Batch: 119706 Date Analyzed: 2015-03-02 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	2015-03-02

Standard (ICV-1)

QC Batch: 119742 Date Analyzed: 2015-03-03 Analyzed By: CF

Report Date: March 4, 2015
461601

Work Order: 15022529
Big Sky Dairy

Page Number: 21 of 24
17800 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	2015-03-03

Standard (CCV-1)

QC Batch: 119742

Date Analyzed: 2015-03-03

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.76	95	85 - 115	2015-03-03

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.750	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.125	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-14-10	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.

5010 Alameda, Ste 9
Lubbock, TX 79424
Tel (806) 794-1286
Fax (806) 794-1298

TraceAnalysis, Inc.

Company Name: **D&H Petroleum & Environmental Services**
 Address: (Street, City, Zip)
 1221 Tower Trail Ln., El Paso, Texas 79907
 Contact Person: **Victor Ayala**
 Invoice to (if different from above):
 Big Sky Dairy, P.O. Box 10, Mesquite, NM 88048
 Project #: **4161601**

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

Project Name: **George Segura 575-233-3620**
 Big Sky Dairy
 Sampler Signature: *July*

LAB Order ID # **15022579**

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

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 601DB/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 #	(LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				DATE	SAMPLING TIME		
					WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH			ICE	NONE
833-1			1	250	X				X						2-25-15	12:02
833-2			1	500	X				X						12:02	
833-2			1	250	X				X						9:34	
833-2			1	500	X				X						9:34	
833-9			1	250	X				X						11:08	
833-9			1	500	X				X						11:08	
833-4			1	250	X				X						13:40	
833-4			1	500	X				X						13:40	
833-10			1	250	X				X						10:06	
833-10			1	500	X				X						10:06	
833-6			1	250	X				X							
833-7			1	250	X				X							
833-7			1	500	X				X							
833-8			1	250	X				X							
833-8			1	500	X				X							

Reinquired By: *guy* Date: 2-25-15 Time: 14:10
 Received By: *D7-ATL T.A.* Date: 2-25-15 Time: 14:10
 Lab Use Only: Intact Y N
 Headspace Y N
 Temp *4/4*
 Log-in Review *4/4*
 Remarks:
 Dry Weight Basis Required
 TRRP Report Required

LAB Order ID # 15022579

TraceAnalysis, Inc.
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298
 Phone #: 915-859-8150
 Cell #:
 Fax #:
 E-mail: vavala@dhpump.com

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):
 Big Sky Dairy, P.O. Box 10, Mesquite, NM 88048
 Project #: 4616101
 Project Name:
 Big Sky Dairy
 Sampler Signature: JWS

Project Location (including state):
 Big Sky Dairy, 17800 Stern Drive, Mesquite, NM
 Volume/Amount: # Containers

LAB # (LAB USE ONLY)	Field Code	# Containers	MATRIX			PRESERVATIVE METHOD				DATE	SAMPLING TIME	
			WATER	AIR	SLUDGE	HNO ₃	H ₂ SO ₄	NaOH	ICE			NONE
833-7		1	X			X			X		2-25-15	12:02
833-7		1	X			X			X			12:02
833-2		1	X			X			X			9:34
833-2		1	X			X			X			9:34
833-9		1	X			X			X			11:08
833-9		1	X			X			X			11:08
833-4		1	X			X			X			13:40
833-4		1	X			X			X			13:40
833-10		1	X			X			X			10:08
833-10		1	X			X			X			10:08
833-6		1	X			X			X			
833-6		1	X			X			X			
833-7		1	X			X			X			
833-7		1	X			X			X			
833-8		1	X			X			X			
833-8		1	X			X			X			

Relinquished By: AW Date: 2-25-15 Time: 14:10
 Relinquished By: DJ AH Date: 2-25-15 Time: 16:30
 Received By: DJ AH Date: 2-25-15 Time: 14:10
 Received at Laboratory By: Kayla TA Date: 2/26/15 Time: 10:10

ANALYSIS REQUEST	Remarks:
PAH 8270 (Low Level Analysis)	
PAH 8270C	
TX 1005 Extended (C35)	
TPH 418.1 / TX1005	
BTEX 8021B/602	
MTE 8021B/602	
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	

Lab Use Only
 Intact Y / N 12-1
 Headspace Y / N
 Temp 9/14
 Log-In Review AW
 Dry Weight Basis Required
 TRRP Report Required

LS 49170907



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

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

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

Report Date: March 4, 2015

Work Order: 15022626



Project Location: 13600 Stern Dr. Mesquite, NM
 Project Name: Dominguez Dairy
 Project Number: 461591

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
387659	42- Lagoon	Water	2015-02-26	12:57	2015-02-26
387660	42- 02	Water	2015-02-26	11:02	2015-02-26
387661	42- 06	Water	2015-02-26	11:56	2015-02-26
387662	42- 08	Water	2015-02-26	11:23	2015-02-26
387663	42- 09	Water	2015-02-26	12:40	2015-02-26
387664	42-13	Water	2015-02-26	13:21	2015-02-26

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.

This report consists of a total of 26 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

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

Blair Leftwich

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

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Case Narrative

Samples for project Dominguez Dairy were received by TraceAnalysis, Inc. on 2015-02-26 and assigned to work order 15022626. Samples for work order 15022626 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	101201	2015-02-26 at 19:58	119652	2015-02-26 at 19:58
Chloride (IC)	E 300.0	101224	2015-02-27 at 17:24	119682	2015-02-27 at 17:24
NO3 (IC)	E 300.0	101201	2015-02-26 at 19:58	119652	2015-02-26 at 19:58
NO3 (IC)	E 300.0	101224	2015-02-27 at 17:24	119682	2015-02-27 at 17:24
TDS	SM 2540C	101245	2015-02-27 at 13:30	119704	2015-02-27 at 13:30
TKN	SM 4500-NH3 B,C	101286	2015-03-03 at 12:00	119742	2015-03-03 at 15:00

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 15022626 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. 119682 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 387659 - 42- Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 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	958	958	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387659 - 42- Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	2.53	2.53	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387659 - 42- Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119704 Date Analyzed: 2015-02-27 Analyzed By: MC
 Prep Batch: 101245 Sample Preparation: 2015-02-27 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	4600	4600	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387659 - 42- Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119742 Date Analyzed: 2015-03-03 Analyzed By: CF
 Prep Batch: 101286 Sample Preparation: 2015-03-03 Prepared By: CF

Report Date: March 4, 2015
461591

Work Order: 15022626
Dominguez Dairy

Page Number: 7 of 26
13600 Stern Dr. Mesquite, NM

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,6,7	274	274	<1.80	mg/L	1	1.80	10	1.8

Sample: 387660 - 42- 02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 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	483	483	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387660 - 42- 02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
 Prep Batch: 101201 Sample Preparation: 2015-02-26 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	7.61	7.61	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387660 - 42- 02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119704 Date Analyzed: 2015-02-27 Analyzed By: MC
 Prep Batch: 101245 Sample Preparation: 2015-02-27 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2580	2580	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387660 - 42- 02

Report Date: March 4, 2015
461591

Work Order: 15022626
Dominguez Dairy

Page Number: 8 of 26
13600 Stern Dr. Mesquite, NM

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 119742 Date Analyzed: 2015-03-03 Analyzed By: CF
Prep Batch: 101286 Sample Preparation: 2015-03-03 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,6,7	6.30	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387661 - 42- 06

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
Prep Batch: 101201 Sample Preparation: 2015-02-26 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	323	323	<0.0680	mg/L	10	0.0680	2.5	0.0068

Sample: 387661 - 42- 06

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119652 Date Analyzed: 2015-02-26 Analyzed By: JR
Prep Batch: 101201 Sample Preparation: 2015-02-26 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,5	78.0	78.0	<0.251	mg/L	10	0.251	0.5	0.0251

Sample: 387661 - 42- 06

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 119704 Date Analyzed: 2015-02-27 Analyzed By: MC
Prep Batch: 101245 Sample Preparation: 2015-02-27 Prepared By: MC

continued . . .

sample 387661 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	2100	2100	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387661 - 42- 06

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119742 Date Analyzed: 2015-03-03 Analyzed By: CF
 Prep Batch: 101286 Sample Preparation: 2015-03-03 Prepared By: CF

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	J	2,3,6,7	2.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387662 - 42- 08

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119682 Date Analyzed: 2015-02-27 Analyzed By: JR
 Prep Batch: 101224 Sample Preparation: 2015-02-27 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	85.7	85.7	<0.0340	mg/L	5	0.0340	2.5	0.0068

Sample: 387662 - 42- 08

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119682 Date Analyzed: 2015-02-27 Analyzed By: JR
 Prep Batch: 101224 Sample Preparation: 2015-02-27 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	MI5	1,4,5	44.9	44.9	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387662 - 42- 08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119704 Date Analyzed: 2015-02-27 Analyzed By: MC
 Prep Batch: 101245 Sample Preparation: 2015-02-27 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	1400	1400	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387662 - 42- 08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119742 Date Analyzed: 2015-03-03 Analyzed By: CF
 Prep Batch: 101286 Sample Preparation: 2015-03-03 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387663 - 42- 09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119682 Date Analyzed: 2015-02-27 Analyzed By: JR
 Prep Batch: 101224 Sample Preparation: 2015-02-27 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	673	673	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387663 - 42- 09

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Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119682 Date Analyzed: 2015-02-27 Analyzed By: JR
Prep Batch: 101224 Sample Preparation: 2015-02-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Nitrate-N	MI5	1,4,5	69.8	69.8	<0.251	mg/L	10	0.251	0.5	0.0251

Sample: 387663 - 42- 09

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 119704 Date Analyzed: 2015-02-27 Analyzed By: MC
Prep Batch: 101245 Sample Preparation: 2015-02-27 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	2960	2960	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387663 - 42- 09

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 119742 Date Analyzed: 2015-03-03 Analyzed By: CF
Prep Batch: 101286 Sample Preparation: 2015-03-03 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387664 - 42-13

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119682 Date Analyzed: 2015-02-27 Analyzed By: JR
Prep Batch: 101224 Sample Preparation: 2015-02-27 Prepared By: JR

continued ...

sample 387664 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,5	781	781	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387664 - 42-13

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119682 Date Analyzed: 2015-02-27 Analyzed By: JR
 Prep Batch: 101224 Sample Preparation: 2015-02-27 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	M15	1,4,5	49.0	49.0	<0.251	mg/L	10	0.251	0.5	0.0251

Sample: 387664 - 42-13

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119704 Date Analyzed: 2015-02-27 Analyzed By: MC
 Prep Batch: 101245 Sample Preparation: 2015-02-27 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,5	3420	3420	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387664 - 42-13

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119742 Date Analyzed: 2015-03-03 Analyzed By: CF
 Prep Batch: 101286 Sample Preparation: 2015-03-03 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119652
Prep Batch: 101201

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00680	mg/L	0.0068

Method Blank (1)

QC Batch: 119652
Prep Batch: 101201

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,5	<0.0251	mg/L	0.0251

Method Blank (1)

QC Batch: 119682
Prep Batch: 101224

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00680	mg/L	0.0068

Method Blank (1)

QC Batch: 119682
Prep Batch: 101224

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: JR
Prepared By: JR

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Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	MI5	1,4,5	0.150	mg/L	0.0251

Method Blank (1)

QC Batch: 119704
Prep Batch: 101245

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

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: 119742
Prep Batch: 101286

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 387674

QC Batch: 119704
Prep Batch: 101245

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	3370	3340	mg/L	1	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119652
Prep Batch: 101201

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	24.5	mg/L	1	25.0	<0.00680	98	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	24.5	mg/L	1	25.0	<0.00680	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: 119652
Prep Batch: 101201

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.88	mg/L	1	5.00	<0.0251	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	4.89	mg/L	1	5.00	<0.0251	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: 119682
Prep Batch: 101224

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	23.6	mg/L	1	25.0	<0.00680	94	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							
Chloride		1,4,5	23.6	mg/L	1	25.0	<0.00680	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: 119682
Prep Batch: 101224

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,5	4.70	mg/L	1	5.00	<0.0251	94	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		1,4,5	4.71	mg/L	1	5.00	<0.0251	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: 119704
Prep Batch: 101245

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Dissolved Solids		1,4,5	990	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. Limit	RPD	RPD Limit
			Result	Units							
Total Dissolved Solids		1,4,5	997	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: 119742
Prep Batch: 101286

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	44.1	mg/L	1	50.0	<1.80	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	<1.80	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: 387582

QC Batch: 119652
Prep Batch: 101201

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,5	2150	mg/L	55.6	1390	666	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		1,4,5	2160	mg/L	55.6	1390	666	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: 387582

QC Batch: 119652
Prep Batch: 101201

Date Analyzed: 2015-02-26
QC Preparation: 2015-02-26

Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,5	287	mg/L	55.6	278	15.5	98	80 - 120

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

Param	F	C	MSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,5	287	mg/L	55.6	278	15.5	98	80 - 120	0	20

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

Matrix Spike (MS-1) Spiked Sample: 387673

QC Batch: 119742
Prep Batch: 101286

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed 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	43.4	mg/L	1	50.0	<1.80	87	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	43.4	mg/L	1	50.0	<1.80	87	76.4 - 120	0	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
Chloride		1,4,5	mg/L	25.0	24.1	96	90 - 110	2015-02-27

Standard (CCV-2)

QC Batch: 119682

Date Analyzed: 2015-02-27

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	4.88	98	90 - 110	2015-02-27

Standard (ICV-1)

QC Batch: 119742

Date Analyzed: 2015-03-03

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.34	87	85 - 115	2015-03-03

Standard (CCV-1)

QC Batch: 119742

Date Analyzed: 2015-03-03

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.76	95	85 - 115	2015-03-03

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.750	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.125	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-14-10	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
Midland, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

RioAquatic Testing
2501 Mayes Rd., Site 100
Carrollton, Texas 75006
Tel (972) 242-7750

email: lab@traceanalysis.com

Company Name: Environmental Phone #: 415-857-8150
 Address: 121 Tower Trail Ln, El Paso, TX, 79907 Fax #:
 Contact Person: Victor Ayala E-mail: vayal@ech.pumpco.com
 Invoice to: Isaac Dominguez
 (If different from above) to Box 21, 18600 Stern Dr
 Project #: 416191 Project Name: Dominique Z
 Project Location (including state): 18600 Stern Dr, Mesquite, NM, 88048
 Sampler Signature: Judy

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624	
BTEX 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 6010/2007	
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	
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 EM 300.0	X
TKN SM 4500 NDR C	X
Chloride EM 300.0	X
TDS SM 2540 C WSP	X
Turn Around Time if different from standard	

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
387659-1	42-Lagoon	1	150	X				X					2-24-15	12:57
-2	42-Lagoon	1	500	X				X					11:08	12:57
1601-1-0917	42-02	1	150	X				X					11:02	
-2	42-02	1	500	X				X					11:56	
1601-1-42-06	42-06	1	150	X				X					11:56	
-2	42-06	1	500	X				X					11:56	
1621-1-42-08	42-08	1	150	X				X					11:23	
-2	42-08	1	500	X				X					11:23	
1631-1-42-09	42-09	1	150	X				X					12:40	
-2	42-09	1	500	X				X					12:40	

REMARKS:

LAB USE ONLY

INST: 12-1
OBS: 3
COR: 3

Received by: Danny A.H. T.A. Company: D.A.H. T.A. Date: 2-26-15 Time: 14:16

Received by: D.A.H. T.A. Company: D.A.H. T.A. Date: 2-24-15 Time: 16:30

Received by: D.A.H. T.A. Company: D.A.H. T.A. Date: 2-24-15 Time: 16:30

Dry Weight Basis Required
 TRRP Report Required
 Check if Special Reporting Limits Are Needed

TraceAnalysis, Inc.

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Site 100
Carrollton, Texas 75006
Tel (972) 242-7750

email: lab@traceanalysis.com

Company Name: D24 Petroleum & Environmental		Phone #: 915-854-8150	
Address: 1221 Tower Trail Ln, El Paso, TX, 79907		Fax #:	
Contact Person: Vicior Ayala		E-mail: veyedaoch@pumpkin.com	
Invoice to: (If different from above) PO Box 21, 13600 Stern Dr		Project Name: Isaac Dominguez	
Project #: 461591		Project Signature: Dominguez Z	
Project Location (including state): 13600 Stern Dr, Mesquite, NM, 88048		Sampler Signature: Judy	

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING DATE	TIME
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH		
387659-1	42-Lagoon	1	250	X				X			X	2-26-15	1257
-2	42-Lagoon	1	500	X				X			X	1257	
660-1	42-02	1	250	X				X			X	1102	
-2	42-02	1	500	X				X			X	1102	
661-1	42-06	1	250	X				X			X	1156	
-2	42-06	1	500	X				X			X	1156	
662-1	42-08	1	250	X				X			X	1123	
-2	42-08	1	500	X				X			X	1123	
663-1	42-09	1	250	X				X			X	1240	
-2	42-09	1	500	X				X			X	1240	

LAB USE ONLY	REMARKS:
INST: 42-1 OBS: 3 COR: 3	LAB USE ONLY Integr. Y./N. Headspace Y./N./NA
INST: 14/16 OBS: 3 COR: 3	
INST: 11/12 OBS: 7 COR: 5	Dry Weight Basis Required TRRP Report Required Check if Special Reporting Limits Are Needed
INST: 2-27-15 OBS: 7 COR: 5	

Carrier # **CARRY IN / 1549170906**

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

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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: March 4, 2015

Work Order: 15030215



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
387854	692-07	water	2015-03-02	12:50	2015-03-02
387855	692-08	water	2015-03-02	11:53	2015-03-02
387856	692 Lagoon	water	2015-03-02	13:47	2015-03-02

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.

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.

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 2015-03-02 and assigned to work order 15030215. Samples for work order 15030215 were received intact at a temperature of 4 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	101270	2015-03-02 at 10:55	119727	2015-03-02 at 10:55
NO3 (IC)	E 300.0	101270	2015-03-02 at 10:55	119727	2015-03-02 at 10:55
TDS	SM 2540C	101253	2015-03-02 at 14:45	119707	2015-03-02 at 14:45
TKN	SM 4500-NH3 B,C	101314	2015-03-04 at 10:30	119774	2015-03-04 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 15030215 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: 387854 - 692-07

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119727 Date Analyzed: 2015-03-02 Analyzed By: JR
 Prep Batch: 101270 Sample Preparation: 2015-03-02 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	1,4,6	668	668	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387854 - 692-07

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119727 Date Analyzed: 2015-03-02 Analyzed By: JR
 Prep Batch: 101270 Sample Preparation: 2015-03-02 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	3.53	3.53	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387854 - 692-07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119707 Date Analyzed: 2015-03-02 Analyzed By: MC
 Prep Batch: 101253 Sample Preparation: 2015-03-02 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	1580	1580	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387854 - 692-07

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119774 Date Analyzed: 2015-03-04 Analyzed By: CF
 Prep Batch: 101314 Sample Preparation: 2015-03-04 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387855 - 692-08

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119727 Date Analyzed: 2015-03-02 Analyzed By: JR
 Prep Batch: 101270 Sample Preparation: 2015-03-02 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B	1,4,6	433	433	<0.0680	mg/L	10	0.0680	2.5	0.0068

Sample: 387855 - 692-08

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119727 Date Analyzed: 2015-03-02 Analyzed By: JR
 Prep Batch: 101270 Sample Preparation: 2015-03-02 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	3.34	3.34	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387855 - 692-08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119707 Date Analyzed: 2015-03-02 Analyzed By: MC
 Prep Batch: 101253 Sample Preparation: 2015-03-02 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	1360	1360	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387855 - 692-08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119774 Date Analyzed: 2015-03-04 Analyzed By: CF
 Prep Batch: 101314 Sample Preparation: 2015-03-04 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,9	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387856 - 692 Lagoon

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119727 Date Analyzed: 2015-03-02 Analyzed By: JR
 Prep Batch: 101270 Sample Preparation: 2015-03-02 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B	1,4,6	1840	1840	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387856 - 692 Lagoon

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119727 Date Analyzed: 2015-03-02 Analyzed By: JR
 Prep Batch: 101270 Sample Preparation: 2015-03-02 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	U	1,4,6	<0.251	<5.00	<0.251	mg/L	10	0.251	0.5	0.0251

Sample: 387856 - 692 Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119707 Date Analyzed: 2015-03-02 Analyzed By: MC
 Prep Batch: 101253 Sample Preparation: 2015-03-02 Prepared By: MC

continued . . .

sample 387856 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	8800	8800	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387856 - 692 Lagoon

Laboratory: Lubbock
Analysis: TKN
QC Batch: 119774
Prep Batch: 101314

Analytical Method: SM 4500-NH3 B,C
Date Analyzed: 2015-03-04
Sample Preparation: 2015-03-04

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		2,3,7,9	429	429	<3.60	mg/L	2	3.60	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119707
Prep Batch: 101253Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02Analyzed By: MC
Prepared By: MC

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

Method Blank (1)

QC Batch: 119727
Prep Batch: 101270Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride	B	1,4,6	1.34	mg/L	0.0068

Method Blank (1)

QC Batch: 119727
Prep Batch: 101270Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		1,4,6	<0.0251	mg/L	0.0251

Method Blank (1)

QC Batch: 119774
Prep Batch: 101314Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04Analyzed By: CF
Prepared By: CF

Report Date: March 4, 2015

Work Order: 15030215
Del Oro Dairy

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Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,9	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 387673

QC Batch: 119707
Prep Batch: 101253

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3000	2970	mg/L	1	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119707
Prep Batch: 101253

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	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.	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: 119727
Prep Batch: 101270

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

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	<0.00680	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	<0.00680	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: 119727
Prep Batch: 101270

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	5.00	mg/L	1	5.00	<0.0251	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							
Nitrate-N		1,4,6	5.01	mg/L	1	5.00	<0.0251	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: 119774
Prep Batch: 101314

Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04

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	42.7	mg/L	1	50.0	<1.80	85	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	43.4	mg/L	1	50.0	<1.80	87	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: 387854QC Batch: 119727
Prep Batch: 101270Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02Analyzed By: JR
Prepared By: JR

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Chloride		1,4,6	2180	mg/L	55.6	1390	668	109	80 - 120

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

Param	F	C	MSD			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Chloride		1,4,6	2180	mg/L	55.6	1390	668	109	80 - 120	0	20

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

Matrix Spike (MS-1) Spiked Sample: 387854QC Batch: 119727
Prep Batch: 101270Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02Analyzed By: JR
Prepared By: JR

Param	F	C	MS			Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units	Dil.				
Nitrate-N		1,4,6	283	mg/L	55.6	278	3.53	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			Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units	Dil.						
Nitrate-N		1,4,6	282	mg/L	55.6	278	3.53	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: 387855QC Batch: 119774
Prep Batch: 101314Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04Analyzed 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	44.8	mg/L	1	50.0	<1.80	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	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	44.1	mg/L	1	50.0	<1.80	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-1)

QC Batch: 119727

Date Analyzed: 2015-03-02

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.0	100	90 - 110	2015-03-02

Standard (CCV-1)

QC Batch: 119727

Date Analyzed: 2015-03-02

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	5.06	101	90 - 110	2015-03-02

Standard (CCV-2)

QC Batch: 119727

Date Analyzed: 2015-03-02

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.1	100	90 - 110	2015-03-02

Standard (CCV-2)

QC Batch: 119727

Date Analyzed: 2015-03-02

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	5.09	102	90 - 110	2015-03-02

Standard (ICV-1)

QC Batch: 119774

Date Analyzed: 2015-03-04

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		2,3,7,9	mg/L	5.00	4.34	87	85 - 115	2015-03-04

Standard (CCV-1)

QC Batch: 119774

Date Analyzed: 2015-03-04

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		2,3,7,9	mg/L	5.00	4.90	98	85 - 115	2015-03-04

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.750	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.125	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	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.

Company Name: 15030215 TraceAnalysis, Inc. Phone #: 915-859-8150
 D&H Petroleum & Environmental Services Cell #:
 Address: (Street, City, Zip) Paso, TX 79932
 1221 Tower Trail Ln, El Paso TX 79907 Tel (915) 585-3443
 Contact Person: Victor Ayala E-mail: vajala@dhpump.com Fax (915) 585-4944
 Project Name: Jerry Settles 575-882-4331
 Project #: Del Oro Dairy
 Project Location (including state): Del Oro Dairy, 1025 East O'Hara, Anthony, NM
 Sampled Signature: *[Signature]*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				DATE	SAMPLING TIME		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH			ICE	NONE
692-01		1		X				X			X				
692-01		1		X				X			X				
692-02		1		X				X			X				
692-02		1		X				X			X				
692-04		1		X				X			X				
692-04		1		X				X			X				
692-05		1		X				X			X				
692-05		1		X				X			X				
692-06		1		X				X			X				
692-06		1		X				X			X				
692-07		1	250ml	X				X			X			3/2/15 12:50	
692-07		1	500ml	X				X			X			3/2/15 12:50	
692-08		1	250ml	X				X			X			3/2/15 11:53	
692-08		1	250ml	X				X			X			3/2/15 11:53	
692-09		1		X				X			X				
692-09		1		X				X			X				

ANALYSIS REQUEST
 MTEB 8021B/602
 BTEX 8021B/602
 TPH 418.1 / TX1005
 TX 1005 Extended (C35)
 PAH 8270C
 PAH 8270 (Low Level Analysis)
 Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7
 Nitrate as Nitrogen EPA 300.0
 Chloride EPA Method 300.0
 Sulfate EPA Method 300.0
 Total Dissolved Solids SM 2540 C MOD
 Total Kjeldahl Nitrogen SM 4500 NORG C
 Phosphorus SM 4500
 Turn Around Time

Lab Use Only
 Intact / /
 Headspace Y / /
 Temp / /
 Log-in Review / /
 Remarks: m JCU
 Dry Weight Basis Required
 TRRP Report Required

Relinquished By: *[Signature]* Date: 3/2/15 Time: 14:36
 Relinquished By: *[Signature]* Date: 3/2/15 Time: 16:30
 Received By: MKC Date: 3/2/15 Time: 14:36
 Received at Laboratory By: *[Signature]* Date: 3/3/15 Time: 9am
 L5 49170904 CARRY IN

001 TraceAnalysis, Inc.
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 15030215

Company Name: _____
Phone #: 915-859-8150
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):
Del Oro Dairy, PO Box 1846, Anthony, TX 88021
Project #: _____

Project Name:
Del Oro Dairy

Sampler Signature: *[Signature]*

LAB #	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD					DATE	SAMPLING TIME		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH			ICF	NONE
38786-1	692 Lagoon	1	250ml	X						X				3/2/15	13:47
↓ -2	692 Lagoon	1	50ml	X						X				3/2/15	13:47

MTBE 8021B/602	BTEX 8021B/602	TPH 418.1 / TX1005	TX 1005 Extended (C35)	PAH 8270C	PAH 8270 (Low Level Analysis)	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	Nitrates EPA 300	TKN SM 4500 NORG C	Chloride EPA 300	Total Dissolved Solids SM 2540 C MOD
							X	X	X	X

Turn Around Time	Hold

ANALYSIS REQUEST

Remarks: 1
on ice

Lab Use Only
Intact Y / N
Headspace Y / N
Temp DE / 1 / 44
Log-in Review DH / 3 / 15
TRRP Report Required

Requisitioned By: *[Signature]* Date: 3/2/15 Time: 14:36
Received By: NLC TREP Date: 3/2/15 Time: 14:36
Requisitioned By: [Signature] Date: 3/2/15 Time: 16:30
Received By: [Signature] Date: 3/3/15 Time: 9:00
LS 49170 GARCIA IN

Dry Weight Basis 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: March 10, 2015

P.O. Box 10
 Mesquite, NM, 88048

Work Order: 15030325



Project Location: Various Dairies, Dona Ana County, NM
 Project Name: Dona Ana Dairies Consortium
 Project #: DAD

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
387917	DAD - 22	water	2015-03-03	13:47	2015-03-03

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

This report consists of a total of 17 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.

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 2015-03-03 and assigned to work order 15030325. Samples for work order 15030325 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	101318	2015-03-03 at 17:43	119777	2015-03-03 at 17:43
NO3 (IC)	E 300.0	101318	2015-03-03 at 17:43	119777	2015-03-03 at 17:43
TDS	SM 2540C	101322	2015-03-04 at 13:45	119781	2015-03-04 at 13:45
TKN	SM 4500-NH3 B,C	101427	2015-03-10 at 09:30	119899	2015-03-10 at 14:00

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15030325 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. 119777 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 387917 - DAD - 22

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR
 Prep Batch: 101318 Sample Preparation: 2015-03-03 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	884	884	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387917 - DAD - 22

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR
 Prep Batch: 101318 Sample Preparation: 2015-03-03 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5	1,4,5	6.22	6.22	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387917 - DAD - 22

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119781 Date Analyzed: 2015-03-04 Analyzed By: MC
 Prep Batch: 101322 Sample Preparation: 2015-03-04 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	2400	2400	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387917 - DAD - 22

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119899 Date Analyzed: 2015-03-10 Analyzed By: CF
 Prep Batch: 101427 Sample Preparation: 2015-03-10 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
			Result	Result	Result					
Total Kjeldahl Nitrogen - N	u	2,3,6,7	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119777
Prep Batch: 101318Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00680	mg/L	0.0068

Method Blank (1)

QC Batch: 119777
Prep Batch: 101318Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,MI5	1,4,5	0.149	mg/L	0.0251

Method Blank (1)

QC Batch: 119781
Prep Batch: 101322Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,5	<2.50	mg/L	2.5

Method Blank (1)

QC Batch: 119899
Prep Batch: 101427Date Analyzed: 2015-03-10
QC Preparation: 2015-03-10Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 387913

QC Batch: 119781
 Prep Batch: 101322

Date Analyzed: 2015-03-04
 QC Preparation: 2015-03-04

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	3660	3640	mg/L	1	0	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR
 Prep Batch: 101318 QC Preparation: 2015-03-03 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	24.6	mg/L	1	25.0	<0.00680	98	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	24.6	mg/L	1	25.0	<0.00680	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: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR
 Prep Batch: 101318 QC Preparation: 2015-03-03 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	<0.0251	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	4.92	mg/L	1	5.00	<0.0251	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: 119781 Date Analyzed: 2015-03-04 Analyzed By: MC
 Prep Batch: 101322 QC Preparation: 2015-03-04 Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	997	mg/L	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: 119899
 Prep Batch: 101427

Date Analyzed: 2015-03-10
 QC Preparation: 2015-03-10

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	<1.80	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	44.8	mg/L	1	50.0	<1.80	90	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: 387914QC Batch: 119777
Prep Batch: 101318Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Chloride		1,4,5	1830	mg/L	55.6	1390	430	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	1840	mg/L	55.6	1390	430	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: 387914QC Batch: 119777
Prep Batch: 101318Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03Analyzed By: JR
Prepared By: JR

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		1,4,5	276	mg/L	55.6	278	3.7	98	80 - 120

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

Param	F	C	MSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,5	277	mg/L	55.6	278	3.7	98	80 - 120	0	20

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

Matrix Spike (MS-1) Spiked Sample: 388071QC Batch: 119899
Prep Batch: 101427Date Analyzed: 2015-03-10
QC Preparation: 2015-03-10Analyzed 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	42.7	mg/L	1	50.0	<1.80	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		2,3,6,7	43.4	mg/L	1	50.0	<1.80	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: 119777

Date Analyzed: 2015-03-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.7	99	90 - 110	2015-03-03

Standard (CCV-2)

QC Batch: 119777

Date Analyzed: 2015-03-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	5.00	100	90 - 110	2015-03-03

Standard (CCV-3)

QC Batch: 119777

Date Analyzed: 2015-03-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.9	100	90 - 110	2015-03-03

Standard (CCV-3)

QC Batch: 119777

Date Analyzed: 2015-03-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	5.04	101	90 - 110	2015-03-03

Standard (ICV-1)

QC Batch: 119899

Date Analyzed: 2015-03-10

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	2015-03-10

Standard (CCV-1)

QC Batch: 119899

Date Analyzed: 2015-03-10

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	2015-03-10

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.750	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.125	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-14-10	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
 Tel (806) 794-1296
 Fax (806) 794-1298
 1 (800) 378-1296
 email: lab@traceanalysis.com

Company Name: DNA Petroleum & Environmental
 Address: (Street, City, Zip)
1221 Tower Trail Ln, El Paso, Tx, 79907
 Contact Person: Victor Ayala
 Invoice to: Dona Anna Daines, PO Box 10, Mesquite, NM, 88048
 Project #: NA
 Project Location (including state): Various Daines

Phone #: 915-859-8150
 Fax #:
 E-mail: vayala@dhump.com
 Project Name: Dona Anna Consistum
 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
387974	DAD-22	1	250	X				X		X			3-3-15	13:47
12	DAD-22	1	250	X				X		X			3-3-15	13:47

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	INST:	OBS:	COR:
<u>July</u>	<u>DWH</u>	<u>3-3-15</u>	<u>14:05</u>	<u>MRE</u>	<u>TAEP</u>	<u>3-3-15</u>	<u>14:05</u>	<u>13</u>	<u>13</u>	<u>13</u>
<u>MRE</u>	<u>TAEP</u>	<u>3-3-15</u>	<u>16:30</u>							
<u>MRE</u>	<u>TAEP</u>	<u>3-4-15</u>	<u>9:40</u>	<u>[Signature]</u>	<u>TAEP</u>	<u>3-4-15</u>	<u>9:40</u>	<u>13</u>	<u>13</u>	<u>13</u>

Relinquished by: [Signature] Company: TAEP Date: 3-3-15 Time: 16:30
 Relinquished by: [Signature] Company: TAEP Date: 3-4-15 Time: 9:40
 Carrier # Cam 72 / 5549170903

ANALYSIS REQUEST
 (Circle or Specify Method No.)

<input type="checkbox"/>	MTBE 8021 / 602 / 8260 / 624
<input type="checkbox"/>	BTEX 8021 / 602 / 8260 / 624
<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 Ext(C35)
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	PAH 8270 / 625
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260 / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270 / 625
<input type="checkbox"/>	PCBs 8082 / 608
<input type="checkbox"/>	Pesticides 8081 / 608
<input type="checkbox"/>	BOD, TSS, pH
<input type="checkbox"/>	Moisture Content
<input type="checkbox"/>	Cl, F, SO ₄ , NO ₃ -N, NO ₂ -N, PO ₄ -P, Alkalinity
<input type="checkbox"/>	Na, Ca, Mg, K, TDS, EC
<input checked="" type="checkbox"/>	NITRATES EPA 300.0
<input checked="" type="checkbox"/>	TKN 5M 4500 NORS C
<input checked="" type="checkbox"/>	Chloride EPA 300
<input type="checkbox"/>	TDS Dissolved Solids 5M 2540 C MOD
<input type="checkbox"/>	Turn Around Time if different from standard

REMARKS: OMAC

LAB USE ONLY

Inact IN
 Headspace Y/N/N/A
 Log-in-Review [Signature]
 3-3-15

Dry Weight Basis Required
 TRRP Report Required
 Check If Special Reporting Limits Are Needed



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

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Jerry Settles
 Del Oro Dairy, LLC.
 1025 East O'Hara
 P.O. Box 1846
 Anthony, NM, 88021

Report Date: March 10, 2015

Work Order: 15030324



Project Location: 1025 E. O'Hara , Anthony, NM
 Project Name: Del Oro Dairy
 Project Number: 461600

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
387913	692-02	Water	2015-03-03	08:57	2015-03-03
387914	692-05	Water	2015-03-03	12:21	2015-03-03
387915	692-06	Water	2015-03-03	11:45	2015-03-03
387916	692-09	Water	2015-03-03	13:11	2015-03-03

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

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 Del Oro Dairy were received by TraceAnalysis, Inc. on 2015-03-03 and assigned to work order 15030324. Samples for work order 15030324 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	101318	2015-03-03 at 17:43	119777	2015-03-03 at 17:43
NO3 (IC)	E 300.0	101318	2015-03-03 at 17:43	119777	2015-03-03 at 17:43
TDS	SM 2540C	101322	2015-03-04 at 13:45	119781	2015-03-04 at 13:45
TKN	SM 4500-NH3 B,C	101427	2015-03-10 at 09:30	119899	2015-03-10 at 14:00

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15030324 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. 119777 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 387913 - 692-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR
 Prep Batch: 101318 Sample Preparation: 2015-03-03 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	963	963	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387913 - 692-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR
 Prep Batch: 101318 Sample Preparation: 2015-03-03 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5	1,4,5	142	142	<1.26	mg/L	50	1.26	0.5	0.0251

Sample: 387913 - 692-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119781 Date Analyzed: 2015-03-04 Analyzed By: MC
 Prep Batch: 101322 Sample Preparation: 2015-03-04 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	3640	3640	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387913 - 692-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119899 Date Analyzed: 2015-03-10 Analyzed By: CF
 Prep Batch: 101427 Sample Preparation: 2015-03-10 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	J	2,3,6,7	2.10	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387914 - 692-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR
 Prep Batch: 101318 Sample Preparation: 2015-03-03 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	430	430	<0.0680	mg/L	10	0.0680	2.5	0.0068

Sample: 387914 - 692-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR
 Prep Batch: 101318 Sample Preparation: 2015-03-03 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5	1,4,5	3.70	3.70	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387914 - 692-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119781 Date Analyzed: 2015-03-04 Analyzed By: MC
 Prep Batch: 101322 Sample Preparation: 2015-03-04 Prepared By: MC

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,5	1440	1440	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387914 - 692-05

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Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 119899 Date Analyzed: 2015-03-10 Analyzed By: CF
Prep Batch: 101427 Sample Preparation: 2015-03-10 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,6,7	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387915 - 692-06

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR
Prep Batch: 101318 Sample Preparation: 2015-03-03 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,5	444	444	<0.0680	mg/L	10	0.0680	2.5	0.0068

Sample: 387915 - 692-06

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR
Prep Batch: 101318 Sample Preparation: 2015-03-03 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5	1,4,5	3.40	3.40	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387915 - 692-06

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 119781 Date Analyzed: 2015-03-04 Analyzed By: MC
Prep Batch: 101322 Sample Preparation: 2015-03-04 Prepared By: MC

continued . . .

sample 387915 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	1440	1440	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387915 - 692-06

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119899 Date Analyzed: 2015-03-10 Analyzed By: CF
 Prep Batch: 101427 Sample Preparation: 2015-03-10 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387916 - 692-09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR
 Prep Batch: 101318 Sample Preparation: 2015-03-03 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	428	428	<0.0680	mg/L	10	0.0680	2.5	0.0068

Sample: 387916 - 692-09

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR
 Prep Batch: 101318 Sample Preparation: 2015-03-03 Prepared By: JR

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Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	B,J,MI5	1,4,5	2.35	<2.50	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387916 - 692-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119781 Date Analyzed: 2015-03-04 Analyzed By: MC
 Prep Batch: 101322 Sample Preparation: 2015-03-04 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	1300	1300	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387916 - 692-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119899 Date Analyzed: 2015-03-10 Analyzed By: CF
 Prep Batch: 101427 Sample Preparation: 2015-03-10 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119777
Prep Batch: 101318

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,5	<0.00680	mg/L	0.0068

Method Blank (1)

QC Batch: 119777
Prep Batch: 101318

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,MI5	1,4,5	0.149	mg/L	0.0251

Method Blank (1)

QC Batch: 119781
Prep Batch: 101322

Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04

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: 119899
Prep Batch: 101427

Date Analyzed: 2015-03-10
QC Preparation: 2015-03-10

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	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 387913

QC Batch: 119781
Prep Batch: 101322

Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,5	3660	3640	mg/L	1	0	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119777
Prep Batch: 101318

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	24.6	mg/L	1	25.0	<0.00680	98	90 - 110

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,5	24.6	mg/L	1	25.0	<0.00680	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: 119777
Prep Batch: 101318

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.92	mg/L	1	5.00	<0.0251	98	90 - 110

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	4.92	mg/L	1	5.00	<0.0251	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: 119781
Prep Batch: 101322

Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,5	997	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. 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: 119899
Prep Batch: 101427

Date Analyzed: 2015-03-10
QC Preparation: 2015-03-10

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	<1.80	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	44.8	mg/L	1	50.0	<1.80	90	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: 387914

QC Batch: 119777
Prep Batch: 101318

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: JR
Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,5	1830	mg/L	55.6	1390	430	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		1,4,5	1840	mg/L	55.6	1390	430	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: 387914

QC Batch: 119777
Prep Batch: 101318

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

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	276	mg/L	55.6	278	3.7	98	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	277	mg/L	55.6	278	3.7	98	80 - 120	0	20

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

Matrix Spike (MS-1) Spiked Sample: 388071

QC Batch: 119899
Prep Batch: 101427

Date Analyzed: 2015-03-10
QC Preparation: 2015-03-10

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	42.7	mg/L	1	50.0	<1.80	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	43.4	mg/L	1	50.0	<1.80	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: 119777

Date Analyzed: 2015-03-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.2	97	90 - 110	2015-03-03

Standard (CCV-1)

QC Batch: 119777

Date Analyzed: 2015-03-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	4.92	98	90 - 110	2015-03-03

Standard (CCV-2)

QC Batch: 119777

Date Analyzed: 2015-03-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.7	99	90 - 110	2015-03-03

Standard (CCV-2)

QC Batch: 119777

Date Analyzed: 2015-03-03

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	5.00	100	90 - 110	2015-03-03

Standard (CCV-3)

QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,5	mg/L	25.0	24.9	100	90 - 110	2015-03-03

Standard (CCV-3)

QC Batch: 119777 Date Analyzed: 2015-03-03 Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	5.04	101	90 - 110	2015-03-03

Standard (ICV-1)

QC Batch: 119899 Date Analyzed: 2015-03-10 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	2015-03-10

Standard (CCV-1)

QC Batch: 119899 Date Analyzed: 2015-03-10 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	2015-03-10

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.750	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.125	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-14-10	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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LAB Order ID # 15030324

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Contact Person: Victor Ayala
E-mail: vajala@dhpump.com

Phone #: 915-859-8150
Cell #:
Fax #:
E-mail:
Project Name: Jerry Settles 575-882-4331
Del Oro Dairy
Sampler Signature: *July*

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
38913-1	692-02	1	250	X				X		X			3-3-15	8:57
-2	692-02	1	250	X				X		X			3-3-15	8:57
914-1	692-05	250	250	X				X		X			12:21	12:21
-2	692-05	250	250	X				X		X			11:45	11:45
915-1	692-06	250	250	X				X		X			13:11	13:11
-2	692-06	250	250	X				X		X			13:11	13:11
916-1	692-09	250	250	X				X		X			13:11	13:11
-2	692-09	250	250	X				X		X			13:11	13:11

Relinquished By: *July* Date: 3-3-15 Time: 14:05
 Received By: *MLL TRAP* Date: 3-3-15 Time: 14:05
 Relinquished By: *YMLC TRAP* Date: 3-3-15 Time: 16:30
 Received By: *DELTA* Date: 3-4-15 Time: 9:40
 Log-in Review: *15 491 7790 3-3-15*

Lab Use Only
 Intact (Y/N) Y N
 Headspace Y/N Y N
 Temp *22.2/3*
 Log-in Review *MLL TRAP*

Remarks: *on file*

Signature: *Covey Jr*

Dry Weight Basis Required
 TRRP Report Required

ANALYSIS REQUEST

Method	Result
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
Turn Around Time	
Hold	



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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: March 13, 2015

P.O. Box 10
 Mesquite, NM, 88048

Work Order: 15030438



Project Location: Various Dairies, Dona Ana County, NM
 Project Name: Dona Ana Dairies Consortium
 Project #: DAD

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
388067	DAD-09	water	2015-03-04	06:57	2015-03-04
388068	DAD-10	water	2015-03-04	08:26	2015-03-04
388069	DAD-20	water	2015-03-04	07:40	2015-03-04
388070	DAD-21	water	2015-03-04	06:36	2015-03-04
388071	DAD-05	water	2015-03-04	11:32	2015-03-04
388072	DAD-04	water	2015-03-04	10:26	2015-03-04
388073	DAD-03	water	2015-03-04	10:49	2015-03-04
388074	DAD-02	water	2015-03-04	09:20	2015-03-04
388075	DAD-01	water	2015-03-04	08:58	2015-03-04

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

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.

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 2015-03-04 and assigned to work order 15030438. Samples for work order 15030438 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	101357	2015-03-04 at 16:33	119814	2015-03-04 at 16:33
NO3 (IC)	E 300.0	101357	2015-03-04 at 16:33	119814	2015-03-04 at 16:33
TDS	SM 2540C	101322	2015-03-04 at 13:45	119781	2015-03-04 at 13:45
TDS	SM 2540C	101399	2015-03-09 at 12:10	119867	2015-03-09 at 12:10
TKN	SM 4500-NH3 B,C	101427	2015-03-10 at 09:30	119899	2015-03-10 at 14:00
TKN	SM 4500-NH3 B,C	101506	2015-03-13 at 10:00	119985	2015-03-13 at 13:45

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15030438 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. 119814 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 388067 - DAD-09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	1,4,6	474	474	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 388067 - DAD-09

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5	1,4,6	4.01	4.01	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388067 - DAD-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119781 Date Analyzed: 2015-03-04 Analyzed By: MC
 Prep Batch: 101322 Sample Preparation: 2015-03-04 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	1800	1800	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388067 - DAD-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119899 Date Analyzed: 2015-03-10 Analyzed By: CF
 Prep Batch: 101427 Sample Preparation: 2015-03-10 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388068 - DAD-10

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	1,4,6	453	453	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 388068 - DAD-10

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5	1,4,6	13.9	13.9	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388068 - DAD-10

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119781 Date Analyzed: 2015-03-04 Analyzed By: MC
 Prep Batch: 101322 Sample Preparation: 2015-03-04 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	1720	1720	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388068 - DAD-10

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119899 Date Analyzed: 2015-03-10 Analyzed By: CF
 Prep Batch: 101427 Sample Preparation: 2015-03-10 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388069 - DAD-20

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

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

Sample: 388069 - DAD-20

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5	1,4,6	20.4	20.4	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388069 - DAD-20

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119781 Date Analyzed: 2015-03-04 Analyzed By: MC
 Prep Batch: 101322 Sample Preparation: 2015-03-04 Prepared By: MC

continued . . .

sample 388069 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	2340	2340	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388069 - DAD-20

Laboratory: Lubbock

Analysis: TKN

QC Batch: 119899

Prep Batch: 101427

Analytical Method: SM 4500-NH3 B,C

Date Analyzed: 2015-03-10

Sample Preparation: 2015-03-10

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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388070 - DAD-21

Laboratory: El Paso

Analysis: Chloride (IC)

QC Batch: 119814

Prep Batch: 101357

Analytical Method: E 300.0

Date Analyzed: 2015-03-04

Sample Preparation: 2015-03-04

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	B	1,4,6	487	487	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388070 - DAD-21

Laboratory: El Paso

Analysis: NO3 (IC)

QC Batch: 119814

Prep Batch: 101357

Analytical Method: E 300.0

Date Analyzed: 2015-03-04

Sample Preparation: 2015-03-04

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,MI5	1,4,6	5.95	5.95	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388070 - DAD-21

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119781 Date Analyzed: 2015-03-04 Analyzed By: MC
 Prep Batch: 101322 Sample Preparation: 2015-03-04 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	1850	1850	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388070 - DAD-21

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119899 Date Analyzed: 2015-03-10 Analyzed By: CF
 Prep Batch: 101427 Sample Preparation: 2015-03-10 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388071 - DAD-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride	B	1,4,6	564	564	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388071 - DAD-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5	1,4,6	10.5	10.5	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388071 - DAD-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119867 Date Analyzed: 2015-03-09 Analyzed By: MC
 Prep Batch: 101399 Sample Preparation: 2015-03-09 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	2400	2400	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388071 - DAD-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119899 Date Analyzed: 2015-03-10 Analyzed By: CF
 Prep Batch: 101427 Sample Preparation: 2015-03-10 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388072 - DAD-04

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

continued ...

sample 388072 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride	B	1,4,6	195	195	<0.492	mg/L	5	0.492	2.5	0.0984

Sample: 388072 - DAD-04

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N	B,J,Je,MI5	1,4,6	0.819	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388072 - DAD-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119867 Date Analyzed: 2015-03-09 Analyzed By: MC
 Prep Batch: 101399 Sample Preparation: 2015-03-09 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	1280	1280	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388072 - DAD-04

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119985 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101506 Sample Preparation: 2015-03-13 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388073 - DAD-03

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	1,4,6	609	609	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388073 - DAD-03

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5,U	1,4,6	<0.0470	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388073 - DAD-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119867 Date Analyzed: 2015-03-09 Analyzed By: MC
 Prep Batch: 101399 Sample Preparation: 2015-03-09 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	2630	2630	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388073 - DAD-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119985 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101506 Sample Preparation: 2015-03-13 Prepared By: CF

continued . . .

sample 388073 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388074 - DAD-02

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride	B	1,4,6	440	440	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388074 - DAD-02

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 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,MI5	1,4,6	9.15	9.15	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388074 - DAD-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119867 Date Analyzed: 2015-03-09 Analyzed By: MC
 Prep Batch: 101399 Sample Preparation: 2015-03-09 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	1560	1560	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388074 - DAD-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119985 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101506 Sample Preparation: 2015-03-13 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	U	2,3,7,9	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388075 - DAD-01

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	1,4,6	459	459	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388075 - DAD-01

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 Sample Preparation: 2015-03-04 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5	1,4,6	4.70	4.70	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388075 - DAD-01

Laboratory: El Paso	Analytical Method: SM 2540C	Prep Method: N/A
Analysis: TDS	Date Analyzed: 2015-03-09	Analyzed By: MC
QC Batch: 119867	Sample Preparation: 2015-03-09	Prepared By: MC
Prep Batch: 101399		

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank			(Unadjusted)	(Unadjusted)	
Total Dissolved Solids		1,4,6	1910	1910	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388075 - DAD-01

Laboratory: Lubbock	Analytical Method: SM 4500-NH3 B,C	Prep Method: N/A
Analysis: TKN	Date Analyzed: 2015-03-13	Analyzed By: CF
QC Batch: 119985	Sample Preparation: 2015-03-13	Prepared By: CF
Prep Batch: 101506		

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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119781
Prep Batch: 101322Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04Analyzed 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: 119814
Prep Batch: 101357Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride	B	1,4,6	1.34	mg/L	0.0984

Method Blank (1)

QC Batch: 119814
Prep Batch: 101357Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,MI5	1,4,6	0.151	mg/L	0.0094

Method Blank (1)

QC Batch: 119867
Prep Batch: 101399Date Analyzed: 2015-03-09
QC Preparation: 2015-03-09Analyzed 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: 119899
 Prep Batch: 101427

Date Analyzed: 2015-03-10
 QC Preparation: 2015-03-10

Analyzed By: CF
 Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,9	<1.80	mg/L	1.8

Method Blank (1)

QC Batch: 119985
 Prep Batch: 101506

Date Analyzed: 2015-03-13
 QC Preparation: 2015-03-13

Analyzed By: CF
 Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,9	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 387913QC Batch: 119781
Prep Batch: 101322Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3660	3640	mg/L	1	0	10

Duplicate (1) Duplicated Sample: 388071QC Batch: 119867
Prep Batch: 101399Date Analyzed: 2015-03-09
QC Preparation: 2015-03-09Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2300	2400	mg/L	1	4	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119781
Prep Batch: 101322Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04Analyzed 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	997	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. 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: 119814
Prep Batch: 101357Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	24.4	mg/L	1	25.0	<0.0984	98	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	24.4	mg/L	1	25.0	<0.0984	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: 119814
Prep Batch: 101357Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	4.88	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		1,4,6	4.88	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: 119867
Prep Batch: 101399

Date Analyzed: 2015-03-09
QC Preparation: 2015-03-09

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Dissolved Solids		1,4,6	999	mg/L	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	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: 119899
Prep Batch: 101427

Date Analyzed: 2015-03-10
QC Preparation: 2015-03-10

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	43.4	mg/L	1	50.0	<1.80	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,7,9	44.8	mg/L	1	50.0	<1.80	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: 119985
Prep Batch: 101506

Date Analyzed: 2015-03-13
QC Preparation: 2015-03-13

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	44.8	mg/L	1	50.0	<1.80	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. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,9	42.7	mg/L	1	50.0	<1.80	85	82.3 - 115	5	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: 388067

QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 QC Preparation: 2015-03-04 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	1920	mg/L	55.6	1390	474	104	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		1,4,6	1880	mg/L	55.6	1390	474	101	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: 388067

QC Batch: 119814 Date Analyzed: 2015-03-04 Analyzed By: JR
 Prep Batch: 101357 QC Preparation: 2015-03-04 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	284	mg/L	55.6	278	4.01	101	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	276	mg/L	55.6	278	4.01	98	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: 388071

QC Batch: 119899 Date Analyzed: 2015-03-10 Analyzed By: CF
 Prep Batch: 101427 QC Preparation: 2015-03-10 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	42.7	mg/L	1	50.0	<1.80	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	43.4	mg/L	1	50.0	<1.80	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: 388179

QC Batch: 119985
 Prep Batch: 101506

Date Analyzed: 2015-03-13
 QC Preparation: 2015-03-13

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	42.7	mg/L	1	50.0	<1.80	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	44.8	mg/L	1	50.0	<1.80	90	76.4 - 120	5	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: 119814

Date Analyzed: 2015-03-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.2	97	90 - 110	2015-03-04

Standard (CCV-1)

QC Batch: 119814

Date Analyzed: 2015-03-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.92	98	90 - 110	2015-03-04

Standard (CCV-2)

QC Batch: 119814

Date Analyzed: 2015-03-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.8	99	90 - 110	2015-03-04

Standard (CCV-2)

QC Batch: 119814

Date Analyzed: 2015-03-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	5.02	100	90 - 110	2015-03-04

Standard (CCV-3)

QC Batch: 119814

Date Analyzed: 2015-03-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.0	100	90 - 110	2015-03-04

Standard (CCV-3)

QC Batch: 119814

Date Analyzed: 2015-03-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	5.07	101	90 - 110	2015-03-04

Standard (CCV-4)

QC Batch: 119814

Date Analyzed: 2015-03-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	25.3	101	90 - 110	2015-03-04

Standard (CCV-4)

QC Batch: 119814

Date Analyzed: 2015-03-04

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	5.12	102	90 - 110	2015-03-04

Standard (ICV-1)

QC Batch: 119899

Date Analyzed: 2015-03-10

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	2015-03-10

Standard (CCV-1)

QC Batch: 119899

Date Analyzed: 2015-03-10

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	2015-03-10

Standard (ICV-1)

QC Batch: 119985

Date Analyzed: 2015-03-13

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	4.34	87	85 - 115	2015-03-13

Standard (CCV-1)

QC Batch: 119985

Date Analyzed: 2015-03-13

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	4.62	92	85 - 115	2015-03-13

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.750	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.125	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	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.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 15030438

Company Name: **TraceAnalysis, Inc.**
 Lubbock, TX 79424
 Tel (806) 794-1296
 Fax (806) 794-1298

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

Project Name: **Dona Ana Dairies Consortium**
 Project #: **NA**
 Project Location (including state): **Various Dairies, Dona Ana County, NM**
 Sampler Signature: *[Signature]*

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
388067	DAD-09	1	250	X				X					3-4-15	6:57
↓ 2	DAD-09	1	250	X				X						6:57
68	DAD-10	1	250	X				X						8:26
↓ 2	DAD-10	1	250	X				X						8:26
69-1	DAD-20	1	250	X				X						7:40
↓ 2	DAD-20	1	250	X				X						7:40
70-1	DAD-21	1	250	X				X						6:36
↓ 2	DAD-21	1	250	X				X						6:36
71-1	DAD-05	1	250	X				X						11:32
↓ 2	DAD-05	1	250	X				X						11:32
72-1	DAD-04	1	250	X				X						10:26
↓ 2	DAD-04	1	250	X				X						10:26
73-1	DAD-03	1	250	X				X						10:49
↓ 2	DAD-03	1	250	X				X						10:49
74-1	DAD-02	1	250	X				X						9:20
↓ 2	DAD-02	1	250	X				X						9:20

Relinquished By: *[Signature]* Date: 3-4-15 Time: 12:10
 Received By: *[Signature]* Date: 3-4-15 Time: 12:10
 Relinquished By: *[Signature]* Date: 3-4-15 Time: 16:30
 Received at Laboratory By: *[Signature]* Date: 3-4-15 Time: 12:00

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

Remarks: LS 49 / 70902
 Lab Use Only: Intact Y N
 Headspace Y N
 Temp 21.2 °C
 Log-in Review NA
 Dry Weight Basis Required
 TRRP Report Required

5070 Robinson, Ste. 3
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 TX 79907
Contact Person:
Victor Ayala

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

ANALYSIS REQUEST

LAB #	Field Code	# Containers	Volume/Amount	MATRIX	PRESERVATIVE METHOD	DATE	SAMPLING TIME
388075	DAD-01	1	250	X	X HCl	3-4-15	8:58
↓	DAD-01	1	250	X	X H2SO4	3-4-15	8:58
	DAD-02	1		X	X NaOH		
	DAD-02	1		X	X H2SO4		
	DAD-03	1		X	X NaOH		
	DAD-03	1		X	X H2SO4		
	DAD-04	1		X	X NaOH		
	DAD-04	1		X	X H2SO4		
	DAD-05	1		X	X NaOH		
	DAD-05	1		X	X H2SO4		
	DAD-06	1		X	X NaOH		
	DAD-06	1		X	X H2SO4		
	DAD-07	1		X	X NaOH		
	DAD-07	1		X	X H2SO4		
	DAD-08	1		X	X NaOH		
	DAD-08	1		X	X H2SO4		

Project Name: Linda Armstrong 575-233-3620
Project #: NA
Project Location (including state): Various Dairies, Dona Ana County, NM
Sampler Signature: *gur*

LAB USE ONLY	MTBE 8021B/602	BTEX 8021B/602	FPH 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		
								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: *gur*
Date: 3-4-15
Time: 12:10

Received By: *Victor Ayala*
Date: 3-4-15
Time: 12:10

Relinquished By: *Victor Ayala*
Date: 3-4-15
Time: 16:30

Received By: *Victor Ayala*
Date: 3-4-15
Time: 12:00

Relinquished By: *Victor Ayala*
Date: 3-4-15
Time: 16:30

Received By: *Victor Ayala*
Date: 3-4-15
Time: 12:00

Lab Use Only
Intact: *Y* / *N*
Headspace: *Y* / *N*
Temp: 2/2 JKL
Log-in Review: *DDA*
Carry On

Remarks:
LS 49170902
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
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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: March 12, 2015

Work Order: 15022627



Project Location: 17800 S. Stern Dr., Mesquite, NM
Project Name: Big Sky Dairy
Project Number: 461601

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
387673	833-05	Water	2015-02-26	10:00	2015-02-26
387674	833-08	Water	2015-02-26	09:00	2015-02-26
387675	833-Lagoon	Water	2015-02-26	09:33	2015-02-26

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.

This report consists of a total of 23 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

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

Blair Leftwich

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

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Case Narrative

Samples for project Big Sky Dairy were received by TraceAnalysis, Inc. on 2015-02-26 and assigned to work order 15022627. Samples for work order 15022627 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	101224	2015-02-27 at 17:24	119682	2015-02-27 at 17:24
NO3 (IC)	E 300.0	101224	2015-02-27 at 17:24	119682	2015-02-27 at 17:24
P, Total	S 6010C	101211	2015-03-01 at 20:19	119922	2015-03-11 at 13:25
TDS	SM 2540C	101245	2015-02-27 at 13:30	119704	2015-02-27 at 13:30
TDS	SM 2540C	101253	2015-03-02 at 14:45	119707	2015-03-02 at 14:45
TKN	SM 4500-NH3 B,C	101286	2015-03-03 at 12:00	119742	2015-03-03 at 15:00
TKN	SM 4500-NH3 B,C	101314	2015-03-04 at 10:30	119774	2015-03-04 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 15022627 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
I. 119682 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 387673 - 833-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119682 Date Analyzed: 2015-02-27 Analyzed By: JR
 Prep Batch: 101224 Sample Preparation: 2015-02-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	1050	1050	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387673 - 833-05

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119682 Date Analyzed: 2015-02-27 Analyzed By: JR
 Prep Batch: 101224 Sample Preparation: 2015-02-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	MI5	1,4,6	18.7	18.7	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387673 - 833-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119707 Date Analyzed: 2015-03-02 Analyzed By: MC
 Prep Batch: 101253 Sample Preparation: 2015-03-02 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2970	2970	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387673 - 833-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119742 Date Analyzed: 2015-03-03 Analyzed By: CF
 Prep Batch: 101286 Sample Preparation: 2015-03-03 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	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387674 - 833-08

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119682 Date Analyzed: 2015-02-27 Analyzed By: JR
 Prep Batch: 101224 Sample Preparation: 2015-02-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	981	981	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387674 - 833-08

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119682 Date Analyzed: 2015-02-27 Analyzed By: JR
 Prep Batch: 101224 Sample Preparation: 2015-02-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	MI5	1,4,6	65.1	65.1	<0.251	mg/L	10	0.251	0.5	0.0251

Sample: 387674 - 833-08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119704 Date Analyzed: 2015-02-27 Analyzed By: MC
 Prep Batch: 101245 Sample Preparation: 2015-02-27 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	3340	3340	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387674 - 833-08

Report Date: March 12, 2015
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Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 119774 Date Analyzed: 2015-03-04 Analyzed By: CF
Prep Batch: 101314 Sample Preparation: 2015-03-04 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 387675 - 833-Lagoon

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119682 Date Analyzed: 2015-02-27 Analyzed By: JR
Prep Batch: 101224 Sample Preparation: 2015-02-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	684	684	<0.340	mg/L	50	0.340	2.5	0.0068

Sample: 387675 - 833-Lagoon

Laboratory: El Paso
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119682 Date Analyzed: 2015-02-27 Analyzed By: JR
Prep Batch: 101224 Sample Preparation: 2015-02-27 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	M15,U	1,4,6	<0.126	<2.50	<0.126	mg/L	5	0.126	0.5	0.0251

Sample: 387675 - 833-Lagoon

Laboratory: Lubbock
Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
QC Batch: 119922 Date Analyzed: 2015-03-11 Analyzed By: LM
Prep Batch: 101211 Sample Preparation: 2015-03-02 Prepared By: LM

continued . . .

sample 387675 continued ...

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Phosphorous		2,3,5,7,8	73.5	73.5	<0.459	mg/L	100	0.459	0.5	0.00459

Sample: 387675 - 833-Lagoon

Laboratory:	El Paso	Analytical Method:	SM 2540C	Prep Method:	N/A
Analysis:	TDS	Date Analyzed:	2015-02-27	Analyzed By:	MC
QC Batch:	119704	Sample Preparation:	2015-02-27	Prepared By:	MC
Prep Batch:	101245				

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	6500	6500	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 387675 - 833-Lagoon

Laboratory:	Lubbock	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
Analysis:	TKN	Date Analyzed:	2015-03-04	Analyzed By:	CF
QC Batch:	119774	Sample Preparation:	2015-03-04	Prepared By:	CF
Prep Batch:	101314				

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	263	263	<3.60	mg/L	2	3.60	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119682
Prep Batch: 101224

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Chloride		1,4,6	<0.00680	mg/L	0.0068

Method Blank (1)

QC Batch: 119682
Prep Batch: 101224

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	MI5	1,4,6	0.150	mg/L	0.0251

Method Blank (1)

QC Batch: 119704
Prep Batch: 101245

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

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: 119707
Prep Batch: 101253

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

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: 119742
Prep Batch: 101286

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Method Blank (1)

QC Batch: 119774
Prep Batch: 101314

Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Method Blank (1)

QC Batch: 119922
Prep Batch: 101211

Date Analyzed: 2015-03-11
QC Preparation: 2015-03-01

Analyzed By: LM
Prepared By: PM

Parameter	F	C	Result	Units	Reporting Limits
Total Phosphorous		2,3,5,7,8	<0.00459	mg/L	0.00459

Duplicates

Duplicate (1) Duplicated Sample: 387674

QC Batch: 119704 Date Analyzed: 2015-02-27 Analyzed By: MC
Prep Batch: 101245 QC Preparation: 2015-02-27 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		_{1,4,6}	3370	3340	mg/L	1	1	10

Duplicate (1) Duplicated Sample: 387673

QC Batch: 119707 Date Analyzed: 2015-03-02 Analyzed By: MC
Prep Batch: 101253 QC Preparation: 2015-03-02 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		_{1,4,6}	3000	2970	mg/L	1	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119682
Prep Batch: 101224

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	23.6	mg/L	1	25.0	<0.00680	94	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	23.6	mg/L	1	25.0	<0.00680	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: 119682
Prep Batch: 101224

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	4.70	mg/L	1	5.00	<0.0251	94	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	4.71	mg/L	1	5.00	<0.0251	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: 119704
Prep Batch: 101245

Date Analyzed: 2015-02-27
QC Preparation: 2015-02-27

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	990	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.

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Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	997	mg/L	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: 119707
Prep Batch: 101253

Date Analyzed: 2015-03-02
QC Preparation: 2015-03-02

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	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	LCS Result	Units	Dil.	Spike Amount	Matrix Result	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: 119742
Prep Batch: 101286

Date Analyzed: 2015-03-03
QC Preparation: 2015-03-03

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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. Limit	Rec.	RPD	RPD Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.80	90	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: 119774
Prep Batch: 101314

Date Analyzed: 2015-03-04
QC Preparation: 2015-03-04

Analyzed By: CF
Prepared By: CF

Report Date: March 12, 2015
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Param	F	C	LCS 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	<1.80	85	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		2,3,7,8	43.4	mg/L	1	50.0	<1.80	87	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: 119922
Prep Batch: 101211

Date Analyzed: 2015-03-11
QC Preparation: 2015-03-01

Analyzed By: LM
Prepared By: PM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		2,3,5,7,8	0.467	mg/L	1	0.500	<0.00459	93	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		2,3,5,7,8	0.486	mg/L	1	0.500	<0.00459	97	85 - 115	4	20

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

Matrix Spikes

Matrix Spike (MS-1) Spiked Sample: 387673

QC Batch: 119742 Date Analyzed: 2015-03-03 Analyzed By: CF
Prep Batch: 101286 QC Preparation: 2015-03-03 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	43.4	mg/L	1	50.0	<1.80	87	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. Limit	RPD	RPD Limit	
Total Kjeldahl Nitrogen - N		2,3,7,8	43.4	mg/L	1	50.0	<1.80	87	76.4 - 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: 387855

QC Batch: 119774 Date Analyzed: 2015-03-04 Analyzed By: CF
Prep Batch: 101314 QC Preparation: 2015-03-04 Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.80	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. Limit	RPD	RPD Limit	
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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: 387654

QC Batch: 119922 Date Analyzed: 2015-03-11 Analyzed By: LM
Prep Batch: 101211 QC Preparation: 2015-03-01 Prepared By: PM

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		2,3,5,7,8	0.495	mg/L	1	0.500	<0.00459	99	75 - 125

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

Report Date: March 12, 2015
461601

Work Order: 15022627
Big Sky Dairy

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Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Phosphorous		2,3,5,7,8	0.498	mg/L	1	0.500	<0.00459	100	75 - 125	1	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: 119682

Date Analyzed: 2015-02-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.1	96	90 - 110	2015-02-27

Standard (CCV-2)

QC Batch: 119682

Date Analyzed: 2015-02-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.88	98	90 - 110	2015-02-27

Standard (CCV-3)

QC Batch: 119682

Date Analyzed: 2015-02-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.4	98	90 - 110	2015-02-27

Standard (CCV-3)

QC Batch: 119682

Date Analyzed: 2015-02-27

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,6	mg/L	5.00	4.96	99	90 - 110	2015-02-27

Report Date: March 12, 2015
461601

Work Order: 15022627
Big Sky Dairy

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17800 S. Stern Dr., Mesquite, NM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		2,3,5,7,8	mg/L	5.00	5.01	100	90 - 110	2015-03-11

Standard (CCV-1)

QC Batch: 119922

Date Analyzed: 2015-03-11

Analyzed By: LM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		2,3,5,7,8	mg/L	5.00	5.16	103	90 - 110	2015-03-11

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.750	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.125	Pass
P, Total	S 6010C	water	PE 8300	Total Phosphorous	0.100	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	Lubbock
8		2014-018	Lubbock

Standard Flags

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

F Description

U The analyte is not detected above the SDL

Attachments

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

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Lubbock, TX 79424
Tel (806) 794-1296
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TraceAnalysis, Inc.

155 McCutcheon, Ste. H El
Paso, TX 79832
Tel (915) 585-3443
Fax (915) 585-4944

Page 1 of 1
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 15022627

Company Name:

Phone #: 915-859-8150

D&H Petroleum & Environmental Services

Cell #:
Fax #:
E-mail: vavala@dhpump.com

Address: (Street, City, Zip)

1221 Tower Trail Ln., El Paso, Texas 79907

Contact Person:

Victor Ayala

Invoice to (if different from above):

George Segura 575-233-3620

Project #:

Big Sky Dairy

Project Name:

Big Sky Dairy

Sampler Signature:

Jay

Project Location (including state):

Big Sky Dairy, 17800 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
887673-1	833-05	1		X				X	X	X	X	2-26-15	10:00
-2	833-05	1		X				X	X	X	X		10:00
674-1	833-8	1		X				X	X	X	X		9:30
-2	833-8	1		X				X	X	X	X		9:30
675-1	833 Lagoon	1	2.50	X				X	X	X	X		9:33
-2	833 Lagoon	1	5.00	X				X	X	X	X		9:33
-3	833 Lagoon	1	2.50	X				X	X	X	X		9:33

LAB USE ONLY	PAH 8270 (Low Level Analysis)	PAH 8270C	TX 1005 Extended (C35)	TPH 418.1 / TX1005	BTEX 8021B/602	MTBE 8021B/602	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	Nitrates EPA 300	Total Kjeldahl Nitrogen SM 4500 NORG C	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Phosphorus SM 4500	Turn Around Time	Hold

Relinquished By: *Jay* Date: 2-26-15 Time: 14:10
 Received By: *D7 AHL TA* Date: 2-26-15 Time: 14:10
 Relinquished By: *D7 AHL TA* Date: 2-26-15 Time: 14:30
 Received at Laboratory By: *D7 AHL TA* Date: 2-26-15 Time: 14:10
 Lab Use Only: Intact Y N
 Headspace Y N
 Temp *18-1* Y N
 Log-in Review Y N
 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: March 13, 2015

P.O. Box 10
 Mesquite, NM, 88048

Work Order: 15030525



Project Name: Dona Ana Dairies

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
388174	DAD - 07	Water	2015-03-05	09:08	2015-03-05
388175	DAD - 08	Water	2015-03-05	09:37	2015-03-05
388176	DAD - 11	Water	2015-03-05	12:36	2015-03-05
388177	DAD - 14	Water	2015-03-05	13:15	2015-03-05
388178	DAD - 16	Water	2015-03-05	11:48	2015-03-05
388179	DAD - 17	Water	2015-03-05	10:23	2015-03-05
388180	DAD - 18	Water	2015-03-05	10:57	2015-03-05

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.

This report consists of a total of 28 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

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

Blair Leftwich

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

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Case Narrative

Samples for project Dona Ana Dairies were received by TraceAnalysis, Inc. on 2015-03-05 and assigned to work order 15030525. Samples for work order 15030525 were received intact at a temperature of 1.0 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	101371	2015-03-05 at 18:44	119835	2015-03-05 at 18:44
NO3 (IC)	E 300.0	101371	2015-03-05 at 18:44	119835	2015-03-05 at 18:44
TDS	SM 2540C	101399	2015-03-09 at 12:10	119867	2015-03-09 at 12:10
TDS	SM 2540C	101437	2015-03-10 at 14:45	119904	2015-03-10 at 14:45
TKN	SM 4500-NH3 B,C	101506	2015-03-13 at 10:00	119985	2015-03-13 at 13:45
TKN	SM 4500-NH3 B,C	101508	2015-03-13 at 10:00	119988	2015-03-13 at 13:45

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15030525 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. 119835 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 388174 - DAD - 07

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 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	554	554	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388174 - DAD - 07

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 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,MI5	1,4,6	5.34	5.34	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388174 - DAD - 07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119867 Date Analyzed: 2015-03-09 Analyzed By: MC
 Prep Batch: 101399 Sample Preparation: 2015-03-09 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	2060	2060	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388174 - DAD - 07

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119985 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101506 Sample Preparation: 2015-03-13 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	2,3,7,9	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388175 - DAD - 08

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 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	1670	1670	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388175 - DAD - 08

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 Prepared By: JR

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5	1,4,6	48.6	48.6	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388175 - DAD - 08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119867 Date Analyzed: 2015-03-09 Analyzed By: MC
 Prep Batch: 101399 Sample Preparation: 2015-03-09 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	5740	5740	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388175 - DAD - 08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119985 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101506 Sample Preparation: 2015-03-13 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388176 - DAD - 11

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	1220	1220	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388176 - DAD - 11

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5	1,4,6	19.7	19.7	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388176 - DAD - 11

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119867 Date Analyzed: 2015-03-09 Analyzed By: MC
 Prep Batch: 101399 Sample Preparation: 2015-03-09 Prepared By: MC

continued . . .

sample 388176 continued ...

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	3960	3960	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388176 - DAD - 11

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119985 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101506 Sample Preparation: 2015-03-13 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	U	2,3,7,9	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388177 - DAD - 14

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 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	949	949	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388177 - DAD - 14

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 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,MI5	1,4,6	30.2	30.2	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388177 - DAD - 14

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119867 Date Analyzed: 2015-03-09 Analyzed By: MC
 Prep Batch: 101399 Sample Preparation: 2015-03-09 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	3280	3280	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388177 - DAD - 14

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119985 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101506 Sample Preparation: 2015-03-13 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388178 - DAD - 16

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 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	683	683	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388178 - DAD - 16

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 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	1,4,6	1.04	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388178 - DAD - 16

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119867 Date Analyzed: 2015-03-09 Analyzed By: MC
 Prep Batch: 101399 Sample Preparation: 2015-03-09 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	2650	2650	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388178 - DAD - 16

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119985 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101506 Sample Preparation: 2015-03-13 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	U	2,3,7,9	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388179 - DAD - 17

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 Prepared By: JR

continued ...

sample 388179 continued ...

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1,4,6	348	348	<0.984	mg/L	10	0.984	2.5	0.0984

Sample: 388179 - DAD - 17

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 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	0.797	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388179 - DAD - 17

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119904 Date Analyzed: 2015-03-10 Analyzed By: MC
 Prep Batch: 101437 Sample Preparation: 2015-03-10 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	1660	1660	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388179 - DAD - 17

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119985 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101506 Sample Preparation: 2015-03-13 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388180 - DAD - 18

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 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	736	736	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388180 - DAD - 18

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 Sample Preparation: 2015-03-05 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,MI5	1,4,6	10.0	10.0	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388180 - DAD - 18

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119904 Date Analyzed: 2015-03-10 Analyzed By: MC
 Prep Batch: 101437 Sample Preparation: 2015-03-10 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2930	2930	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388180 - DAD - 18

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119988 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101508 Sample Preparation: 2015-03-13 Prepared By: CF

continued ...

sample 388180 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119835
Prep Batch: 101371Date Analyzed: 2015-03-05
QC Preparation: 2015-03-05Analyzed 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: 119835
Prep Batch: 101371Date Analyzed: 2015-03-05
QC Preparation: 2015-03-05Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,MI5	1,4,6	0.151	mg/L	0.0094

Method Blank (1)

QC Batch: 119867
Prep Batch: 101399Date Analyzed: 2015-03-09
QC Preparation: 2015-03-09Analyzed 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: 119904
Prep Batch: 101437Date Analyzed: 2015-03-10
QC Preparation: 2015-03-10Analyzed By: MC
Prepared By: MC

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

Method Blank (1)QC Batch: 119985
Prep Batch: 101506Date Analyzed: 2015-03-13
QC Preparation: 2015-03-13Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,9	<1.80	mg/L	1.8

Method Blank (1)QC Batch: 119988
Prep Batch: 101508Date Analyzed: 2015-03-13
QC Preparation: 2015-03-13Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,9	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 388071QC Batch: 119867
Prep Batch: 101399Date Analyzed: 2015-03-09
QC Preparation: 2015-03-09Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2300	2400	mg/L	1	4	10

Duplicate (1) Duplicated Sample: 388179QC Batch: 119904
Prep Batch: 101437Date Analyzed: 2015-03-10
QC Preparation: 2015-03-10Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1700	1660	mg/L	1	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119835
Prep Batch: 101371Date Analyzed: 2015-03-05
QC Preparation: 2015-03-05Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	25.2	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	25.2	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: 119835
Prep Batch: 101371Date Analyzed: 2015-03-05
QC Preparation: 2015-03-05Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	5.04	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: 119867
Prep Batch: 101399Date Analyzed: 2015-03-09
QC Preparation: 2015-03-09Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	999	mg/L	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		1,4,6	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: 119904
Prep Batch: 101437

Date Analyzed: 2015-03-10
QC Preparation: 2015-03-10

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	968	mg/L	1	1000	<2.50	97	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	996	mg/L	1	1000	<2.50	100	90 - 110	3	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: 119985
Prep Batch: 101506

Date Analyzed: 2015-03-13
QC Preparation: 2015-03-13

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	44.8	mg/L	1	50.0	<1.80	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		2,3,7,9	42.7	mg/L	1	50.0	<1.80	85	82.3 - 115	5	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: 119988
Prep Batch: 101508

Date Analyzed: 2015-03-13
QC Preparation: 2015-03-13

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	44.1	mg/L	1	50.0	<1.80	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	<1.80	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: 388179

QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 QC Preparation: 2015-03-05 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	348	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	1780	mg/L	55.6	1390	348	103	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: 388179

QC Batch: 119835 Date Analyzed: 2015-03-05 Analyzed By: JR
 Prep Batch: 101371 QC Preparation: 2015-03-05 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	278	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	281	mg/L	55.6	278	<0.523	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: 388179

QC Batch: 119985 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101506 QC Preparation: 2015-03-13 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	42.7	mg/L	1	50.0	<1.80	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	44.8	mg/L	1	50.0	<1.80	90	76.4 - 120	5	20

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

Matrix Spike (MS-1) Spiked Sample: 388247

QC Batch: 119988
Prep Batch: 101508

Date Analyzed: 2015-03-13
QC Preparation: 2015-03-13

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	43.4	mg/L	1	50.0	<1.80	87	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	<1.80	87	76.4 - 120	0	20

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

Calibration Standards

Standard (CCV-1)

QC Batch: 119835

Date Analyzed: 2015-03-05

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	2015-03-05

Standard (CCV-1)

QC Batch: 119835

Date Analyzed: 2015-03-05

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	2015-03-05

Standard (CCV-2)

QC Batch: 119835

Date Analyzed: 2015-03-05

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		1,4,6	mg/L	25.0	24.9	100	90 - 110	2015-03-05

Standard (CCV-2)

QC Batch: 119835

Date Analyzed: 2015-03-05

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	5.04	101	90 - 110	2015-03-05

Standard (CCV-3)

QC Batch: 119835

Date Analyzed: 2015-03-05

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	2015-03-05

Standard (CCV-3)

QC Batch: 119835

Date Analyzed: 2015-03-05

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	5.08	102	90 - 110	2015-03-05

Standard (CCV-4)

QC Batch: 119835

Date Analyzed: 2015-03-05

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	2015-03-05

Standard (CCV-4)

QC Batch: 119835

Date Analyzed: 2015-03-05

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	5.11	102	90 - 110	2015-03-05

Standard (ICV-1)

QC Batch: 119985

Date Analyzed: 2015-03-13

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	4.34	87	85 - 115	2015-03-13

Standard (CCV-1)

QC Batch: 119985

Date Analyzed: 2015-03-13

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	4.62	92	85 - 115	2015-03-13

Standard (ICV-1)

QC Batch: 119988

Date Analyzed: 2015-03-13

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	4.34	87	85 - 115	2015-03-13

Standard (CCV-1)

QC Batch: 119988

Date Analyzed: 2015-03-13

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	2015-03-13

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.750	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.125	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	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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Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Linda Armstrong
 Dona Ana Dairies

Report Date: March 13, 2015

P.O. Box 10
 Mesquite, NM, 88048

Work Order: 15030616



Project Location: Various Dairies, Dona Ana County, NM
 Project Name: Dona Ana Dairies Consortium
 Project #: 461898

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
388244	DAD-12	water	2015-03-06	09:03	2015-03-06
388245	DAD-13	water	2015-03-06	08:34	2015-03-06
388246	DAD-15	water	2015-03-06	10:05	2015-03-06
388247	DAD-19	water	2015-03-06	07:58	2015-03-06

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.

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 Dona Ana Dairies Consortium were received by TraceAnalysis, Inc. on 2015-03-06 and assigned to work order 15030616. Samples for work order 15030616 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	101392	2015-03-06 at 17:18	119856	2015-03-06 at 17:18
NO3 (IC)	E 300.0	101392	2015-03-06 at 17:18	119856	2015-03-06 at 17:18
TDS	SM 2540C	101437	2015-03-10 at 14:45	119904	2015-03-10 at 14:45
TKN	SM 4500-NH3 B,C	101508	2015-03-13 at 10:00	119988	2015-03-13 at 13:45

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15030616 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: 388244 - DAD-12

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119856 Date Analyzed: 2015-03-06 Analyzed By: JR
 Prep Batch: 101392 Sample Preparation: 2015-03-06 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	625	625	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388244 - DAD-12

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119856 Date Analyzed: 2015-03-06 Analyzed By: JR
 Prep Batch: 101392 Sample Preparation: 2015-03-06 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	19.0	19.0	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388244 - DAD-12

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119904 Date Analyzed: 2015-03-10 Analyzed By: MC
 Prep Batch: 101437 Sample Preparation: 2015-03-10 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2860	2860	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388244 - DAD-12

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119988 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101508 Sample Preparation: 2015-03-13 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	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388245 - DAD-13

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119856 Date Analyzed: 2015-03-06 Analyzed By: JR
 Prep Batch: 101392 Sample Preparation: 2015-03-06 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	553	553	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388245 - DAD-13

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119856 Date Analyzed: 2015-03-06 Analyzed By: JR
 Prep Batch: 101392 Sample Preparation: 2015-03-06 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	6.72	6.72	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388245 - DAD-13

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119904 Date Analyzed: 2015-03-10 Analyzed By: MC
 Prep Batch: 101437 Sample Preparation: 2015-03-10 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	2120	2120	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388245 - DAD-13

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119988 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101508 Sample Preparation: 2015-03-13 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388246 - DAD-15

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119856 Date Analyzed: 2015-03-06 Analyzed By: JR
 Prep Batch: 101392 Sample Preparation: 2015-03-06 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		1,4,6	491	491	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388246 - DAD-15

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119856 Date Analyzed: 2015-03-06 Analyzed By: JR
 Prep Batch: 101392 Sample Preparation: 2015-03-06 Prepared By: JR

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		1,4,6	5.08	5.08	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388246 - DAD-15

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119904 Date Analyzed: 2015-03-10 Analyzed By: MC
 Prep Batch: 101437 Sample Preparation: 2015-03-10 Prepared By: MC

continued . . .

sample 388246 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	1780	1780	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388246 - DAD-15

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119988 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101508 Sample Preparation: 2015-03-13 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	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 388247 - DAD-19

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119856 Date Analyzed: 2015-03-06 Analyzed By: JR
 Prep Batch: 101392 Sample Preparation: 2015-03-06 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	966	966	<4.92	mg/L	50	4.92	2.5	0.0984

Sample: 388247 - DAD-19

Laboratory: El Paso
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119856 Date Analyzed: 2015-03-06 Analyzed By: JR
 Prep Batch: 101392 Sample Preparation: 2015-03-06 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	46.2	46.2	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388247 - DAD-19

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119904 Date Analyzed: 2015-03-10 Analyzed By: MC
 Prep Batch: 101437 Sample Preparation: 2015-03-10 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	3160	3160	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 388247 - DAD-19

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119988 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101508 Sample Preparation: 2015-03-13 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	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119856
Prep Batch: 101392Date Analyzed: 2015-03-06
QC Preparation: 2015-03-06Analyzed 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: 119856
Prep Batch: 101392Date Analyzed: 2015-03-06
QC Preparation: 2015-03-06Analyzed 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: 119904
Prep Batch: 101437Date Analyzed: 2015-03-10
QC Preparation: 2015-03-10Analyzed By: MC
Prepared By: MC

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

Method Blank (1)

QC Batch: 119988
Prep Batch: 101508Date Analyzed: 2015-03-13
QC Preparation: 2015-03-13Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 388179

QC Batch: 119904
 Prep Batch: 101437

Date Analyzed: 2015-03-10
 QC Preparation: 2015-03-10

Analyzed By: MC
 Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	1700	1660	mg/L	1	2	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119856
 Prep Batch: 101392

Date Analyzed: 2015-03-06
 QC Preparation: 2015-03-06

Analyzed By: JR
 Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	25.5	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		1,4,6	25.5	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: 119856
 Prep Batch: 101392

Date Analyzed: 2015-03-06
 QC Preparation: 2015-03-06

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	5.09	mg/L	1	5.00	<0.00940	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
Nitrate-N		1,4,6	5.09	mg/L	1	5.00	<0.00940	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: 119904
 Prep Batch: 101437

Date Analyzed: 2015-03-10
 QC Preparation: 2015-03-10

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	968	mg/L	1	1000	<2.50	97	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids		1,4,6	996	mg/L	1	1000	<2.50	100	90 - 110	3	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: 119988
 Prep Batch: 101508

Date Analyzed: 2015-03-13
 QC Preparation: 2015-03-13

Analyzed By: CF
 Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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		2,3,7,8	44.8	mg/L	1	50.0	<1.80	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: 388246

QC Batch: 119856 Date Analyzed: 2015-03-06 Analyzed By: JR
 Prep Batch: 101392 QC Preparation: 2015-03-06 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		1,4,6	1980	mg/L	55.6	1390	491	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	1980	mg/L	55.6	1390	491	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: 388246

QC Batch: 119856 Date Analyzed: 2015-03-06 Analyzed By: JR
 Prep Batch: 101392 QC Preparation: 2015-03-06 Prepared By: JR

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,6	286	mg/L	55.6	278	5.08	101	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,6	287	mg/L	55.6	278	5.08	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: 388247

QC Batch: 119988 Date Analyzed: 2015-03-13 Analyzed By: CF
 Prep Batch: 101508 QC Preparation: 2015-03-13 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	43.4	mg/L	1	50.0	<1.80	87	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	43.4	mg/L	1	50.0	<1.80	87	76.4 - 120	0	20

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

Calibration Standards

Standard (CCV-1)

QC Batch: 119856

Date Analyzed: 2015-03-06

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	2015-03-06

Standard (CCV-1)

QC Batch: 119856

Date Analyzed: 2015-03-06

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	2015-03-06

Standard (CCV-2)

QC Batch: 119856

Date Analyzed: 2015-03-06

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	2015-03-06

Standard (CCV-2)

QC Batch: 119856

Date Analyzed: 2015-03-06

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	5.07	101	90 - 110	2015-03-06

Standard (CCV-3)

QC Batch: 119856

Date Analyzed: 2015-03-06

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	2015-03-06

Standard (CCV-3)

QC Batch: 119856

Date Analyzed: 2015-03-06

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	5.11	102	90 - 110	2015-03-06

Standard (ICV-1)

QC Batch: 119988

Date Analyzed: 2015-03-13

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		2,3,7,8	mg/L	5.00	4.34	87	85 - 115	2015-03-13

Standard (CCV-1)

QC Batch: 119988

Date Analyzed: 2015-03-13

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		2,3,7,8	mg/L	5.00	4.48	90	85 - 115	2015-03-13

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.750	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.125	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	Lubbock
8		2014-018	Lubbock

Standard Flags

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

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

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



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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: March 16, 2015

Work Order: 15030934



Project Location: 17800 S. Stern Dr., Mesquite, NM
Project Name: Big Sky Dairy
Project Number: 461601

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
388418	IRR WELL LRG-4001-S-2	water	2015-03-09	14:00	2015-03-09

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.

This report consists of a total of 11 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.

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 2015-03-09 and assigned to work order 15030934. Samples for work order 15030934 were received intact at a temperature of 3.0 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
NO3 (IC)	E 300.0	101441	2015-03-10 at 18:54	119910	2015-03-10 at 18:54
TKN	SM 4500-NH3 B,C	101539	2015-03-16 at 09:15	120020	2015-03-16 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 15030934 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: 388418 - IRR WELL LRG-4001-S-2

Laboratory:	El Paso	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	NO3 (IC)	Date Analyzed:	2015-03-10	Analyzed By:	JR
QC Batch:	119910	Sample Preparation:	2015-03-10	Prepared By:	JR
Prep Batch:	101441				

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	J	1,4,5	2.38	<2.50	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 388418 - IRR WELL LRG-4001-S-2

Laboratory:	Lubbock	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
Analysis:	TKN	Date Analyzed:	2015-03-16	Analyzed By:	CF
QC Batch:	120020	Sample Preparation:	2015-03-16	Prepared By:	CF
Prep Batch:	101539				

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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119910
Prep Batch: 101441

Date Analyzed: 2015-03-10
QC Preparation: 2015-03-10

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: 120020
Prep Batch: 101539

Date Analyzed: 2015-03-16
QC Preparation: 2015-03-16

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.80	mg/L	1.8

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119910
Prep Batch: 101441

Date Analyzed: 2015-03-10
QC Preparation: 2015-03-10

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	5.13	mg/L	1	5.00	<0.00940	103	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	5.15	mg/L	1	5.00	<0.00940	103	90 - 110	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 120020
Prep Batch: 101539

Date Analyzed: 2015-03-16
QC Preparation: 2015-03-16

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	<1.80	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	<1.80	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: 388560

QC Batch: 120020
Prep Batch: 101539

Date Analyzed: 2015-03-16
QC Preparation: 2015-03-16

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	43.4	mg/L	1	50.0	<1.80	87	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	<1.80	87	76.4 - 120	0	20

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

Calibration Standards

Standard (CCV-1)

QC Batch: 119910

Date Analyzed: 2015-03-10

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	5.06	101	90 - 110	2015-03-10

Standard (CCV-2)

QC Batch: 119910

Date Analyzed: 2015-03-10

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	5.08	102	90 - 110	2015-03-10

Standard (ICV-1)

QC Batch: 120020

Date Analyzed: 2015-03-16

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	2015-03-16

Standard (CCV-1)

QC Batch: 120020

Date Analyzed: 2015-03-16

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.76	95	85 - 115	2015-03-16

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.125	Pass
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-14-10	Lubbock
7		2014-018	Lubbock

Standard Flags

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

Attachments

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

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

Project #: 88048
 Project Name: Big Sky Dairy
 Project Location (including state): Big Sky Dairy, 17800 Stern Drive, Mesquite, NM
 Sampler Signature: George Segura 575-233-3620

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
3884/8	IRR WELL LRG-4001-S-2	1		X						X	X	X	3-9-15	14:00
4-2	IRR WELL LRG-4001-S-2	1		X						X	X	X	3-9-15	14:00

ANALYSIS REQUEST	Remarks:
MTEB 8021B/602	
BTEX 8021B/602	
TPH 418.1 / TX1005	
Nitrate as Nitrogen EPA 300.0	X
Salinity	
EC	
pH	
Carbonates	
SAR	
Potassium	
Phosphorus SM 4500	
Total Nitrogen	
Total Kjeldhal Nitrogen SM 4500 NORGC	X
Turn Around Time	
Hold	

Relinquished By: DJH Date: 3-9-15 15:00
 Received By: DJH Date: 3-9-15 15:00
 Relinquished By: DJH Date: 3-9-15 14:30
 Received By: DJH Date: 3-11-15 9:15
 Lab Use Only: Intact Y/N, Headspace Y/N, Temp 3/3, Log-in Review
 Dry Weight Basis Required, TRRP Report Required

1RB/3.1 25-491 70859 3-9-15



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
5002 Basin Street, Suite A1 Midland, Texas 79703 432-689-6301 FAX 432-689-6313
(BioAquatic) 2501 Mayes Rd., Suite 100 Carrollton, Texas 75006 972-242-7750
E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

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

Report Date: March 27, 2015

Work Order: 15032431



DP: 257
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
389472	Sunset Irr. Well LRG-940 POD	Water	2015-03-24	10:30	2015-03-24

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

This report consists of a total of 11 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.

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 2015-03-24 and assigned to work order 15032431. Samples for work order 15032431 were received intact at a temperature of 12 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
NO3 (IC)	E 300.0	101779	2015-03-26 at 18:22	120298	2015-03-24 at 18:22
TKN	SM 4500-NH3 B,C	101821	2015-03-27 at 11:00	120349	2015-03-27 at 15:10

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 15032431 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. 120298 Method Blank-1	Nitrate-N	MI5	Baseline correction

Analytical Report

Sample: 389472 - Sunset Irr. Well LRG-940 POD

Laboratory:	El Paso	Analytical Method:	E 300.0	Prep Method:	N/A
Analysis:	NO3 (IC)	Date Analyzed:	2015-03-24	Analyzed By:	JR
QC Batch:	120298	Sample Preparation:	2015-03-26	Prepared By:	JR
Prep Batch:	101779				

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N	B,MI5	1,4,5	7.00	7.00	<0.0470	mg/L	5	0.0470	0.5	0.0094

Sample: 389472 - Sunset Irr. Well LRG-940 POD

Laboratory:	Lubbock	Analytical Method:	SM 4500-NH3 B,C	Prep Method:	N/A
Analysis:	TKN	Date Analyzed:	2015-03-27	Analyzed By:	CF
QC Batch:	120349	Sample Preparation:	2015-03-27	Prepared By:	CF
Prep Batch:	101821				

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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 120298
Prep Batch: 101779Date Analyzed: 2015-03-24
QC Preparation: 2015-03-26Analyzed By: JR
Prepared By: JR

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N	B,MI5	1,4,5	0.150	mg/L	0.0094

Method Blank (1)

QC Batch: 120349
Prep Batch: 101821Date Analyzed: 2015-03-27
QC Preparation: 2015-03-27Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,6,7	<1.80	mg/L	1.8

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 120298
Prep Batch: 101779

Date Analyzed: 2015-03-24
QC Preparation: 2015-03-26

Analyzed By: JR
Prepared By: JR

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		1,4,5	4.76	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.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	4.76	mg/L	1	5.00	<0.00940	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: 120349
Prep Batch: 101821

Date Analyzed: 2015-03-27
QC Preparation: 2015-03-27

Analyzed By: CF
Prepared By: CF

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	46.2	mg/L	1	50.0	<1.80	92	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	47.6	mg/L	1	50.0	<1.80	95	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: 389469

QC Batch: 120298
Prep Batch: 101779

Date Analyzed: 2015-03-24
QC Preparation: 2015-03-26

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	28.2	mg/L	5.56	27.8	<0.0523	101	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		1,4,5	27.0	mg/L	5.56	27.8	<0.0523	97	80 - 120	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: 389659

QC Batch: 120349
Prep Batch: 101821

Date Analyzed: 2015-03-27
QC Preparation: 2015-03-27

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,6,7	44.1	mg/L	1	50.0	<1.80	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	46.2	mg/L	1	50.0	<1.80	92	76.4 - 120	5	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: 120298

Date Analyzed: 2015-03-24

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	5.00	100	90 - 110	2015-03-24

Standard (CCV-2)

QC Batch: 120298

Date Analyzed: 2015-03-24

Analyzed By: JR

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		1,4,5	mg/L	5.00	5.07	101	90 - 110	2015-03-24

Standard (ICV-1)

QC Batch: 120349

Date Analyzed: 2015-03-27

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	2015-03-27

Standard (CCV-1)

QC Batch: 120349

Date Analyzed: 2015-03-27

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,6,7	mg/L	5.00	4.90	98	85 - 115	2015-03-27

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0208	Pass
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	NELAP	T104704221-15-6	El Paso
6	NELAP	T104704219-14-10	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.

LAB Order ID # 15032431 (of) Page

Trace Analysis, Inc.
 email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
 Lubbock, Texas 79424
 Tel (806) 794-1296
 Fax (806) 794-1298
 1 (800) 378-1296

5002 Basin Street, Suite A1
 Midland, Texas 79703
 Tel (432) 689-6301
 Fax (432) 689-6313

200 East Sunset Rd., Suite E
 El Paso, Texas 79922
 Tel (915) 585-3443
 Fax (915) 585-4944
 1 (888) 588-3443

Company Name: Sunset Dairy Phone #: 575-233-3620
 Address: 17700 S Stern Dr (Street, City, Zip) Fax #: 575-233-1138
 Contact Person: Linda Armstrong E-mail:
 Invoice to: Sunset Dairy PO Box 10 Mesquite NM 88045
 (If different from above) Project Name: Sunset Dairy
 Project #: 55D Sampler 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
389472	Sunset Irrigation well	250	X					X				3/24	10:30
	LRG-940 POD	1	500	Y				Y				3/24	10:30
													5/3-24-15

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624	
BTEX 8021 / 602 / 8260 / 624	
TPH 418.1 / TX1005 / TX1005 Ext(C35)	
TPH 8015 GRO / DRO / TVHC	
PAH 8270 / 625	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
TCLP Pesticides	
RCI	
GC/MS Vol. 8260 / 624	
GC/MS Semi. Vol. 8270 / 625	
PCB's 8082 / 608	
Pesticides 8081 / 608	
BOD, TSS, pH	
Moisture Content	
Cl, F, SO ₄ , NO ₃ , NO ₂ , N-PO ₄ , P, Alkalinity	X
Na, Ca, Mg, K, TDS, EC	X
TKN	X
Turn Around Time if different from standard	

LAB USE ONLY

Relinquished by: [Signature] Company: TAEP Date: 3-24-15 Time: 2:30
 Received by: MRE Company: TAEP Date: 3-24-15 Time: 11:30
 INST: 11 OBS: 11 COR: 12

Relinquished by: MRE Company: TAEP Date: 3-24-15 Time: 16:30
 Received by: BE Company: TA Date: 3/25/15 Time: 9:15
 INST: 15 OBS: 15 COR: 15

REMARKS: Customer OK w Hemp just sampled.

Dry Weight Basis Required
 TRRP Report Required
 Check If Special Reporting Limits Are Needed

Carrier # 99170889

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C. ORIGINAL COPY



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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: April 17, 2015

Work Order: 15020938



Project Location: 13520 Stern Drive, Mesquite, NM
Project Name: Bright Star Dairy
Project Number: 461598

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
386253	340-1	water	2015-02-09	13:38	2015-02-09
386254	340-2	water	2015-02-09	14:14	2015-02-09
386255	70/86/340-01	water	2015-02-09	12:26	2015-02-09
386256	86/340-01	water	2015-02-09	10:54	2015-02-09
386257	340 Lagoon	water	2015-02-09	13:55	2015-02-09

Report Corrections (Work Order 15020938)

- 4/17/15: Corrected description on samples 386255 and 386256.

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.

This report consists of a total of 26 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

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

Blair Leftwich

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

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Case Narrative

Samples for project Bright Star Dairy were received by TraceAnalysis, Inc. on 2015-02-09 and assigned to work order 15020938. Samples for work order 15020938 were received intact at a temperature of 4 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	100857	2015-02-10 at 11:00	119259	2015-02-10 at 13:00
Chloride (IC)	E 300.0	100858	2015-02-10 at 11:00	119261	2015-02-10 at 13:00
NO3 (IC)	E 300.0	100857	2015-02-10 at 11:00	119259	2015-02-10 at 13:00
NO3 (IC)	E 300.0	100858	2015-02-10 at 11:00	119261	2015-02-10 at 13:00
P, Total	S 6010C	100843	2015-02-10 at 15:20	119283	2015-02-11 at 11:46
TDS	SM 2540C	100838	2015-02-10 at 10:25	119243	2015-02-10 at 10:25
TKN	SM 4500-NH3 B,C	100964	2015-02-16 at 10:30	119391	2015-02-16 at 14:00

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 15020938 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: 386253 - 340-1

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119259 Date Analyzed: 2015-02-10 Analyzed By: RL
 Prep Batch: 100857 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,8	339	339	67.1	mg/L	100	34.9	2.5	0.349

Sample: 386253 - 340-1

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119259 Date Analyzed: 2015-02-10 Analyzed By: RL
 Prep Batch: 100857 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	50.0	50.0	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386253 - 340-1

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119243 Date Analyzed: 2015-02-10 Analyzed By: MC
 Prep Batch: 100838 Sample Preparation: 2015-02-10 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2780	2780	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386253 - 340-1

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119391 Date Analyzed: 2015-02-16 Analyzed By: CF
 Prep Batch: 100964 Sample Preparation: 2015-02-16 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	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386254 - 340-2

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL
 Prep Batch: 100858 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	809	809	74.7	mg/L	100	34.9	2.5	0.349

Sample: 386254 - 340-2

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL
 Prep Batch: 100858 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	91.2	91.2	<0.274	mg/L	100	0.274	0.04	0.00274

Sample: 386254 - 340-2

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119243 Date Analyzed: 2015-02-10 Analyzed By: MC
 Prep Batch: 100838 Sample Preparation: 2015-02-10 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	3340	3340	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386254 - 340-2

Report Date: April 17, 2015
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Work Order: 15020938
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Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 119391 Date Analyzed: 2015-02-16 Analyzed By: CF
Prep Batch: 100964 Sample Preparation: 2015-02-16 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386255 - 70/86/340-01

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL
Prep Batch: 100858 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	1620	1620	74.7	mg/L	100	34.9	2.5	0.349

Sample: 386255 - 70/86/340-01

Laboratory: Lubbock
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL
Prep Batch: 100858 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	8.79	8.79	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386255 - 70/86/340-01

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 119243 Date Analyzed: 2015-02-10 Analyzed By: MC
Prep Batch: 100838 Sample Preparation: 2015-02-10 Prepared By: MC

continued ...

sample 386255 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	4840	4840	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386255 - 70/86/340-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119391 Date Analyzed: 2015-02-16 Analyzed By: CF
 Prep Batch: 100964 Sample Preparation: 2015-02-16 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386256 - 86/340-01

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL
 Prep Batch: 100858 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride	B	2,3,5,7,8	410	410	74.7	mg/L	100	34.9	2.5	0.349

Sample: 386256 - 86/340-01

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL
 Prep Batch: 100858 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		2,3,5,7,8	10.8	10.8	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386256 - 86/340-01

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119243 Date Analyzed: 2015-02-10 Analyzed By: MC
 Prep Batch: 100838 Sample Preparation: 2015-02-10 Prepared By: MC

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1,4,6	2120	2120	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386256 - 86/340-01

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119391 Date Analyzed: 2015-02-16 Analyzed By: CF
 Prep Batch: 100964 Sample Preparation: 2015-02-16 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386257 - 340 Lagoon

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL
 Prep Batch: 100858 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		2,3,5,7,8	807	807	74.7	mg/L	100	34.9	2.5	0.349

Sample: 386257 - 340 Lagoon

Report Date: April 17, 2015
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Laboratory: Lubbock
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL
Prep Batch: 100858 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	1.08	1.08	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386257 - 340 Lagoon

Laboratory: Lubbock
Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
QC Batch: 119283 Date Analyzed: 2015-02-11 Analyzed By: LM
Prep Batch: 100843 Sample Preparation: 2015-02-11 Prepared By: LM

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Phosphorous		2,3,5,7,8	155	155	<0.0459	mg/L	10	0.0459	0.5	0.00459

Sample: 386257 - 340 Lagoon

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 119243 Date Analyzed: 2015-02-10 Analyzed By: MC
Prep Batch: 100838 Sample Preparation: 2015-02-10 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	7600	7600	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386257 - 340 Lagoon

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 119391 Date Analyzed: 2015-02-16 Analyzed By: CF
Prep Batch: 100964 Sample Preparation: 2015-02-16 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,8	164	164	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119243
Prep Batch: 100838

Date Analyzed: 2015-02-10
QC Preparation: 2015-02-10

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: 119259
Prep Batch: 100857

Date Analyzed: 2015-02-10
QC Preparation: 2015-02-10

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.671	mg/L	0.349

Method Blank (1)

QC Batch: 119259
Prep Batch: 100857

Date Analyzed: 2015-02-10
QC Preparation: 2015-02-10

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119261
Prep Batch: 100858

Date Analyzed: 2015-02-10
QC Preparation: 2015-02-10

Analyzed By: RL
Prepared By: RL

Report Date: April 17, 2015
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Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.747	mg/L	0.349

Method Blank (1)

QC Batch: 119261
Prep Batch: 100858

Date Analyzed: 2015-02-10
QC Preparation: 2015-02-10

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119283
Prep Batch: 100843

Date Analyzed: 2015-02-11
QC Preparation: 2015-02-10

Analyzed By: LM
Prepared By: PM

Parameter	F	C	Result	Units	Reporting Limits
Total Phosphorous		2,3,5,7,8	<0.00459	mg/L	0.00459

Method Blank (1)

QC Batch: 119391
Prep Batch: 100964

Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 386253

QC Batch: 119243
Prep Batch: 100838

Date Analyzed: 2015-02-10
QC Preparation: 2015-02-10

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	2780	mg/L	1	0	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119243
Prep Batch: 100838

Date Analyzed: 2015-02-10
QC Preparation: 2015-02-10

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	999	mg/L	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	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: 119259
Prep Batch: 100857

Date Analyzed: 2015-02-10
QC Preparation: 2015-02-10

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	24.4	mg/L	1	25.0	0.671	95	90 - 110

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	24.3	mg/L	1	25.0	0.671	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: 119259
Prep Batch: 100857

Date Analyzed: 2015-02-10
QC Preparation: 2015-02-10

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	5.07	mg/L	1	5.00	<0.00274	101	90 - 110

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

Param	F	C	LCSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	
			Result	Units						RPD	Limit
Nitrate-N		2,3,5,7,8	5.09	mg/L	1	5.00	<0.00274	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: 119261
Prep Batch: 100858

Date Analyzed: 2015-02-10
QC Preparation: 2015-02-10

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	
			Result	Units						RPD	Limit
Chloride		2,3,5,7,8	23.4	mg/L	1	25.0	0.747	91	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	
			Result	Units						RPD	Limit
Chloride		2,3,5,7,8	23.5	mg/L	1	25.0	0.747	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: 119261
Prep Batch: 100858

Date Analyzed: 2015-02-10
QC Preparation: 2015-02-10

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	
			Result	Units						RPD	Limit
Nitrate-N		2,3,5,7,8	4.95	mg/L	1	5.00	<0.00274	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	
			Result	Units						RPD	Limit
Nitrate-N		2,3,5,7,8	4.99	mg/L	1	5.00	<0.00274	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: 119283
Prep Batch: 100843

Date Analyzed: 2015-02-11
QC Preparation: 2015-02-10

Analyzed By: LM
Prepared By: PM

Report Date: April 17, 2015
461598

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Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		2,3,5,7,8	0.462	mg/L	1	0.500	<0.00459	92	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	
Total Phosphorous		2,3,5,7,8	0.483	mg/L	1	0.500	<0.00459	97	85 - 115	4	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119391
Prep Batch: 100964

Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16

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	<1.80	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. Limit	RPD	RPD Limit	
Total Kjeldahl Nitrogen - N		2,3,7,8	43.4	mg/L	1	50.0	<1.80	87	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: 386253

QC Batch: 119259 Date Analyzed: 2015-02-10 Analyzed By: RL
Prep Batch: 100857 QC Preparation: 2015-02-10 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	2810	mg/L	100	2500	339	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. Limit	RPD	RPD Limit	
Chloride		2,3,5,7,8	2740	mg/L	100	2500	339	96	80 - 120	2	20

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

Matrix Spike (MS-1) Spiked Sample: 386253

QC Batch: 119259 Date Analyzed: 2015-02-10 Analyzed By: RL
Prep Batch: 100857 QC Preparation: 2015-02-10 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	555	mg/L	100	500	50	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. Limit	RPD	RPD Limit	
Nitrate-N		2,3,5,7,8	550	mg/L	100	500	50	100	80 - 120	1	20

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

Matrix Spike (MS-1) Spiked Sample: 386301

QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL
Prep Batch: 100858 QC Preparation: 2015-02-10 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	204	mg/L	5	125	68.6	108	80 - 120

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

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Param	F	C	MSD		Dil.	Spike Amount	Matrix		Rec. Limit	RPD	RPD Limit
			Result	Units			Result	Rec.			
Chloride		2,3,5,7,8	197	mg/L	5	125	68.6	103	80 - 120	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: 386301

QC Batch: 119261
Prep Batch: 100858

Date Analyzed: 2015-02-10
QC Preparation: 2015-02-10

Analyzed By: RL
Prepared By: RL

Param	F	C	MS		Dil.	Spike Amount	Matrix		Rec. Limit
			Result	Units			Result	Rec.	
Nitrate-N		2,3,5,7,8	26.2	mg/L	5	25.0	0.729	102	80 - 120

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

Param	F	C	MSD		Dil.	Spike Amount	Matrix		Rec. Limit	RPD	RPD Limit
			Result	Units			Result	Rec.			
Nitrate-N		2,3,5,7,8	24.1	mg/L	5	25.0	0.729	93	80 - 120	8	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: 386136

QC Batch: 119283
Prep Batch: 100843

Date Analyzed: 2015-02-11
QC Preparation: 2015-02-10

Analyzed By: LM
Prepared By: PM

Param	F	C	MS		Dil.	Spike Amount	Matrix		Rec. Limit
			Result	Units			Result	Rec.	
Total Phosphorous		2,3,5,7,8	0.893	mg/L	1	0.500	0.4228	94	75 - 125

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

Param	F	C	MSD		Dil.	Spike Amount	Matrix		Rec. Limit	RPD	RPD Limit
			Result	Units			Result	Rec.			
Total Phosphorous		2,3,5,7,8	0.870	mg/L	1	0.500	0.4228	89	75 - 125	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: 386339

QC Batch: 119391
Prep Batch: 100964

Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16

Analyzed By: CF
Prepared By: CF

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N		2,3,7,8	44.8	mg/L	1	50.0	<1.80	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	45.5	mg/L	1	50.0	<1.80	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: 119259

Date Analyzed: 2015-02-10

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.3	97	90 - 110	2015-02-10

Standard (CCV-1)

QC Batch: 119259

Date Analyzed: 2015-02-10

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.04	101	90 - 110	2015-02-10

Standard (CCV-2)

QC Batch: 119259

Date Analyzed: 2015-02-10

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.4	98	90 - 110	2015-02-10

Standard (CCV-2)

QC Batch: 119259

Date Analyzed: 2015-02-10

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.07	101	90 - 110	2015-02-10

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Standard (CCV-1)

QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.4	98	90 - 110	2015-02-10

Standard (CCV-1)

QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.07	101	90 - 110	2015-02-10

Standard (CCV-2)

QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	24.4	98	90 - 110	2015-02-10

Standard (CCV-2)

QC Batch: 119261 Date Analyzed: 2015-02-10 Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.09	102	90 - 110	2015-02-10

Standard (ICV-1)

QC Batch: 119283 Date Analyzed: 2015-02-11 Analyzed By: LM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		2,3,5,7,8	mg/L	5.00	4.96	99	90 - 110	2015-02-11

Standard (CCV-1)

QC Batch: 119283

Date Analyzed: 2015-02-11

Analyzed By: LM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		2,3,5,7,8	mg/L	5.00	4.86	97	90 - 110	2015-02-11

Standard (ICV-1)

QC Batch: 119391

Date Analyzed: 2015-02-16

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	2015-02-16

Standard (CCV-1)

QC Batch: 119391

Date Analyzed: 2015-02-16

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	2015-02-16

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	Pass
P, Total	S 6010C	water	PE 8300	Total Phosphorous	0.100	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8		2014-018	Lubbock

Standard Flags

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

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

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

Company Name: 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 Name: Bright Star Dairy
 Project #: 461598
 Invoice to (if different from above): Bright Star Dairy, P.O. Box 167, Mesquite, NM 88048
 Project Location (including state): Bright Star Dairy, 13520 Stern Drive, Mesquite, NM
 Sampler Signature: [Signature]

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				DATE	SAMPLING TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄			NaOH
386233-1	340-1	1	250	X				X	X	X		2-9-15	13:38
↓ -2	340-1	1		X				X	X	X			13:38
54-1	340-2	1		X				X	X	X			14:14
↓ -2	340-2	1		X				X	X	X			14:14
55-1	70/86/340-01 *	1		X				X	X	X			12:26
↓ -2	70/86/340	1		X				X	X	X			12:26
56-1	86/340-01 *	1		X				X	X	X			10:54
↓ -2	86/340	1		X				X	X	X			10:54
57-1	340 Lagoon	1		X				X	X	X			13:55
↓ -2	340 Lagoon	1		X				X	X	X			13:55
↓ -2	340 Lagoon	1		X				X	X	X			13:55

Reinquisitioned By: [Signature] Date: 2-9-15 Time: 14:30

Received By: [Signature] Date: 2-9-15 Time: 14:30

Reinquisitioned By: [Signature] Date: 2-9-15 Time: 1630

Received at Laboratory By: [Signature] Date: 2-10-15 Time: 15:15

Lab Use Only: Intact Y Headspace N Temp 3/4 Log-in Review PH

Remarks: Cl, NO₃, TKN - sent to cub back

Dry Weight Basis Required TTRP Report Required

Report sent 2-17-15 AT
 Full Report mailed 2-18-15 AT



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)

Joe Gonzalez
Gonzalez Farmes
14310 Stern Drive
P.O. Box 199
Mesquite, NM, 88048

Report Date: April 17, 2015

Work Order: 15021236



Project Location: 14310 Stern Dr., Mesquite, NM
Project Name: Gonzalez Farmes Inc.
Project Number: 461592

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
386690	177-02	Water	2015-02-12	10:34	2015-02-12
386691	177-04	Water	2015-02-12	08:53	2015-02-12
386692	177-07R	Water	2015-02-12	10:04	2015-02-12

Report Corrections (Work Order 15021236)

- 4/17/15: Corrected description on sample 386692.

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.

This report consists of a total of 24 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

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

Blair Leftwich

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

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Case Narrative

Samples for project Gonzalez Farmes Inc. were received by TraceAnalysis, Inc. on 2015-02-12 and assigned to work order 15021236. Samples for work order 15021236 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	100957	2015-02-13 at 15:00	119383	2015-02-13 at 18:06
Chloride (IC)	E 300.0	100958	2015-02-13 at 15:00	119384	2015-02-13 at 18:06
NO3 (IC)	E 300.0	100957	2015-02-13 at 15:00	119383	2015-02-13 at 18:06
NO3 (IC)	E 300.0	100958	2015-02-13 at 15:00	119384	2015-02-13 at 18:06
TDS	SM 2540C	100975	2015-02-16 at 12:30	119400	2015-02-16 at 12:30
TKN	SM 4500-NH3 B,C	101134	2015-02-24 at 10:30	119584	2015-02-24 at 14:10
TKN	SM 4500-NH3 B,C	101160	2015-02-25 at 10:30	119609	2015-02-25 at 13:35

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 15021236 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: 386690 - 177-02

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119383 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100957 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	835	835	71.8	mg/L	100	34.9	2.5	0.349

Sample: 386690 - 177-02

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119383 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100957 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	17.5	17.5	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386690 - 177-02

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119400 Date Analyzed: 2015-02-16 Analyzed By: MC
 Prep Batch: 100975 Sample Preparation: 2015-02-16 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	3160	3160	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386690 - 177-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119584 Date Analyzed: 2015-02-24 Analyzed By: CF
 Prep Batch: 101134 Sample Preparation: 2015-02-24 Prepared By: CF

Report Date: April 17, 2015
461592

Work Order: 15021236
Gonzalez Farmes Inc.

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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	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386691 - 177-04

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119384 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100958 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	1110	1110	<34.9	mg/L	100	34.9	2.5	0.349

Sample: 386691 - 177-04

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119384 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100958 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	18.7	18.7	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386691 - 177-04

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119400 Date Analyzed: 2015-02-16 Analyzed By: MC
 Prep Batch: 100975 Sample Preparation: 2015-02-16 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	3730	3730	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386691 - 177-04

Report Date: April 17, 2015
461592

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Gonzalez Farmes Inc.

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Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 119584 Date Analyzed: 2015-02-24 Analyzed By: CF
Prep Batch: 101134 Sample Preparation: 2015-02-24 Prepared By: CF

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386692 - 177-07R

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119384 Date Analyzed: 2015-02-13 Analyzed By: RL
Prep Batch: 100958 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,8	1070	1070	<34.9	mg/L	100	34.9	2.5	0.349

Sample: 386692 - 177-07R

Laboratory: Lubbock
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119384 Date Analyzed: 2015-02-13 Analyzed By: RL
Prep Batch: 100958 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,8	46.9	46.9	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386692 - 177-07R

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 119400 Date Analyzed: 2015-02-16 Analyzed By: MC
Prep Batch: 100975 Sample Preparation: 2015-02-16 Prepared By: MC

continued . . .

sample 386692 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		1,4,6	3510	3510	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386692 - 177-07R

Laboratory: Lubbock
Analysis: TKN
QC Batch: 119609
Prep Batch: 101160

Analytical Method: SM 4500-NH3 B,C
Date Analyzed: 2015-02-25
Sample Preparation: 2015-02-25

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	2,3,7,8	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119383
Prep Batch: 100957

Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.718	mg/L	0.349

Method Blank (1)

QC Batch: 119383
Prep Batch: 100957

Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119384
Prep Batch: 100958

Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,8	0.826	mg/L	0.349

Method Blank (1)

QC Batch: 119384
Prep Batch: 100958

Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,8	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119400
Prep Batch: 100975

Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16

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: 119584
Prep Batch: 101134

Date Analyzed: 2015-02-24
QC Preparation: 2015-02-24

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Method Blank (1)

QC Batch: 119609
Prep Batch: 101160

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,8	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 386687

QC Batch: 119400
Prep Batch: 100975

Date Analyzed: 2015-02-16
QC Preparation: 2015-02-16

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	2860	2880	mg/L	1	1	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119383
Prep Batch: 100957

Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	23.5	mg/L	1	25.0	0.718	91	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		2,3,5,7,8	24.0	mg/L	1	25.0	0.718	93	90 - 110	2	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119383
Prep Batch: 100957

Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	4.88	mg/L	1	5.00	<0.00274	98	90 - 110

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

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,8	5.18	mg/L	1	5.00	<0.00274	104	90 - 110	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: 119384
Prep Batch: 100958

Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	24.1	mg/L	1	25.0	0.826	93	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
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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		2,3,7,8	46.2	mg/L	1	50.0	<1.80	92	82.3 - 115	5	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: 119609
Prep Batch: 101160

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

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	43.4	mg/L	1	50.0	<1.80	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		2,3,7,8	44.8	mg/L	1	50.0	<1.80	90	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: 386690

QC Batch: 119383 Date Analyzed: 2015-02-13 Analyzed By: RL
Prep Batch: 100957 QC Preparation: 2015-02-13 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	3400	mg/L	100	2500	835	103	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,8	3300	mg/L	100	2500	835	99	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: 386690

QC Batch: 119383 Date Analyzed: 2015-02-13 Analyzed By: RL
Prep Batch: 100957 QC Preparation: 2015-02-13 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,8	534	mg/L	100	500	26.1	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		2,3,5,7,8	522	mg/L	100	500	26.1	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: 385127

QC Batch: 119384 Date Analyzed: 2015-02-13 Analyzed By: RL
Prep Batch: 100958 QC Preparation: 2015-02-13 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,8	319	mg/L	10	250	71.6	99	80 - 120

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

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Param	F	C	MSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Chloride		2,3,5,7,8	312	mg/L	10	250	71.6	96	80 - 120	2	20

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

Matrix Spike (MS-1) Spiked Sample: 385127

QC Batch: 119384
Prep Batch: 100958

Date Analyzed: 2015-02-13
QC Preparation: 2015-02-13

Analyzed By: RL
Prepared By: RL

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		2,3,5,7,8	52.5	mg/L	10	50.0	3.3	98	80 - 120

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

Param	F	C	MSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		2,3,5,7,8	52.4	mg/L	10	50.0	3.3	98	80 - 120	0	20

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

Matrix Spike (MS-1) Spiked Sample: 386691

QC Batch: 119584
Prep Batch: 101134

Date Analyzed: 2015-02-24
QC Preparation: 2015-02-24

Analyzed 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	43.4	mg/L	1	50.0	<1.80	87	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		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Total Kjeldahl Nitrogen - N		2,3,7,8	44.1	mg/L	1	50.0	<1.80	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: 386997

QC Batch: 119609
Prep Batch: 101160

Date Analyzed: 2015-02-25
QC Preparation: 2015-02-25

Analyzed By: CF
Prepared By: CF

Report Date: April 17, 2015
461592

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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	<1.80	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	45.5	mg/L	1	50.0	<1.80	91	76.4 - 120	6	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: 119383

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.8	95	90 - 110	2015-02-13

Standard (CCV-1)

QC Batch: 119383

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.12	102	90 - 110	2015-02-13

Standard (CCV-2)

QC Batch: 119383

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,8	mg/L	25.0	23.6	94	90 - 110	2015-02-13

Standard (CCV-2)

QC Batch: 119383

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,8	mg/L	5.00	5.09	102	90 - 110	2015-02-13

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	2015-02-24

Standard (CCV-1)

QC Batch: 119584

Date Analyzed: 2015-02-24

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.76	95	85 - 115	2015-02-24

Standard (ICV-1)

QC Batch: 119609

Date Analyzed: 2015-02-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.34	87	85 - 115	2015-02-25

Standard (CCV-1)

QC Batch: 119609

Date Analyzed: 2015-02-25

Analyzed By: CF

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		2,3,7,8	mg/L	5.00	4.90	98	85 - 115	2015-02-25

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	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	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	Lubbock
3	Kansas	Kansas E-10317	Lubbock
4	LELAP	LELAP-02002	El Paso
5	LELAP	LELAP-02003	Lubbock
6	NELAP	T104704221-15-6	El Paso
7	NELAP	T104704219-15-11	Lubbock
8		2014-018	Lubbock

Standard Flags

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

F Description

U The analyte is not detected above the SDL

Attachments

The scanned attachments will follow this page.

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

TraceAnalysis, Inc.
 Lubbock, TX 79424
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 15021236
 Phone #: 915-859-8150
 Cell #: _____
 Fax #: _____
 E-mail: vajala@dhpump.com

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): Joe Gonzalez 575-233-4801
Gonzalez Dairy, PO Box 199, Mesquite, NM 88048
Project #: 461592
Project Name: Gonzalez Dairy Inc.
Sampler Signature: *Jufy*

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
386690		177-02	1	250	X				X	X	X	X	X	2-12-15	10:34			
1-2		177-01	1	250	X				X	X	X	X	X		10:34			
691-1		177-04	1	250	X				X	X	X	X	X		8:53			
1-2		177-04	1	250	X				X	X	X	X	X		8:53			
692-1		177-07R *	1	250	X				X	X	X	X	X		10:04			
1-2		177-07	1	250	X				X	X	X	X	X		10:04			
			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

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
Nitrate EPA 300	X
TKN SM 4500 NORG C	X
Chloride EPA 300	X
Total Dissolved Solids SM 2540 C MOD	X

Relinquished By: *Jufy* Date: 2-12-15 Time: 11:00
 Relinquished By: *MLC JAEF* Date: 2-12-15 Time: 16:30
 Received By: *MLC* Date: 2-12-15 Time: 14:00
 Received at Laboratory By: *Diya... TFA* Date: 2/13/15 Time: 9:00
 Lab Use Only
 Intact N
 Headspace Y N
 Temp 21.3°C
 Log-in Review
 Remarks: *on ice*
 19/1/098
 40
 Dry Weight Basis Required
 TTRP Report Required
 2-12-15

Full Report Mined 3-3-15 RH
 Report Sent 2-25-15 RH



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800-378-1296 806-794-1296 FAX 806-794-1298
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 E-Mail: lab@traceanalysis.com WEB: www.traceanalysis.com

Certifications

WBE HUB NCTRCA DBE NELAP DoD LELAP Kansas Oklahoma ISO 17025

Analytical and Quality Control Report

Linda Armstrong
 Organ Dairy LLC

Report Date: February 24, 2015

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

Work Order: 15021135



Project Location: 12560 Stern Dr., Mesquite, NM
 Project Name: Organ Dairy
 Project Number: 461595

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
386453	126-4	Water	2015-02-11	10:50	2015-02-11
386454	126-5	Water	2015-02-11	11:04	2015-02-11
386455	126-7	Water	2015-02-11	10:12	2015-02-11
386456	126-9	Water	2015-02-11	09:25	2015-02-11
386457	126-Lagoon	Water	2015-02-11	09:57	2015-02-11

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.

This report consists of a total of 26 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

Report Contents

Case Narrative	5
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Sample 386453 (126-4)	6
Sample 386454 (126-5)	7
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Case Narrative

Samples for project Organ Dairy were received by TraceAnalysis, Inc. on 2015-02-11 and assigned to work order 15021135. Samples for work order 15021135 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	100944	2015-02-12 at 14:00	119364	2015-02-13 at 15:15
Chloride (IC)	E 300.0	100945	2015-02-12 at 14:00	119365	2015-02-12 at 15:15
NO3 (IC)	E 300.0	100944	2015-02-12 at 14:00	119364	2015-02-13 at 15:15
NO3 (IC)	E 300.0	100945	2015-02-12 at 14:00	119365	2015-02-12 at 15:15
P, Total	S 6010C	100966	2015-02-16 at 16:14	119428	2015-02-17 at 12:56
TDS	SM 2540C	100920	2015-02-12 at 15:30	119333	2015-02-12 at 15:30
TKN	SM 4500-NH3 B,C	101134	2015-02-24 at 10:30	119584	2015-02-24 at 14:10

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 15021135 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: 386453 - 126-4

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119364 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100944 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,9	572	572	71.0	mg/L	100	34.9	2.5	0.349

Sample: 386453 - 126-4

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119364 Date Analyzed: 2015-02-13 Analyzed By: RL
 Prep Batch: 100944 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,9	17.1	17.1	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386453 - 126-4

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119333 Date Analyzed: 2015-02-12 Analyzed By: MC
 Prep Batch: 100920 Sample Preparation: 2015-02-12 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	2450	2450	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386453 - 126-4

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119584 Date Analyzed: 2015-02-24 Analyzed By: CF
 Prep Batch: 101134 Sample Preparation: 2015-02-24 Prepared By: CF

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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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386454 - 126-5

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119365 Date Analyzed: 2015-02-12 Analyzed By: RL
 Prep Batch: 100945 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		2,3,5,7,9	713	713	65.2	mg/L	100	34.9	2.5	0.349

Sample: 386454 - 126-5

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119365 Date Analyzed: 2015-02-12 Analyzed By: RL
 Prep Batch: 100945 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,9	28.8	28.8	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386454 - 126-5

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119333 Date Analyzed: 2015-02-12 Analyzed By: MC
 Prep Batch: 100920 Sample Preparation: 2015-02-12 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	3470	3470	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386454 - 126-5

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Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 119584 Date Analyzed: 2015-02-24 Analyzed By: CF
Prep Batch: 101134 Sample Preparation: 2015-02-24 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386455 - 126-7

Laboratory: Lubbock
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119365 Date Analyzed: 2015-02-12 Analyzed By: RL
Prep Batch: 100945 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride	B	2,3,5,7,9	546	546	65.2	mg/L	100	34.9	2.5	0.349

Sample: 386455 - 126-7

Laboratory: Lubbock
Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 119365 Date Analyzed: 2015-02-12 Analyzed By: RL
Prep Batch: 100945 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
			Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate-N		2,3,5,7,9	24.0	24.0	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386455 - 126-7

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 119333 Date Analyzed: 2015-02-12 Analyzed By: MC
Prep Batch: 100920 Sample Preparation: 2015-02-12 Prepared By: MC

continued . . .

sample 386455 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		1,4,6	2590	2590	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386455 - 126-7

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119584 Date Analyzed: 2015-02-24 Analyzed By: CF
 Prep Batch: 101134 Sample Preparation: 2015-02-24 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386456 - 126-9

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119365 Date Analyzed: 2015-02-12 Analyzed By: RL
 Prep Batch: 100945 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		2,3,5,7,9	798	798	65.2	mg/L	100	34.9	2.5	0.349

Sample: 386456 - 126-9

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119365 Date Analyzed: 2015-02-12 Analyzed By: RL
 Prep Batch: 100945 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate-N		2,3,5,7,9	2.18	2.18	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386456 - 126-9

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119333 Date Analyzed: 2015-02-12 Analyzed By: MC
 Prep Batch: 100920 Sample Preparation: 2015-02-12 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	2740	2740	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386456 - 126-9

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119584 Date Analyzed: 2015-02-24 Analyzed By: CF
 Prep Batch: 101134 Sample Preparation: 2015-02-24 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	<1.80	<10.0	<1.80	mg/L	1	1.80	10	1.8

Sample: 386457 - 126-Lagoon

Laboratory: Lubbock
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119365 Date Analyzed: 2015-02-12 Analyzed By: RL
 Prep Batch: 100945 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		2,3,5,7,9	6030	6030	326	mg/L	500	174	2.5	0.349

Sample: 386457 - 126-Lagoon

Laboratory: Lubbock
 Analysis: NO3 (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 119365 Date Analyzed: 2015-02-12 Analyzed By: RL
 Prep Batch: 100945 Sample Preparation: Prepared By: RL

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate-N	U	2,3,5,7,9	<0.0137	<0.200	<0.0137	mg/L	5	0.0137	0.04	0.00274

Sample: 386457 - 126-Lagoon

Laboratory: Lubbock
 Analysis: P, Total Analytical Method: S 6010C Prep Method: S 3010A
 QC Batch: 119428 Date Analyzed: 2015-02-17 Analyzed By: LM
 Prep Batch: 100966 Sample Preparation: 2015-02-17 Prepared By: LM

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Phosphorous		2,3,5,7,9	236	236	<0.230	mg/L	50	0.230	0.5	0.00459

Sample: 386457 - 126-Lagoon

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 119333 Date Analyzed: 2015-02-12 Analyzed By: MC
 Prep Batch: 100920 Sample Preparation: 2015-02-12 Prepared By: MC

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		1,4,6	5940	5940	<2.50	mg/L	1	2.50	2.5	2.5

Sample: 386457 - 126-Lagoon

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 119584 Date Analyzed: 2015-02-24 Analyzed By: CF
 Prep Batch: 101134 Sample Preparation: 2015-02-24 Prepared By: CF

Parameter	F	C	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
			Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N		2,3,7,9	270	270	<1.80	mg/L	1	1.80	10	1.8

Method Blanks

Method Blank (1)

QC Batch: 119333
Prep Batch: 100920

Date Analyzed: 2015-02-12
QC Preparation: 2015-02-12

Analyzed By: MC
Prepared By: MC

Parameter	F	C	Result	Units	Reporting Limits
Total Dissolved Solids		1,4,6	4.00	mg/L	2.5

Method Blank (1)

QC Batch: 119364
Prep Batch: 100944

Date Analyzed: 2015-02-13
QC Preparation: 2015-02-12

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,9	0.710	mg/L	0.349

Method Blank (1)

QC Batch: 119364
Prep Batch: 100944

Date Analyzed: 2015-02-13
QC Preparation: 2015-02-12

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,9	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119365
Prep Batch: 100945

Date Analyzed: 2015-02-12
QC Preparation: 2015-02-12

Analyzed By: RL
Prepared By: RL

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Parameter	F	C	Result	Units	Reporting Limits
Chloride		2,3,5,7,9	0.652	mg/L	0.349

Method Blank (1)

QC Batch: 119365
Prep Batch: 100945

Date Analyzed: 2015-02-12
QC Preparation: 2015-02-12

Analyzed By: RL
Prepared By: RL

Parameter	F	C	Result	Units	Reporting Limits
Nitrate-N		2,3,5,7,9	<0.00274	mg/L	0.00274

Method Blank (1)

QC Batch: 119428
Prep Batch: 100966

Date Analyzed: 2015-02-17
QC Preparation: 2015-02-16

Analyzed By: LM
Prepared By: PM

Parameter	F	C	Result	Units	Reporting Limits
Total Phosphorous		2,3,5,7,9	<0.00459	mg/L	0.00459

Method Blank (1)

QC Batch: 119584
Prep Batch: 101134

Date Analyzed: 2015-02-24
QC Preparation: 2015-02-24

Analyzed By: CF
Prepared By: CF

Parameter	F	C	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		2,3,7,9	<1.80	mg/L	1.8

Duplicates

Duplicate (1) Duplicated Sample: 386450

QC Batch: 119333
Prep Batch: 100920

Date Analyzed: 2015-02-12
QC Preparation: 2015-02-12

Analyzed By: MC
Prepared By: MC

Param	F	C	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids		1,4,6	3900	4160	mg/L	1	6	10

Laboratory Control Spikes

Laboratory Control Spike (LCS-1)

QC Batch: 119333
Prep Batch: 100920

Date Analyzed: 2015-02-12
QC Preparation: 2015-02-12

Analyzed By: MC
Prepared By: MC

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids		1,4,6	1000	mg/L	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	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: 119364
Prep Batch: 100944

Date Analyzed: 2015-02-13
QC Preparation: 2015-02-12

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,9	23.8	mg/L	1	25.0	0.71	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	RPD	RPD Limit
Chloride		2,3,5,7,9	23.9	mg/L	1	25.0	0.71	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: 119364
Prep Batch: 100944

Date Analyzed: 2015-02-13
QC Preparation: 2015-02-12

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,9	4.87	mg/L	1	5.00	<0.00274	97	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
Nitrate-N		2,3,5,7,9	5.07	mg/L	1	5.00	<0.00274	101	90 - 110	4	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119365
Prep Batch: 100945

Date Analyzed: 2015-02-12
QC Preparation: 2015-02-12

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,9	24.7	mg/L	1	25.0	0.652	96	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride		2,3,5,7,9	24.6	mg/L	1	25.0	0.652	96	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: 119365
Prep Batch: 100945

Date Analyzed: 2015-02-12
QC Preparation: 2015-02-12

Analyzed By: RL
Prepared By: RL

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,9	5.16	mg/L	1	5.00	<0.00274	103	90 - 110

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

Param	F	C	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate-N		2,3,5,7,9	5.18	mg/L	1	5.00	<0.00274	104	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: 119428
Prep Batch: 100966

Date Analyzed: 2015-02-17
QC Preparation: 2015-02-16

Analyzed By: LM
Prepared By: PM

Param	F	C	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Phosphorous		2,3,5,7,9	0.498	mg/L	1	0.500	<0.00459	100	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	
Total Phosphorous		2,3,5,7,9	0.504	mg/L	1	0.500	<0.00459	101	85 - 115	1	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 119584
Prep Batch: 101134

Date Analyzed: 2015-02-24
QC Preparation: 2015-02-24

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	<1.80	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. Limit	RPD	RPD Limit	
Total Kjeldahl Nitrogen - N		2,3,7,9	46.2	mg/L	1	50.0	<1.80	92	82.3 - 115	5	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: 386453

QC Batch: 119364 Date Analyzed: 2015-02-13 Analyzed By: RL
Prep Batch: 100944 QC Preparation: 2015-02-12 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,9	3070	mg/L	100	2500	572	100	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Chloride		2,3,5,7,9	2960	mg/L	100	2500	572	96	80 - 120	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: 386453

QC Batch: 119364 Date Analyzed: 2015-02-13 Analyzed By: RL
Prep Batch: 100944 QC Preparation: 2015-02-12 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate-N		2,3,5,7,9	529	mg/L	100	500	26.1	100	80 - 120

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

Param	F	C	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Limit	RPD	RPD Limit	
Nitrate-N		2,3,5,7,9	517	mg/L	100	500	26.1	98	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: 386527

QC Batch: 119365 Date Analyzed: 2015-02-12 Analyzed By: RL
Prep Batch: 100945 QC Preparation: 2015-02-12 Prepared By: RL

Param	F	C	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride		2,3,5,7,9	303	mg/L	5	125	164	111	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		2,3,5,7,9	296	mg/L	5	125	164	106	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: 386527

QC Batch: 119365 Date Analyzed: 2015-02-12 Analyzed By: RL
Prep Batch: 100945 QC Preparation: 2015-02-12 Prepared By: RL

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Nitrate-N		2,3,5,7,9	28.4	mg/L	5	25.0	2.6	103	80 - 120

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

Param	F	C	MSD		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
			Result	Units							
Nitrate-N		2,3,5,7,9	26.7	mg/L	5	25.0	2.6	96	80 - 120	6	20

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

Matrix Spike (MS-1) Spiked Sample: 386940

QC Batch: 119428 Date Analyzed: 2015-02-17 Analyzed By: LM
Prep Batch: 100966 QC Preparation: 2015-02-16 Prepared By: PM

Param	F	C	MS		Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
			Result	Units					
Total Phosphorous		2,3,5,7,9	0.530	mg/L	1	0.500	<0.00459	106	75 - 125

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							
Total Phosphorous		2,3,5,7,9	0.526	mg/L	1	0.500	<0.00459	105	75 - 125	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: 386691

QC Batch: 119584 Date Analyzed: 2015-02-24 Analyzed By: CF
Prep Batch: 101134 QC Preparation: 2015-02-24 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	43.4	mg/L	1	50.0	<1.80	87	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	44.1	mg/L	1	50.0	<1.80	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-1)

QC Batch: 119364

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,9	mg/L	25.0	24.1	96	90 - 110	2015-02-13

Standard (CCV-1)

QC Batch: 119364

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,9	mg/L	5.00	5.03	101	90 - 110	2015-02-13

Standard (CCV-2)

QC Batch: 119364

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		2,3,5,7,9	mg/L	25.0	24.5	98	90 - 110	2015-02-13

Standard (CCV-2)

QC Batch: 119364

Date Analyzed: 2015-02-13

Analyzed By: RL

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		2,3,5,7,9	mg/L	5.00	5.10	102	90 - 110	2015-02-13

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		2,3,5,7,9	mg/L	5.00	5.03	101	90 - 110	2015-02-17

Standard (CCV-1)

QC Batch: 119428

Date Analyzed: 2015-02-17

Analyzed By: LM

Param	F	C	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Phosphorous		2,3,5,7,9	mg/L	5.00	4.79	96	90 - 110	2015-02-17

Standard (ICV-1)

QC Batch: 119584

Date Analyzed: 2015-02-24

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	2015-02-24

Standard (CCV-1)

QC Batch: 119584

Date Analyzed: 2015-02-24

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	4.76	95	85 - 115	2015-02-24

Limits of Detection (LOD)

Test	Method	Matrix	Instrument	Analyte	Spike Amount	Pass
Chloride (IC)	E 300.0	water	Dionex IC	Chloride	0.400	Pass
NO3 (IC)	E 300.0	water	Dionex IC	Nitrate-N	0.0300	Pass
P, Total	S 6010C	water	PE 8300	Total Phosphorous	0.100	Pass
TDS	SM 2540C	water	N/A	Total Dissolved Solids	0.00	-
TKN	SM 4500-NH3 B,C	water	N/A	Total Kjeldahl Nitrogen - N	5.00	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	PJLA	L14-103	El Paso
2	PJLA	L14-93	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	T104704219-14-10	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.

(15021135)

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 #: 461595
Project Name: Organ Dairy
Sampler Signature: *JWB*
Project Location (including state): Organ Dairy, 12560 Stern Drive, Mesquite, NM
Organ Dairy (Former Del Norte), P.O. Box 130, Mesilla Park, NM 871
Linda Armstrong 575-233-3620

LAB #	Field Code	# Containers	Volume/Amount	MATRIX			PRESERVATIVE METHOD				Sampling		
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICF	NONE	DATE
386 453-1	126-4	1	250	X				X				2-11-15	10:50
1-2	126-4	1	250	X				X				2-11	10:50
454-1	126-5	1	250	X				X				2-11	11:04
1-2	126-5	1	250	X				X				2-11	11:04
455-1	126-7	1	250	X				X				2-11	10:12
456-2	126-7	1	250	X				X				2-11	10:12
456-1	126-9	1	250	X				X				2-11	9:25
1-2	126-9	1	250	X				X				2-11	9:25
420-10	126-10	1	250	X				X				2-11	10:57
420-12	126-12	1	250	X				X				2-11	10:57
420-13	126-13	1	250	X				X				2-11	10:57
420-14	126-14	1	250	X				X				2-11	10:57
386 457-1	126 Lagoon	1	250	X				X				2-11	9:57
-2	126 Lagoon	1	250	X				X				2-11	9:57
-3	126 Lagoon	1	250	X				X				2-11	9:57

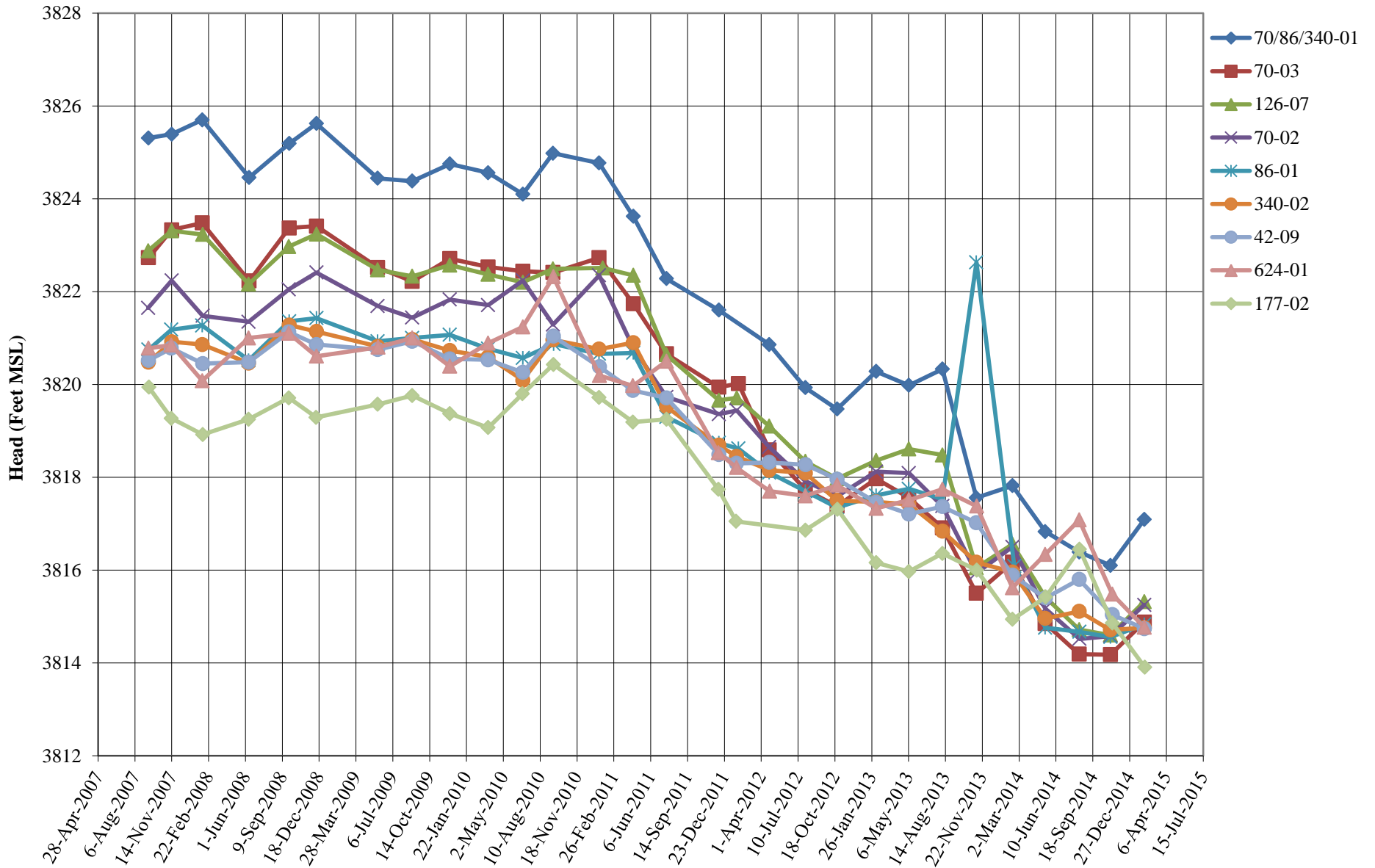
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 Relinquished By: *MML* Date: 2-11-15 Time: 16:30
 Received By: *MML TAEP* Date: 2-11-15 Time: 14:30
 Received at Laboratory By: *BCJA* Date: 2-12-15 Time: 9:15
 Lab Use Only: Intact N Headspace Y N Temp *SR* 3 Log-in Review *DDH 2/11/15 5:1*

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	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Phosphorus SM 4500	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		

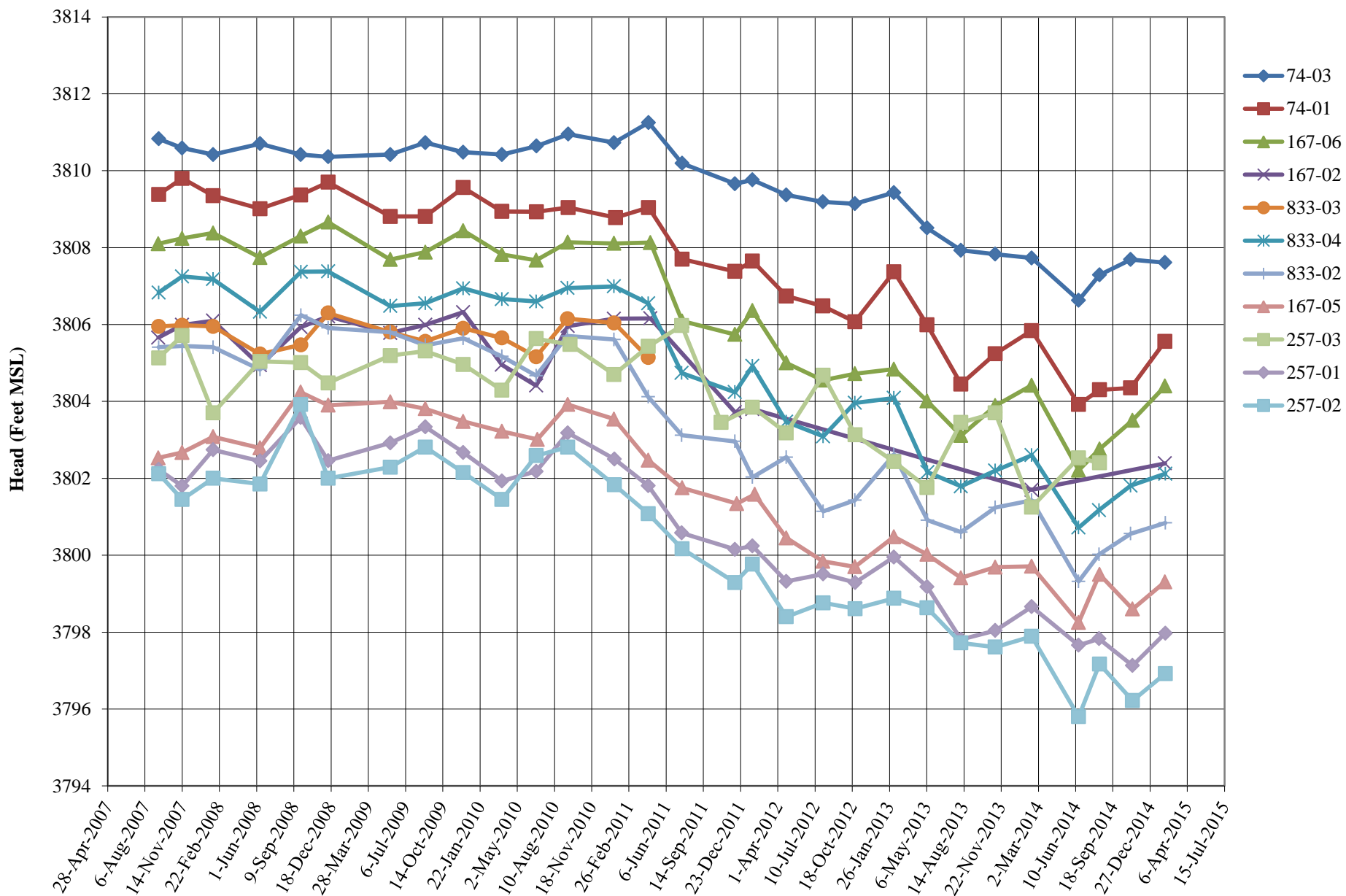
Remarks: *mml*
 Dry Weight Basis Required
 TRRP Report Required
 Carry In
 MML 2/11/15 LS 491 70919

**APPENDIX C
HYDROGRAPHS**

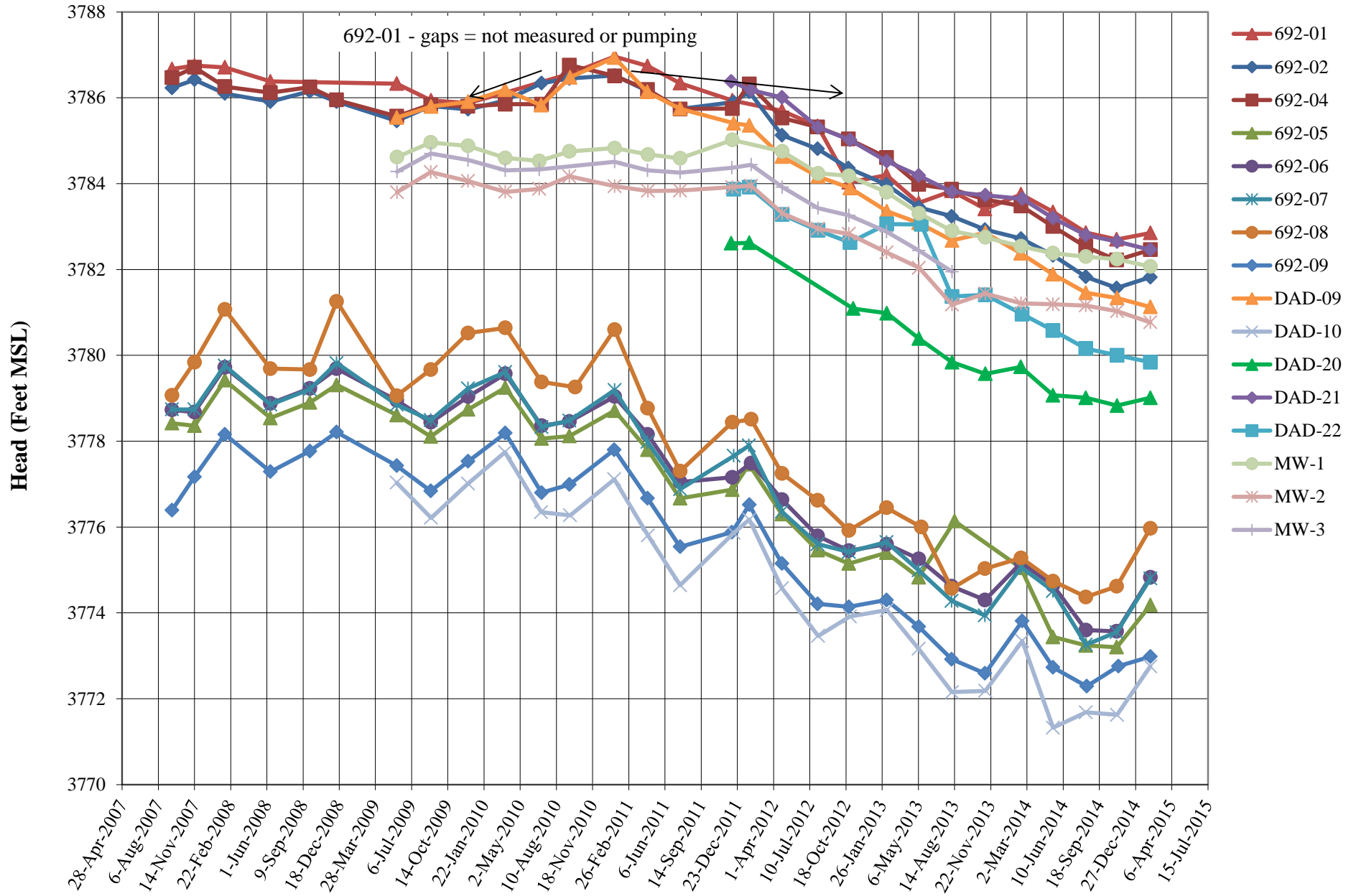
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DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



HYDROGRAPHS FOR SELECT DP MONITORING WELLS CENTRAL PORTION DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

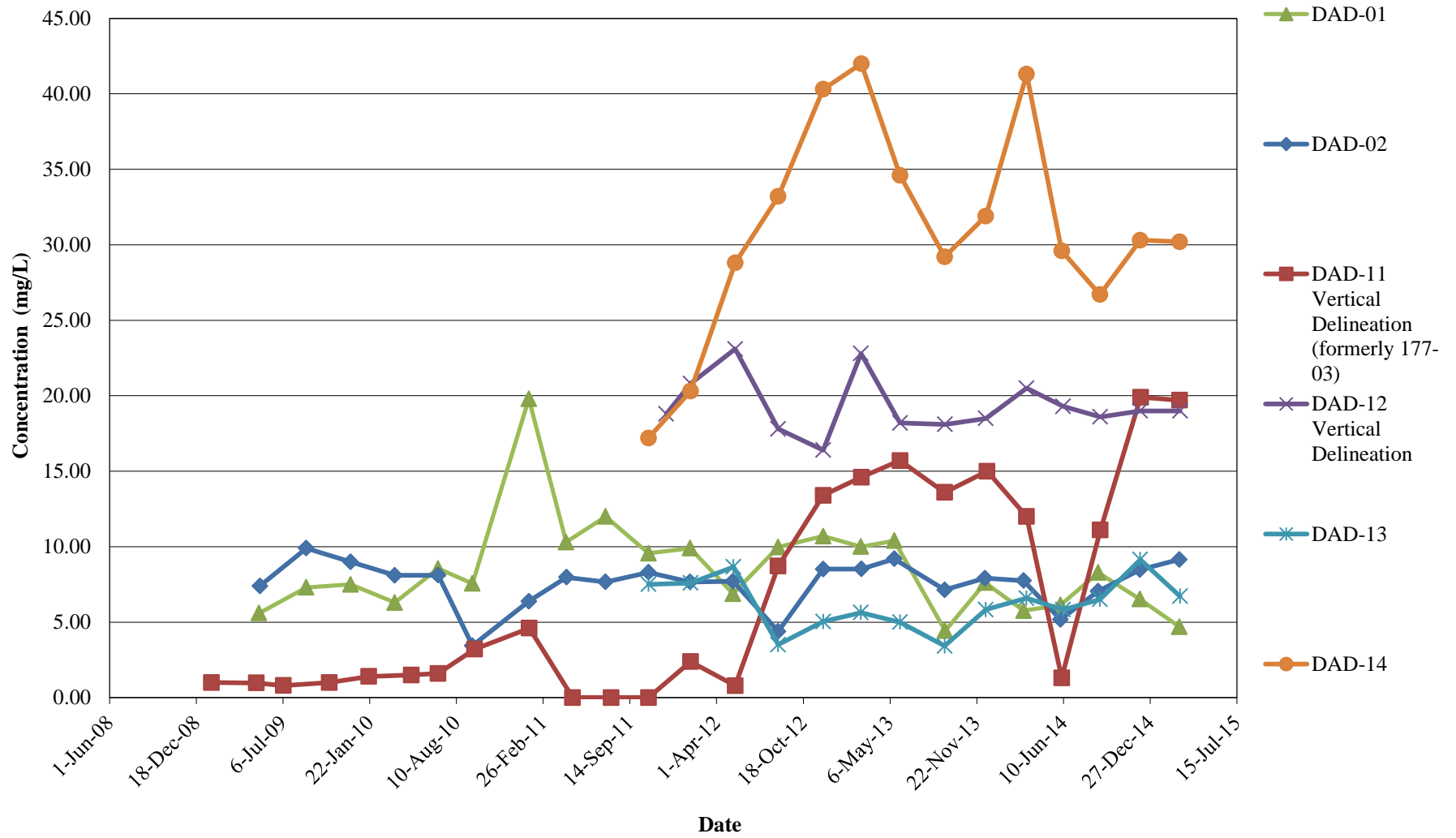


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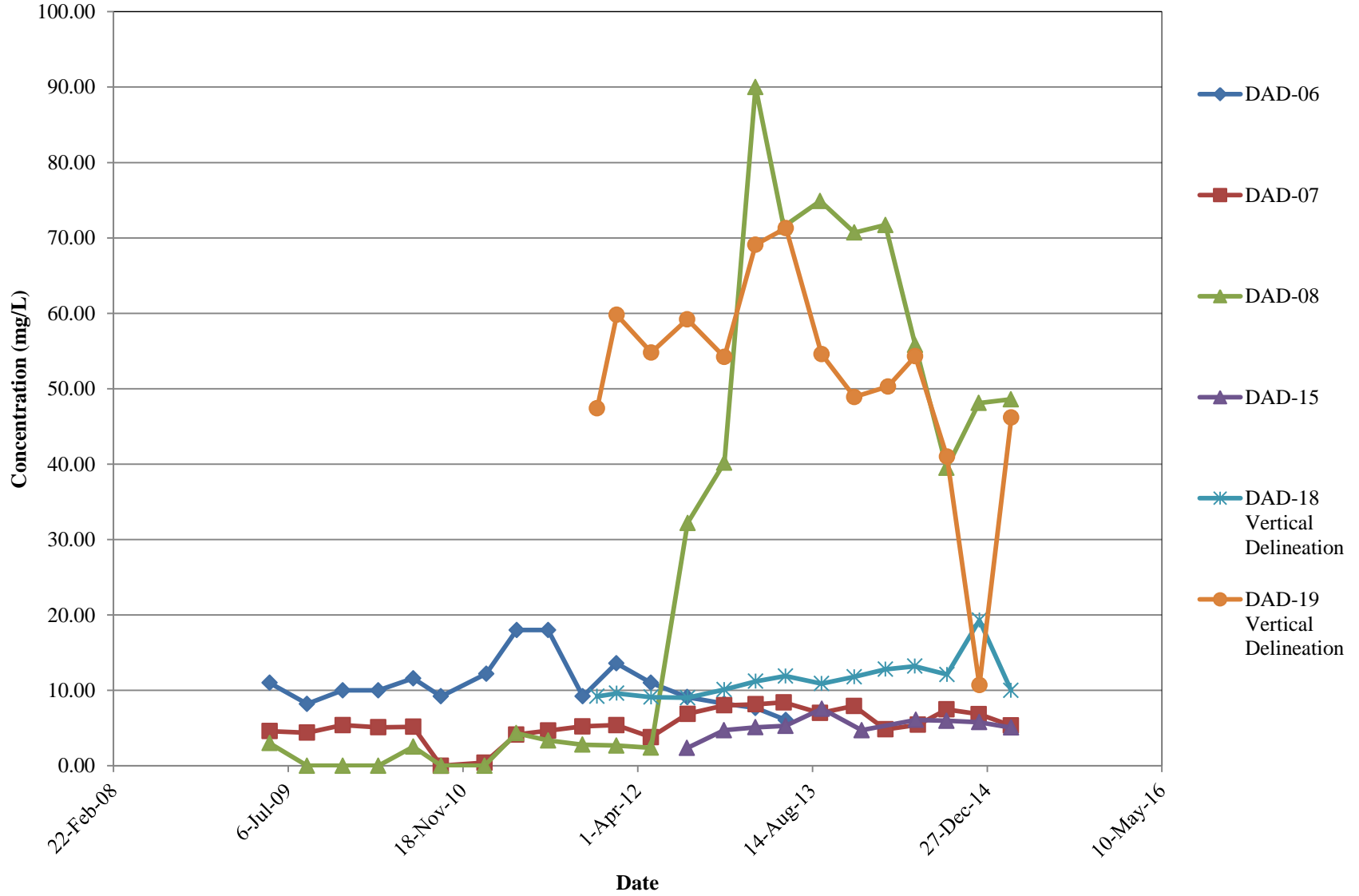


**APPENDIX D
CONCENTRATION TRENDS**

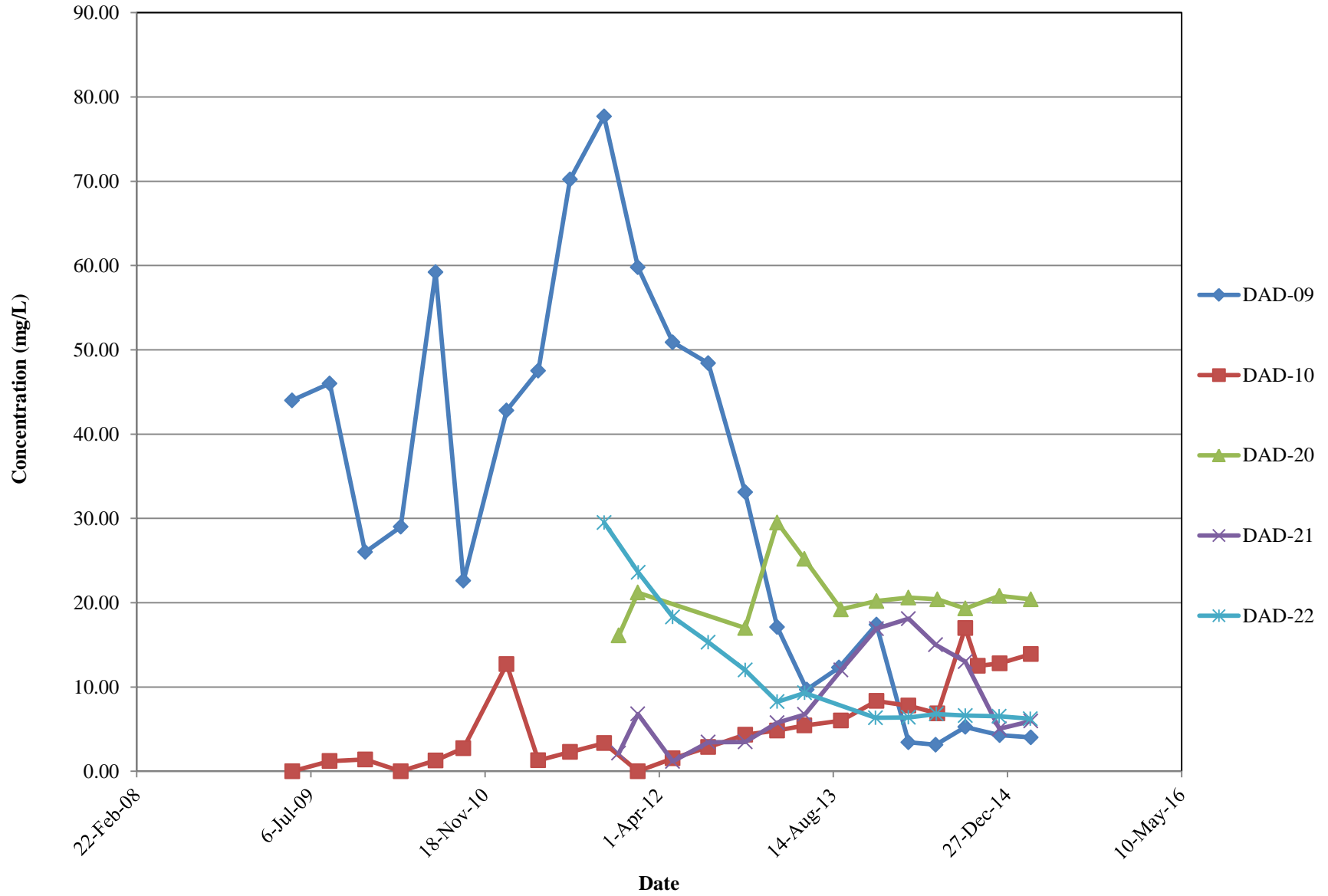
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IN SELECT NORTHERN DAD MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



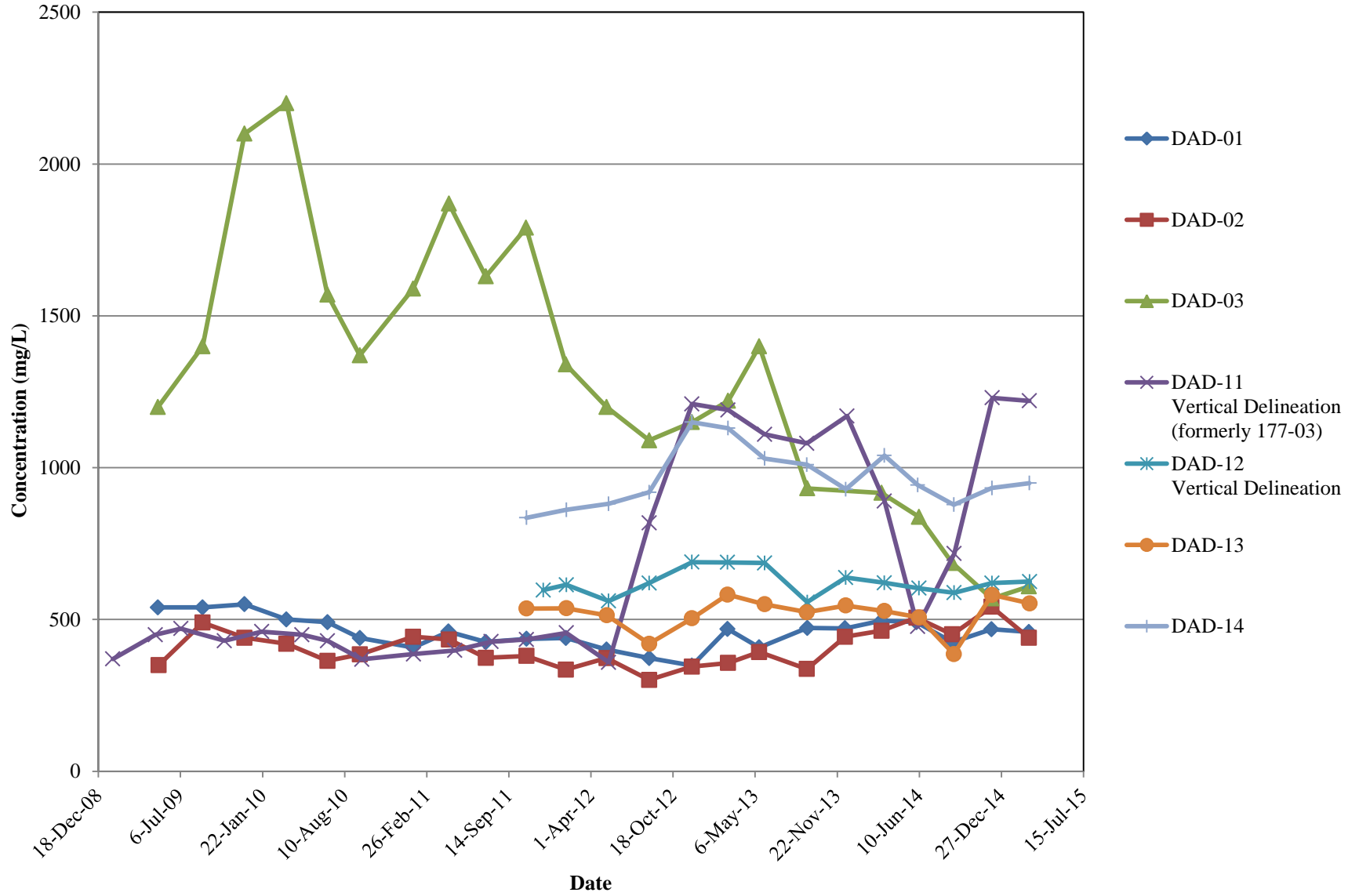
**NITRATE CONCENTRATION TRENDS
IN SELECT CENTRAL DAD WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



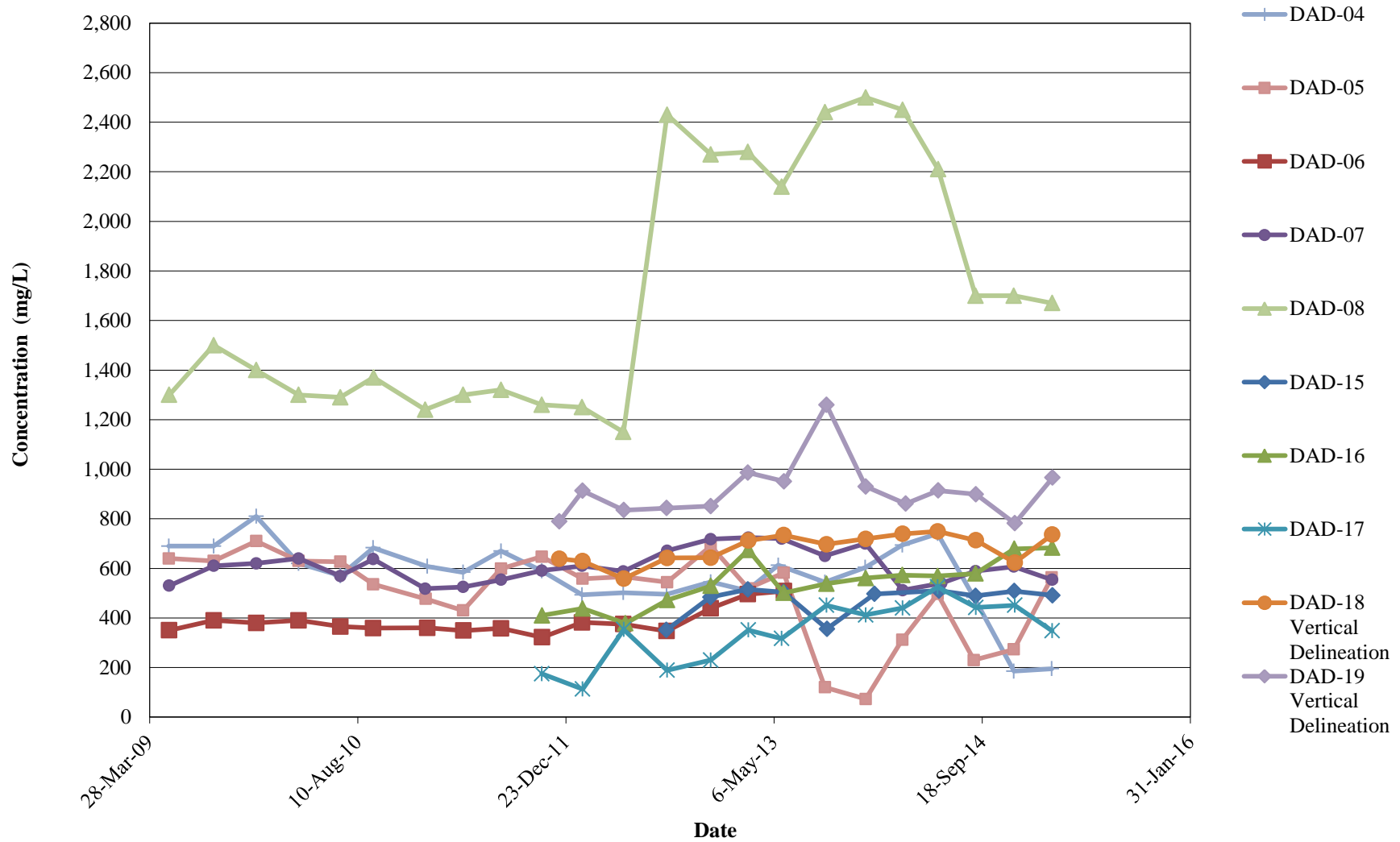
**NITRATE CONCENTRATION TRENDS
IN SELECT SOUTHERN DAD WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**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**

