



EA Engineering, Science, & Technology, Inc.
320 Gold Avenue SW, Suite 1210
Albuquerque, New Mexico 87102
Phone: (505) 224-9013 Fax (505) 224-9016

January 5, 2011

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

Dear Mr. Montes and Whitman:

On behalf of Dona Ana Dairies, Inc., EA Engineering, Science, and Technology, Inc. is submitting this Quarterly Groundwater Monitoring Report for Dona 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 Dona Ana Dairies.

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

Sincerely,

A handwritten signature in black ink that reads 'Teri McMillan'. The signature is fluid and cursive, with the first name 'Teri' being more prominent.

Teri McMillan
Project Manager

A handwritten signature in blue ink that reads 'Jay Snyder'. The signature is very fluid and cursive, with the first name 'Jay' being more prominent.

Jay Snyder
Senior Hydrogeologist

Enclosure

Cc: Linda Armstrong, Dona Ana Dairies
File



QUARTERLY MONITORING REPORT
DONA ANA DAIRIES
MESQUITE, NEW MEXICO

Prepared for:

Dona Ana Dairies
Mesquite, New Mexico

Prepared by:

EA Engineering, Science,
and Technology, Inc.
320 Gold Avenue SW, Suite 1210
Albuquerque, New Mexico 87102

January 2011

EA Project No. 1464101.0004



320 Gold Avenue SW, Ste.1210
Albuquerque, NM 87102
Telephone: 505-224-9013
Fax: 505-224-9016

EA Project No. 1464101.0004

Quarterly Groundwater Monitoring Report
Dona Ana Dairies
Mesquite, New Mexico

Prepared for:

Dona Ana Dairies
Mesquite, New Mexico

Prepared by:

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

Teri McMillan
Project Manager

January 5, 2011

Date

Jay Snyder
Senior Hydrogeologist

January 5, 2011

Date

January 2011

TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION.....	1
1.1 Objective.....	1
1.2 Background.....	1
2.0 GROUNDWATER MONITORING ACTIVITIES	3
2.1 Well Gauging.....	3
2.2 Groundwater Sampling.....	3
3.0 GROUNDWATER MONITORING RESULTS.....	4
3.1 Hydraulic Gradient and Direction of Groundwater Flow	4
3.2 Groundwater Analytical Results.....	4
4.0 CONCLUSION AND RECOMMENDATIONS.....	6
5.0 REFERENCES.....	7

LIST OF TABLES

Table 1	Summary of Monitoring Well Fluid Gauging Data
Table 2	Summary of Drain Gauging Data
Table 3	Summary of Sample Analytical Methods and Collection Requirements
Table 4	Abatement Plan Monitoring Well Groundwater Analytical Results
Table 5	Discharge Plan Monitoring Well Groundwater Analytical Results

LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Potentiometric Surface Map, September 2010, Northern Portion
Figure 3	Potentiometric Surface Map, September 2010, Central Portion
Figure 4	Potentiometric Surface Map, September 2010, Southern Portion, Regional Aquifer
Figure 5	Potentiometric Surface Map, September 2010, Southern Portion, Perched Aquifer
Figure 6	Groundwater Analytical Results, September 2010, Northern Portion
Figure 7	Groundwater Analytical Results, September 2010, Central Portion
Figure 8	Groundwater Analytical Results, September 2010, Southern Regional Aquifer
Figure 9	Groundwater Analytical Results, September 2010, Southern Shallow Aquifer

LIST OF APPENDICES

Appendix A	Sampling Field Forms
Appendix B	Analytical Laboratory Reports
Appendix C	Hydrographs
Appendix D	Concentration Trends

1.0 INTRODUCTION

On behalf of Dona Ana Dairies (Dairies), EA Engineering, Science, and Technology, Inc. (EA) has prepared this Quarterly Monitoring Report for Dona Ana Dairies located south of Las Cruces, New Mexico. The report was completed in accordance with the *Stage 1 and 2 Abatement Plan Proposal and Sampling and Analysis Plan, Dona Ana Dairies, Dona Ana County, New Mexico* dated December 11, 2006 and August 11, 2008, respectively and in addition a 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 objectives 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 objectives of the monitoring program, and included:

- On September 16, 2010, a representative from EA assisted D & H Petroleum and Environmental Services, Inc. (D & H) in locating and gauging all abatement plan (AP) monitoring wells and Mesquite Drain locations. The EA representative also helped D & H to locate some of the discharge plan (DP) monitoring well locations in addition to overseeing D & H's sampling and decontamination procedures.
- D & H continued to gauge water levels and collect groundwater samples from the ten (10) AP wells (DAD-01 through DAD-10) and each Dairy DP monitoring wells from September 16, 2010 through October 1, 2010. The samples collected were analyzed by Trace Analysis Inc. for nitrate/nitrite and chloride using 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 are compiled into this Quarterly Groundwater Monitoring Report.

1.2 Background

In April 7, 2006, correspondence, NMED required a Stage 1 Abatement Plan for 13 dairies in Dona 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 have reached agreement to work as a group and submit a joint response to NMED's request (Dona Ana Dairies, 2006).

On December 11, 2006, on behalf of the Dona 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 Dona 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) (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. Quarterly groundwater monitoring is currently being conducted.

2.0 GROUNDWATER MONITORING ACTIVITIES

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

2.1 Well Gauging

On September 14 through September 17, 2010, representatives from D& H and EA, gauged the DP and AP monitoring wells, and drain locations at the Dairies and Anthony Waste Water Treatment Plant with an electronic water level indicator. Tables 1 and 2 provide a summary of the groundwater gauging data collected from the monitoring network. Potentiometric surface maps were constructed based on the September 2010 gauging data (Figures 2, 3, 4, and 5).

2.2 Groundwater Sampling

On September 16 and 17, 2010, D & H sampled monitoring wells DAD-01 through DAD-10 with disposable bailers. 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. The DP wells were sampled between September 17, 2010 and October 1, 2010. Prior to sampling, the DP wells were purged three well volumes by hand-bailing with a new disposable bailer per well. Likewise, monitoring wells were purged three well volumes prior to sample collection either by hand-bailing with a new disposable bailer or with a pump and new polyethylene tubing. Field parameters including specific conductance, pH, and temperature were monitored and recorded on all monitoring well sampling field forms. The meter was calibrated and/or checked standards in accordance with manufacturer's specifications prior to use. Purge water was ground discharged. Copies of the field forms are included in Appendix A.

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 new 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 3. 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 9.26 to 127.38 feet below top of casing. Groundwater is 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 the monitoring well and drain network and are provided in Appendix C.

The groundwater flow direction throughout the northern, central portion and the southern regional aquifer of the Dairies was toward the east-southeast, whereas the gradient in the southern perched aquifer of the Dairies near Anthony, New Mexico flows south. The hydraulic gradient within the northern and central portions ranges from 0.5 to 1.0 feet per thousand (0.0005 to 0.001 foot per foot) and relatively flat, which is likely the result of local groundwater pumping in the Mesilla Valley. In the past, the regional aquifer groundwater flow direction has been generally south-southeast in the northern and central portions of the abatement plan area but increased groundwater pumping has resulted in a shift in the gradient. Groundwater flow direction in the perched aquifer at Del Oro Dairy is toward the south with a hydraulic gradient of approximately 2 feet per thousand and clearly differentiated from the regional aquifer (hydraulic gradient approximates 1.0 feet per thousand) for the southern portion of the abatement plan area (See hydrographs presented in Appendix C).

3.2 Groundwater Analytical Results

Groundwater analyte concentrations were below the NMWQCC standards for nitrate in all DAD monitoring wells, except DAD-09. Chloride and TDS concentrations continue to exceed their respective NMWQCC standards in all ten abatement wells, except DAD-09. The nitrate concentration in DAD-09 decreased from 59.2 mg/l to 22.6 mg/l compared to the last sampling event and is more in line with concentrations measured for this well in past monitoring events. Compared to the last three monitoring events, levels in well DAD-06 decreased to just below the NMWQCC standard for nitrate with a concentration of 9.20 mg/l. Chloride concentrations ranged from 204 mg/l (below the NMWQCC standard) in DAD-09 to 1,370 mg/l in DAD-03 with corresponding TDS values ranging from 1,070 mg/l in DAD-09 to 4,320 mg/l in DAD-03. The TDS concentration decreased nearly 20 % in nine of the ten DAD wells sampled this quarter compared to last quarter with a near 50 % decrease in wells DAD-08 and DAD-09. Table 4 summarizes the analytical laboratory results found in Appendix B for the AP monitoring wells. Nitrate and chloride concentration trends for select DAD wells are presented in Appendix D.

Discharge plan groundwater analytical results are summarized in Table 5. Groundwater samples were obtained within a two week period at the end of September, 2010. These data were combined with the analytical data collected from the ten AP monitoring wells and are plotted on Figures 7, 8, 9 and 10. 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-02 with a nitrate concentration of 3.44 mg/l. The upgradient well (northern land application well 86/340-1) had a nitrate concentration of 11.8 mg/l, which just exceeds the NMWQCC standard for nitrate. Whereas, the eastern cross-gradient wells at former D&J Dairy lagoon (42-10, 42-11, and 42-12) and DAD-01 have nitrate concentrations below the standard. The western delineating cross-gradient well Dominguez 624-04 had nitrate concentrations of 6.0 mg/l.

The chloride and TDS concentrations are above standards in all wells sampled within the northern portion, except Dominguez well 624-08 where the chloride concentration remains below the standard. As in past monitoring events, both chloride and TDS concentrations upgradient (in well 86/340-1) of the Dairies are above NMWQCC standards at 331 mg/l and 2,060 mg/l, respectively.

Central Portion

The dissolved phase nitrate plume within the central portion of the site remains defined. Nitrate concentrations decreased slightly in most of the wells except for Big Sky wells (DP 833) whereby nitrate concentrations increased compared to the previous monitoring event in June 2010.

Again, chloride and TDS concentrations are above standards in all wells within the central portion. The highest chloride and TDS concentrations were observed near the up-gradient well DAD-03 and in Buena Vista Dairy II well 74-03 with concentrations of 1,490 mg/l and 4,840 mg/l, respectively.

Southern Portion

Nitrate is present within both the regional and perched aquifers in the southern portion of the Dairies. Del Oro Dairy well 692-07 appears to have been completed and screened across both aquifers, which may explain the elevated nitrate concentrations in this well. Wells completed within the regional aquifer downgradient of Del Oro well 692-07 are below NMWQCC standards for nitrate with the exception of well 692-09 which has a nitrate concentration of 15.0 mg/l. In the shallow perched aquifer the nitrate plume is not defined downgradient (southwest). Nitrate concentrations were similar to the last monitoring event. The highest nitrate concentration was observed in the perched aquifer Del Oro well 692-01 with a concentration of 222 mg/l and similar to the last monitoring event.

Chloride and TDS concentrations are above NMWQCC standards in the southern portion. Upgradient well Del Oro 692-08 has a chloride concentration of 386 mg/l and a TDS concentration of 1,390 mg/l. The highest chloride and TDS concentrations are reported, as in the past, in the two perched aquifer wells 692-01 and 692-02.

4.0 CONCLUSION AND RECOMMENDATIONS

The groundwater monitoring event included the gauging of all DP and DAD wells and drain crossings, and sampling of ten DAD wells in addition to the DP wells. Based on the data collected the following conclusions and recommendations are presented:

- The depth to groundwater at the site ranges from 9.26 to 127.38 feet below the top of casing.
- The groundwater flow direction at the Dairies within the regional groundwater aquifer is east-southeast. The hydraulic gradient is low.
- The perched groundwater aquifer at Del Oro Dairy has a groundwater flow direction toward the south.
- Nitrate was below the NMWQCC standard in groundwater samples collected from all the AP DAD wells, except DAD-09. The nitrate concentration decreased substantially in DAD-09 and are more in line with previous measurements.
- Chloride and TDS were above NMWQCC standards in all monitoring wells except Dominguez well 624-08 for chloride.
- Chloride and TDS are above standards in wells upgradient of the northern, central, and southern portions at the Dairies. Chloride and TDS are regionally elevated above standards and not necessarily attributed to by the Dairies.
- The northern and central nitrate plumes appear to be well delineated with nitrate concentrations trending slightly downward.
- The southern portion (Del Oro Dairy) still requires definition to the south-southwest for the perched or water table aquifer.

For this monitoring event, the Dairies procured a new single sampling service and a single analytical laboratory for all AP and DP monitoring to ensure consistency for all groundwater sampling, laboratory methodology and reporting, and a common schedule for AP and DP monitoring. Fewer errors and/or suspect data were identified in both the laboratory data and gauging measurements made this monitoring period compared to the last monitoring event yet timely dissemination of the data and consistency in data deliverables was somewhat problematic this quarter.

5.0 REFERENCES

- Dona 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, Dona 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 Dona Ana Dairies. December 11.
- Golder 2008a. Existing Data Report and Conceptual Work Plan, Dona Ana Dairies, Mesquite, New Mexico. February 1.
- Golder 2008b. Conceptual Work Plan. Dona Ana Dairies, Mesquite, New Mexico. February 1.
- Golder 2008c. Notes for the Meeting Regarding New Monitoring Well Installation. Meeting Participants: Dona Ana Dairy representative, DAD technical representatives, and NMED staff. July 28.
- Golder 2008d. Sampling and Analysis Plan. Dona Ana Dairies, Mesquite, New Mexico. August 11.
- New Mexico Environment Department. 2008. Conditional Approval of Stage 1 Abatement Plan for Dona Ana Dairies. Letter from Mr. Bill Olson, Chief, Ground Water Quality Bureau, to Mr. Weatherly, Dona Ana Dairies. June 16.
- New Mexico Environment Department. 2008. Approval of Sampling and Analysis Plan for the Dona Ana Dairies, Stage 1 Abatement Plan, Dona 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	14-Sep-2010	424580.78	1510233.88	3871.43	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	14-Sep-2010	427320.92	1508461.05	3866.77	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				
86/340-01	14-Sep-2010	432021.33	1503216.90	3876.14	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				
Former Daybreak Dairy (Del Norte Dairy)						
126-04	14-Sep-2010	423258.23	1510546.24	3850.31	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				

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 Daybreak Dairy (Del Norte Dairy) Continued						
126-05	14-Sep-2010	422293.26	1510649.84	3842.62	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	14-Sep-2010	423613.62	1509986.47	3850.94	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				
126-09	14-Sep-2010	425154.15	1510994.31	3893.35	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	16-Sep-2010	421492.11	1510198.45	3838.88	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
Former Daybreak Dairy (Del Norte Dairy) Continued						
126-13	14-Sep-2010	423431.96	1510657.41	3857.37	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	14-Sep-2010	423303.43	1510585.63	3851.84	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				
70-02	14-Sep-2010	423412.73	1511192.51	3861.25	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				
Buena Vista Dairy I						
86-01	16-Sep-2010	421534.62	1511667.76	3864.96	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				

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 - Continued						
86-02	16-Sep-2010	421792.08	1510881.53	3848.08	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				
Bright Star Dairy						
340-01	14-Sep-2010	421410.13	1511423.42	3858.48	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	14-Sep-2010	420641.08	1512051.57	3869.76	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				
Former D&J Dairy (Dominguez 2)						
42-02	15-Sep-2010	419982.45	1511126.19	3844.69	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				

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) Continued						
42-03	15-Sep-2010	419710.55	1514064.35	3898.46	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				
42-06	15-Sep-2010	420021.61	1511465.15	3850.15	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	15-Sep-2010	420584.8	1513076.66	3891.52	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				
42-08	15-Sep-2010	419994.93	1511197.91	3846.53	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				

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) Continued						
42-09	15-Sep-2010	419729.17	1512255.76	3865.25	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				
42-10	15-Sep-2010	421426.39	1514460.4	3929.28	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	15-Sep-2010	420693.98	1515270.32	3939.31	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				
42-12	15-Sep-2010	420972.09	1515423.88	3945.83	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				

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) Continued						
42-13	15-Sep-2010	419734.06	1512534.42	3873.10	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				
Dominguez Dairy						
624-01	15-Sep-2010	418826.21	1512131.46	3843.72	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	20-Sep-2010	417335.25	1512201.42	3835.45	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				
624-04	15-Sep-2010	418542.24	1508104.07	3835.69	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				

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 Continued						
624-05	15-Sep-2010	419777.52	1509829.65	3835.27	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				
624-06	21-Sep-2010	418502.42	1513981.08	3868.18	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	15-Sep-2010	418012.23	1514707.77	3872.25	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				
624-08	14-Sep-2010	421461.78	1507712.04	3838.70	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				

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
Gonzalez Dairy						
177-01	15-Sep-2010	417300.94	1512942.63	3834.27	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				
177-02	15-Sep-2010	416738.21	1513246.51	3834.66	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				
177-03	15-Sep-2010	416211.35	1513814.71	3835.90	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				
177-04	15-Sep-2010	416796.99	1513733.28	3840.33	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				

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
Gonzalez Dairy Continued						
177-05	15-Sep-2010	417302.42	1514116.55	3852.16	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				
177-06	15-Sep-2010	417301.84	1514765.63	3866.02	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				
177-07	15-Sep-2010	415258.95	1515471.64	3859.96	Dry	Dry
	23-Jun-2010				Dry	Dry
	22-Mar-2010				Dry	Dry
	8-Dec-2009				Dry	Dry
	10-Dec-2008				Dry	Dry
	27-Sep-2008				Dry	Dry
	10-Jun-2008				Dry	Dry
	6-Feb-2008				Dry	Dry
	13-Nov-2007				Dry	Dry
	13-Sep-2007				Dry	Dry
CENTRAL AREA						
Buena Vista Dairy II						
74-01	16-Sep-2010	405434.93	1519310.15	3841.01	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

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 II Continued						
74-02	16-Sep-2010	404574.08	1519035.52	3820.58	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				
74-03	16-Sep-2010	407163.61	1516711.72	3823.36	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	16-Sep-2010	405488.65	1519864.48	3853.17	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
74-05	16-Sep-2010	404747.71	1519885.3	3845.35	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

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
River Valley Dairy						
167-01	15-Sep-2010	402518.37	1518459.71	3818.94	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
167-01A	15-Sep-2010	402518.18	1518936.72	3818.88	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	15-Sep-2010	402498.3	1519354.81	3819.64	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				
167-03	15-Sep-2010	402981.73	1519415.73	3825.66	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				

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
River Valley Dairy Continued						
167-04	15-Sep-2010	402032.19	1519884.6	3827.60	Well Damaged	
	22-Jun-2010					
	22-Mar-2010					
	8-Dec-2009					
	28-Aug-2009				21.57	-21.57
	26-May-2009				21.60	-21.60
	10-Dec-2008				21.01	-21.01
	27-Sep-2008				21.01	-21.01
	10-Jun-2008				22.20	-22.20
	5-Feb-2008				21.51	-21.51
	14-Nov-2007				21.44	-21.44
11-Sep-2007	21.68	-21.68				
167-05	15-Sep-2010	397947.44	1520446.03	3815.44	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	15-Sep-2010	404479.35	1519603.88	3834.84	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				
167-07	15-Sep-2010	402562.23	1518480.34	3819.08	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				

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
River Valley Dairy Continued						
167-08	15-Sep-2010	399352.96	1519889.65	3817.96	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
167-09	15-Sep-2010	398473.95	1519259.34	3817.00	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	14-Sep-2010	399617.23	1521136.33	3839.55	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
833-02	14-Sep-2010	401200.32	1520639.92	3836.04	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

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
Big Sky Dairy Continued						
833-03	14-Sep-2010	401392.09	1521955.23	3867.06	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				
833-04	14-Sep-2010	402898.52	1520659.33	3845.79	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	14-Sep-2010	399712.39	1522374.73	3865.51	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
833-06	14-Sep-2010	402219.48	1522652.04	3878.20	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

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
Big Sky Dairy Continued						
833-07	14-Sep-2010	399298.8	1522082.75	3860.70	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				
833-08	14-Sep-2010	400535.64	1521938.23	3861.76	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	15-Sep-2010	398280.67	1520918.52	3826.27	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				
833-10	15-Sep-2010	396715.89	1520283.6	3820.76	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	15-Sep-2010	395856.31	1520572.16	3820.33	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
Sunset/Desert Land Dairy Continued						
257-02	15-Sep-2010	394728.34	1521030.29	3813.67	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	21-Sep-2010	397935.69	1518746.14	3814.74	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				
257/260-01	15-Sep-2010	397678.36	1519948.22	3814.04	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	15-Sep-2010	388741.02	1523777.06	3808.92	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	10-Jun-2008	NM	NM	NM	Destroyed	
	5-Feb-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	15-Sep-2010	373615.88	1531529.38	3844.13	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	15-Sep-2010	372984.72	1531192.1	3840.84	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
692-04	15-Sep-2010	372982.53	1531555.21	3842.66	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	15-Sep-2010	374807.26	1532403	3854.26	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
Del Oro Dairy Continued						
692-06	15-Sep-2010	375054.77	1532411.83	3856.48	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	15-Sep-2010	374944.88	1532019.81	3848.20	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				
692-08	1-Oct-2010	375535.69	1531378.09	3843.09	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	15-Sep-2010	373575.83	1532395.09	3856.32	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	15-Sep-2010	372097.86	1532364.36	3843.03	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	15-Sep-2010	NM	NM	3843.25	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
MW-3	15-Sep-2010	NM	NM	3841.24	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						
Abatement Plan Monitor Wells						
DAD-01	16-Sep-2010	422970.59	1512825.76	3886.16	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
DAD-02	16-Sep-2010	413002.98	1517319.93	3875.82	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	16-Sep-2010	407721.31	1516497.85	3820.58	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
DAD-04	16-Sep-2010	404576.66	1517413.28	3821.47	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	16-Sep-2010	396712.87	1519102.06	3816.01	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
Abatement Plan Monitor Wells Continued						
DAD-06	16-Sep-2010	404273.19	1522081.00	3887.71	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	16-Sep-2010	399270.18	1524320.88	3891.38	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
DAD-08	17-Sep-2010	395287.38	1522575.07	3849.15	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	17-Sep-2010	373259.30	1530905.70	3838.03	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
DAD-10	17-Sep-2010	372980.55	1532375.33	3854.93	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

Notes:

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

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

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

^d Measured in feet

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

Wells were gauged on a different date by EnviroCompliance Inc.

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

TABLE 2. SUMMARY OF DRAIN GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Reference Point Elevation ^b	Depth to Water ^c	Groundwater Elevation ^b
DX1	14-Sep-2010	424166.25	1505650.06	3841.14	5.46	3835.68
	24-Jun-2010				5.30	3835.84
	22-Mar-2010				Dry	Dry
	8-Dec-2009				Dry	Dry
	28-Aug-2009				3.88	3837.26
	27-May-2009				4.98	3836.16
	11-Dec-2008				Dry	Dry
	28-Sep-2008				4.50	3836.64
	10-Jun-2008				5.00	3836.14
	6-Feb-2008				Dry	Dry
	18-Nov-2007				Dry	Dry
	27-Oct-2007				Dry	Dry
13-Sep-2007	NM	NM				
DX1w	14-Sep-2010	424185.98	1505134.10	3833.91	5.79	3828.12
	24-Jun-2010				6.29	3827.62
	22-Mar-2010				Dry	Dry
	8-Dec-2009				Dry	Dry
	28-Aug-2009				5.43	3828.48
	27-May-2009				6.25	3827.66
	11-Dec-2008				5.79	3828.12
	28-Sep-2008				5.50	3828.41
	10-Jun-2008				6.38	3827.53
	6-Feb-2008				Dry	Dry
	18-Nov-2007				5.48	3828.43
	27-Oct-2007				5.58	3828.33
13-Sep-2007	0.80	3833.11				
DX2	14-Sep-2010	424132.59	1503432.16	3845.54	Dry	Dry
	24-Jun-2010				9.03	3836.51
	22-Mar-2010				Dry	Dry
	8-Dec-2009				NM	NM
	28-Aug-2009				10.40	3835.14
	27-May-2009				9.68	3835.86
	11-Dec-2008				NM	NM
	28-Sep-2008				NM	NM
	10-Jun-2008				NM	NM
	6-Feb-2008				Dry	Dry
	18-Nov-2007				Dry	Dry
	27-Oct-2007				Dry	Dry
13-Sep-2007	5.00	3840.54				
DX3	15-Sep-2010	407227.41	1516041.38	3817.20	6.20	3811.00
	23-Jun-2010				7.21	3809.99
	22-Mar-2010				7.15	3810.05
	8-Dec-2009				7.27	3809.93
	28-Aug-2009				6.85	3810.35
	27-May-2009				7.92	3809.28
	11-Dec-2008				7.46	3809.74
	28-Sep-2008				7.24	3809.96
	10-Jun-2008				6.63	3810.57
	6-Feb-2008				7.17	3810.03
	18-Nov-2007				7.19	3810.01
	27-Oct-2007				7.10	3810.10
13-Sep-2007	0.70	3816.50				
DX4	15-Sep-2010	407211.53	1514313.56	3824.28	5.00	3819.28
	23-Jun-2010				1.00	3823.28
	22-Mar-2010				Dry	Dry
	8-Dec-2009				NM	NM
	28-Aug-2009				2.20	3822.08
	27-May-2009				1.72	3822.56
	11-Dec-2008				Dry	Dry
	28-Sep-2008				1.57	3822.71
	10-Jun-2008				2.63	3821.65
	6-Feb-2008				Dry	Dry
	18-Nov-2007				Dry	Dry
	27-Oct-2007				Dry	Dry
13-Sep-2007	3.50	3820.78				

TABLE 2. SUMMARY OF DRAIN GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Reference Point Elevation ^b	Depth to Water ^c	Groundwater Elevation ^b
DX5	15-Sep-2010	407220.67	1511845.72	3817.15	Could not access	
	23-Jun-2010				NM	NM
	22-Mar-2010				NM	NM
	8-Dec-2009				NM	NM
	28-Aug-2009				NM	NM
	27-May-2009				Dry	Dry
	11-Dec-2008				3.30	3813.85
	28-Sep-2008				5.00	3812.15
	10-Jun-2008				3.25	3813.90
	6-Feb-2008				NM	NM
	18-Nov-2007				2.73	3814.42
	27-Oct-2007				3.17	3813.98
13-Sep-2007	0.50	3816.65				
DX8	15-Sep-2010	399295.54	1519306.03	3808.70	3.42	3805.28
	23-Jun-2010				4.20	3804.50
	22-Mar-2010				4.28	3804.42
	8-Dec-2009				3.78	3804.92
	28-Aug-2009				3.50	3805.20
	27-May-2009				3.70	3805.00
	11-Dec-2008				4.00	3804.70
	28-Sep-2008				3.17	3805.53
	10-Jun-2008				4.10	3804.60
	6-Feb-2008				4.71	3803.99
	18-Nov-2007				4.67	3804.03
	27-Oct-2007				4.54	3804.16
13-Sep-2007	1.20	3807.50				
DX10	15-Sep-2010	388729.50	1521819.50	3800.26	Measuring point destroyed	
	23-Jun-2010				NM	NM
	21-Mar-2010				2.29	3797.97
	8-Dec-2009				2.22	3798.04
	27-Aug-2009				1.75	3798.51
	27-May-2009				1.87	3798.39
	11-Dec-2008				2.03	3798.23
	28-Sep-2008				1.51	3798.75
	10-Jun-2008				2.42	3797.84
	6-Feb-2008				3.91	3796.35
	18-Nov-2007				2.68	3797.58
	27-Oct-2007				2.52	3797.74
13-Sep-2007	2.20	3798.06				
DX11	15-Sep-2010	388713.30	1522640.15	3810.25	Dry	Dry
	23-Jun-2010				NM	NM
	21-Mar-2010				Dry	Dry
	8-Dec-2009				Dry	Dry
	27-Aug-2009				4.84	3805.41
	11-Dec-2008				4.32	3805.93
	11-Dec-2008				Dry	Dry
	28-Sep-2008				4.74	3805.51
	10-Jun-2008				5.51	3804.74
	6-Feb-2008				Dry	Dry
	18-Nov-2007				Dry	Dry
	27-Oct-2007				Dry	Dry
13-Sep-2007	Dry	Dry				
DX12	23-Jun-2010	372993.14	1526753.61	3796.24	8.55	3787.69
	23-Jun-2010				8.00	3788.24
	21-Mar-2010				9.10	3787.14
	8-Dec-2009				8.97	3787.27
	27-Aug-2009				8.34	3787.90
	27-May-2009				8.50	3787.74
	11-Dec-2008				8.71	3787.53
	28-Sep-2008				7.47	3788.77
	10-Jun-2008				8.55	3787.69
	6-Feb-2008				9.11	3787.13
	18-Nov-2007				8.94	3787.30
	27-Oct-2007				8.69	3787.55
13-Sep-2007	2.00	3794.24				

TABLE 2. SUMMARY OF DRAIN GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Reference Point Elevation ^b	Depth to Water ^c	Groundwater Elevation ^b
DX16	15-Sep-2010	372996.10	1527610.40	3801.57	Dry	Dry
	23-Jun-2010				7.29	3794.28
	21-Mar-2010				Dry	Dry
	8-Dec-2009				Dry	Dry
	27-Aug-2009				7.34	3794.23
	27-May-2009				Dry	Dry
	11-Dec-2008				Dry	Dry
	28-Sep-2008				2.94	3798.63
	10-Jun-2008				7.02	3794.55
	6-Feb-2008				Dry	Dry
	18-Nov-2007				Dry	Dry
	27-Oct-2007				Dry	Dry
13-Sep-2007	2.00	3799.57				
DX17	15-Sep-2010	378284.74	1524969.06	3794.07	3.49	3790.58
	23-Jun-2010				3.21	3790.86
	21-Mar-2010				3.89	3790.18
	8-Dec-2009				3.71	3790.36
	27-Aug-2009				3.21	3790.86
	27-May-2009				3.25	3790.82
	11-Dec-2008				2.41	3791.66
	28-Sep-2008				1.61	3792.46
	10-Jun-2008				3.24	3790.83
	6-Feb-2008				3.64	3790.43
	18-Nov-2007				3.45	3790.62
	27-Oct-2007				NM	NM
13-Sep-2007	NM	NM				
DX18	15-Sep-2010	383440.21	1522863.03	3799.50	5.00	3794.50
	23-Jun-2010				4.81	3794.69
	21-Mar-2010				5.37	3794.13
	8-Dec-2009				5.61	3793.89
	27-Aug-2009				4.98	3794.52
	27-May-2009				5.11	3794.39
	11-Dec-2008				5.50	3794.00
	28-Sep-2008				4.21	3795.29
	10-Jun-2008				5.40	3794.10
	6-Feb-2008				5.95	3793.55
	18-Nov-2007				5.43	3794.07
	27-Oct-2007				NM	NM
13-Sep-2007	NM	NM				
DX19	15-Sep-2010	370359.76	1527083.49	3789.58	3.88	3785.70
	23-Jun-2010				3.78	3785.80
	21-Mar-2010				4.39	3785.19
	8-Dec-2009				4.07	3785.51
	27-Aug-2009				3.72	3785.86
	27-May-2009				4.01	3785.57
	11-Dec-2008				3.89	3785.69
	28-Sep-2008				3.15	3786.43
	10-Jun-2008				3.84	3785.74
	6-Feb-2008				4.06	3785.52
	18-Nov-2007				4.08	3785.50
	27-Oct-2007				NM	NM
13-Sep-2007	NM	NM				
DX20	15-Sep-2010	404509.20	1517383.56	3812.01	2.58	3809.43
	23-Jun-2010				3.03	3808.98
	22-Mar-2010				3.25	3808.76
	8-Dec-2009				3.00	3809.01
	28-Aug-2009				2.28	3809.73
	27-May-2009				2.88	3809.13
	11-Dec-2008				3.04	3808.97
	28-Sep-2008				2.38	3809.63
	10-Jun-2008				3.33	3808.68
	6-Feb-2008				4.02	3807.99
	18-Nov-2007				3.95	3808.06
	27-Oct-2007				NM	NM
13-Sep-2007	NM	NM				

TABLE 2. SUMMARY OF DRAIN GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Reference Point Elevation ^b	Depth to Water ^c	Groundwater Elevation ^b
DX21	15-Sep-2010	397941.90	1519301.66	3814.31	9.40	3804.91
	23-Jun-2010				8.91	3805.40
	22-Mar-2010				Dry	Dry
	8-Dec-2009				NM	NM
	28-Aug-2009				8.54	3805.77
	26-May-2009				NM	NM
	11-Dec-2008				11.40	3802.91
	28-Sep-2008				10.40	3803.91
	10-Jun-2008				11.20	3803.11
	6-Feb-2008				11.16	3803.15
	18-Nov-2007				11.37	3802.94
	27-Oct-2007				NM	NM
	13-Sep-2007				NM	NM
DX22	15-Sep-2010	396687.18	1519046.47	3807.36	3.53	3803.83
	23-Jun-2010				3.90	3803.46
	22-Mar-2010				4.09	3803.27
	8-Dec-2009				3.82	3803.54
	28-Aug-2009				3.91	3803.45
	26-May-2009				3.71	3803.65
	11-Dec-2008				3.75	3803.61
	28-Sep-2008				2.80	3804.56
	10-Jun-2008				3.69	3803.67
	6-Feb-2008				4.42	3802.94
	18-Nov-2007				4.59	3802.77
	27-Oct-2007				NM	NM
	13-Sep-2007				NM	NM
DX23	15-Sep-2010	394041.08	1518228.68	3804.82	2.45	3802.37
	23-Jun-2010				2.98	3801.84
	22-Mar-2010				3.38	3801.44
	8-Dec-2009				3.16	3801.66
	28-Aug-2009				2.60	3802.22
	26-May-2009				2.67	3802.15
	11-Dec-2008				3.04	3801.78
	28-Sep-2008				2.09	3802.73
	10-Jun-2008				2.88	3801.94
	6-Feb-2008				3.45	3801.37
	18-Nov-2007				3.21	3801.61
	27-Oct-2007				NM	NM
	13-Sep-2007				NM	NM
DX24	15-Sep-2010	391382.99	1519639.89	3803.73	3.31	3800.42
	23-Jun-2010				3.63	3800.10
	22-Mar-2010				3.99	3799.74
	8-Dec-2009				3.62	3800.11
	28-Aug-2009				3.22	3800.51
	26-May-2009				3.39	3800.34
	11-Dec-2008				3.74	3799.99
	28-Sep-2008				2.98	3800.75
	10-Jun-2008				3.69	3800.04
	6-Feb-2008				4.17	3799.56
	18-Nov-2007				4.92	3798.81
	27-Oct-2007				NM	NM
	13-Sep-2007				NM	NM
DX25	15-Sep-2010	421480.90	1506896.42	3828.42	Dry	Dry
	24-Jun-2010				Dry	Dry
	22-Mar-2010				Dry	Dry
	8-Dec-2009				Dry	Dry
	28-Aug-2009				NM	NM
	27-May-2009				NM	NM
	11-Dec-2008				4.72	3823.70
	28-Sep-2008				4.00	3824.42
DX26	15-Sep-2010	419688.41	1509069.57	3833.96	Dry	Dry
	24-Jun-2010				Dry	Dry
	22-Mar-2010				Dry	Dry
	8-Dec-2009				Dry	Dry
	28-Aug-2009				11.22	3822.74
	27-May-2009				11.49	3822.47
	11-Dec-2008				11.75	3822.21
	28-Sep-2008				11.24	3822.72

TABLE 2. SUMMARY OF DRAIN GAUGING DATA
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Reference Point Elevation ^b	Depth to Water ^c	Groundwater Elevation ^b
DX27	15-Sep-2010	418540.04	1509739.11	3825.33	4.70	3820.63
	24-Jun-2010				Dry	Dry
	22-Mar-2010				Dry	Dry
	28-Aug-2009				Not accessible	
	28-Aug-2009				4.11	3821.22
	27-May-2009				4.18	3821.15
	11-Dec-2008				4.77	3820.56
	28-Sep-2008				4.18	3821.15
DX28	15-Sep-2010	417290.39	1510464.06	3827.47	7.00	3820.47
	24-Jun-2010				6.25	3821.22
	22-Mar-2010				Dry	Dry
	8-Dec-2009				7.16	3820.31
	28-Aug-2009				7.04	3820.43
	27-May-2009				7.16	3820.31
	11-Dec-2008				7.15	3820.32
	28-Sep-2008				6.80	3820.67
DX29	15-Sep-2010	416144.40	1511115.46	3823.15	3.50	3819.65
	24-Jun-2010				1.86	3821.29
	22-Mar-2010				3.90	3819.25
	8-Dec-2009				3.65	3819.50
	28-Aug-2009				3.63	3819.52
	27-May-2009				3.78	3819.37
	11-Dec-2008				4.01	3819.14
	28-Sep-2008				3.54	3819.61
DX30	15-Sep-2010	141912.63	1511830.23	3824.93	6.55	3818.38
	24-Jun-2010				9.97	3814.96
	22-Mar-2010				7.23	3817.70
	8-Dec-2009				6.98	3817.95
	28-Aug-2009				7.10	3817.83
	27-May-2009				6.72	3818.21
	11-Dec-2008				7.00	3817.93
	28-Sep-2008				6.68	3818.25
DX31	15-Sep-2010	409811.34	1514758.21	3820.29	Dry	Dry
	24-Jun-2010				Dry	Dry
	22-Mar-2010				7.19	3813.10
	8-Dec-2009				7.45	3812.84
	28-Aug-2009				7.15	3813.14
	27-May-2009				7.33	3812.96
	11-Dec-2008				Dry	
	28-Sep-2008				7.23	3813.06

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 (north side of drain)

^d Measured in feet

Data Suspect

TABLE 3 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	EPA 300.0	250 mL HDPE Bottle	H ₂ SO ₄ to pH,2, Cool to <6°C,	28 Days
Total Kjeldhal Nitrogen	SM 4500 NORG C	250 mL HDPE Bottle	H ₂ SO ₄ to pH,2, 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

HDPE = High-density polyethylene

TABLE 4 ABATEMENT PLAN MONITORING WELLS 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	16-Sep-10	7.56	<10.0	439	1,800	NA	
	29-Jun-10	8.55	<1.0	491	2,120	NA	
	21-Mar-10	6.3	<5.0	500	1,780	NA	
	NMED Split	9-Dec-09	7.5	1.5	550	2,010	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	16-Sep-10	3.44	<10.0	385	1,790	NA	
	29-Jun-10	8.11	<0.5	364	1,870	NA	
	21-Mar-10	8.1	<1.0	420	1,970	NA	
	NMED Split	9-Dec-09	9.0	<1.0	440	1,920	NA
		9-Dec-09	9	0.39	388	1,970	586
		29-Aug-09	9.9	<2.0	490	1,890	NA
		14-May-09	7.4	<5.0	350	1,700	NA
DAD-03 *	16-Sep-10	0.217	<10.0	1,370	4,320	NA	
	29-Jun-10	<0.5	6.18	1,570	5,150	NA	
	21-Mar-10	<10	<1.0	2,200	5,620	NA	
	NMED Split	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	16-Sep-10	<0.100	<10.0	683	2,560	NA	
	29-Jun-10	<0.5	1.4	570	2,330	NA	
	29-Jun-10	<0.5	1.4	570	2,330	NA	
	21-Mar-10	<2.0	<2.0	620	2,460	NA	
	NMED Split	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
DAD-05	16-Sep-10	<2.50	<10.0	536	2,220	NA	
	29-Jun-10	<0.5	1.1	627	2,550	NA	
	21-Mar-10	<2.0	<1.0	630	2,340	NA	
	NMED Split	9-Dec-09	<2.0	1.3	710	2,420	NA
		9-Dec-09	<0.1	0.95	563	2,290	362
		29-Aug-09	<2.0	<2.0	630	2,310	NA
		13-May-09	<2.0	<5.0	640	2,700	NA
	Duplicate	13-May-09	<10	1.6	618	2,260	NA
DAD-06	16-Sep-10	9.20	<10.0	359	1,370	NA	
	29-Jun-10	11.6	<2.0	365	1,460	NA	
	21-Mar-10	10	<2.0	390	1,390	NA	
	NMED Split	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
DAD-07	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

TABLE 4 ABATEMENT PLAN MONITORING WELLS 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-08	17-Sep-10	<2.50	<10.0	1,370	3,230	NA
	29-Jun-10	2.53	<1.0	1,290	5,950	NA
NMED Split	21-Mar-10	<4.0	<1.0	1,300	3,270	NA
	9-Dec-09	<4.0	<1.0	1,400	3,290	NA
	9-Dec-09	3.1	0.26	1,400	3,070	509
	29-Aug-09	<4.0	<2.0	1,500	3,180	NA
	14-May-09	3.0	<5.0	1,300	3,600	NA
DAD-09	17-Sep-10	22.6	<10.0	204	1,070	NA
	29-Jun-10	59.2	<5.0	667	2,240	NA
NMED Split	21-Mar-10	29	<5.0	290	1,190	NA
	9-Dec-09	26	<5.0	300	1,190	NA
	9-Dec-09	22	1.6	228	1,170	152
	29-Aug-09	46	<5.0	640	2,320	NA
	13-May-09	44	<5.0	740	2,400	NA
DAD-10	17-Sep-10	2.73	<10.0	404	1,320	NA
	29-Jun-10	1.28	<1.0	390	1,360	NA
NMED Split	21-Mar-10	<2.0	<1.0	420	1,380	NA
	9-Dec-09	1.4	<1.0	460	1,360	NA
	9-Dec-09	1.5	<0.1	378	1,340	196
	29-Aug-09	1.2	<1.0	420	1,340	NA
	14-May-09	<2.0	<1.0	410	1,300	NA
NMWQCC Standard		10	NA	250	1,000	600

Notes:

Shading indicates exceedence of standard

NA = Not analyzed

ND = Non detect

NMWQCC = New Mexico Water Quality Control

TDS = Total dissolved solids

TKN = Total Kjeldahl Nitrogen

* = DAD-03 (6-29-10) Roots in sample may have resulted in a measured TKN result.

TABLE 5 DISCHARGE 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)
Northern Area					
Northern Land Application Area					
70-03	22-Sep-10	62.8	<10.0	2940	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	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
86/340-01	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
Former Daybreak Dairy (Del Norte Dairy)					
126-04	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
126-05	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	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 5 DISCHARGE 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)
Former Daybreak Dairy (Del Norte Dairy) Continued					
126-09	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	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
126-13	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	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
70-02	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
Buena Vista Dairy I					
86-01	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	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 5 DISCHARGE 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)
Bright Star Dairy					
340-01	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	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
Former D&J Dairy (Dominguez 2)					
42-02	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	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
42-06	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	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 5 DISCHARGE 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)
Former D&J Dairy (Dominguez 2) Continued					
42-08	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	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
42-10	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	1-Oct-10	0.620	<10.0	300	1,250
	27-Jun-10	3.9	<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	0.7	300	1,080
	14-Mar-09	0.90	<0.2	310	1,225
42-12	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	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
Dominguez					
624-01	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

TABLE 5 DISCHARGE 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)
Dominguez Continued					
624-02	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
624-04	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	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
624-06	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	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
624-08	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

TABLE 5 DISCHARGE 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)
Gonzalez					
177-01	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	
177-02	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	
177-03	21-Sep-10	3.21	<10.0	369	1,520
	29-Jun-10	1.6	<1.0	430	1,610
	28-Apr-10	1.5	<1.0	450	1,600
	20-Jan-10	1.4	<1.0	460	1,600
	21-Oct-09	1.0	<1.0	430	1,600
	7-Jul-09	0.80	<1.0	470	1,500
	6-May-09	0.97	3.5	450	1,600
22-Jan-09	1.0	<1.0	370	1,600	
177-04	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	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	
177-06	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

TABLE 5 DISCHARGE 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)
Central Area					
Buena Vista Dairy II					
74-01	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	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
74-03	20-Sep-10	21.3	<10.0	1,490	4,840
	29-Jun-10	1.5	<1.0	1,400	4,630
	24-Mar-10	6.1	ND	1,530	4,400
	14-Dec-09	14.1	ND	1,550	4,560
	1-Sep-09	18.9	ND	1,630	4,734
	2-Jun-09	2.9	ND	1,590	1,782
	3-Mar-09	2.65	ND	1,510	4,664
74-04	20-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
74-05	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

TABLE 5 DISCHARGE 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)
River Valley Dairy					
167-01	27-Sep-10	1.55	9.94	731	2540
	28-Jun-10	Not Sampled			
	5-Mar-10				
	15-Jan-10				
	14-Sep-09				
	2-Jun-09				
	15-Mar-09				
167-01A	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	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
167-03	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	28-Jun-10	Not Sampled			
	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
167-05	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	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 5 DISCHARGE 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)
River Valley Dairy Continued					
167-07	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	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
167-09	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	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
833-02	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	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
833-04	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

TABLE 5 DISCHARGE 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)
Big Sky Dairy Continued					
833-05	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
833-06	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	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
833-08	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	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
833-10	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

TABLE 5 DISCHARGE 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)
Sunset/Desert Land Dairy					
257-01	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
257-02	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	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
257/260-01	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

TABLE 5 DISCHARGE 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)
Southern Area					
Del Oro Dairy					
692-01	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
692-02	30-Jun-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	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
692-05	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	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
692-07	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	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
692-09	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

Notes:

Data suspect

ND = Non detect

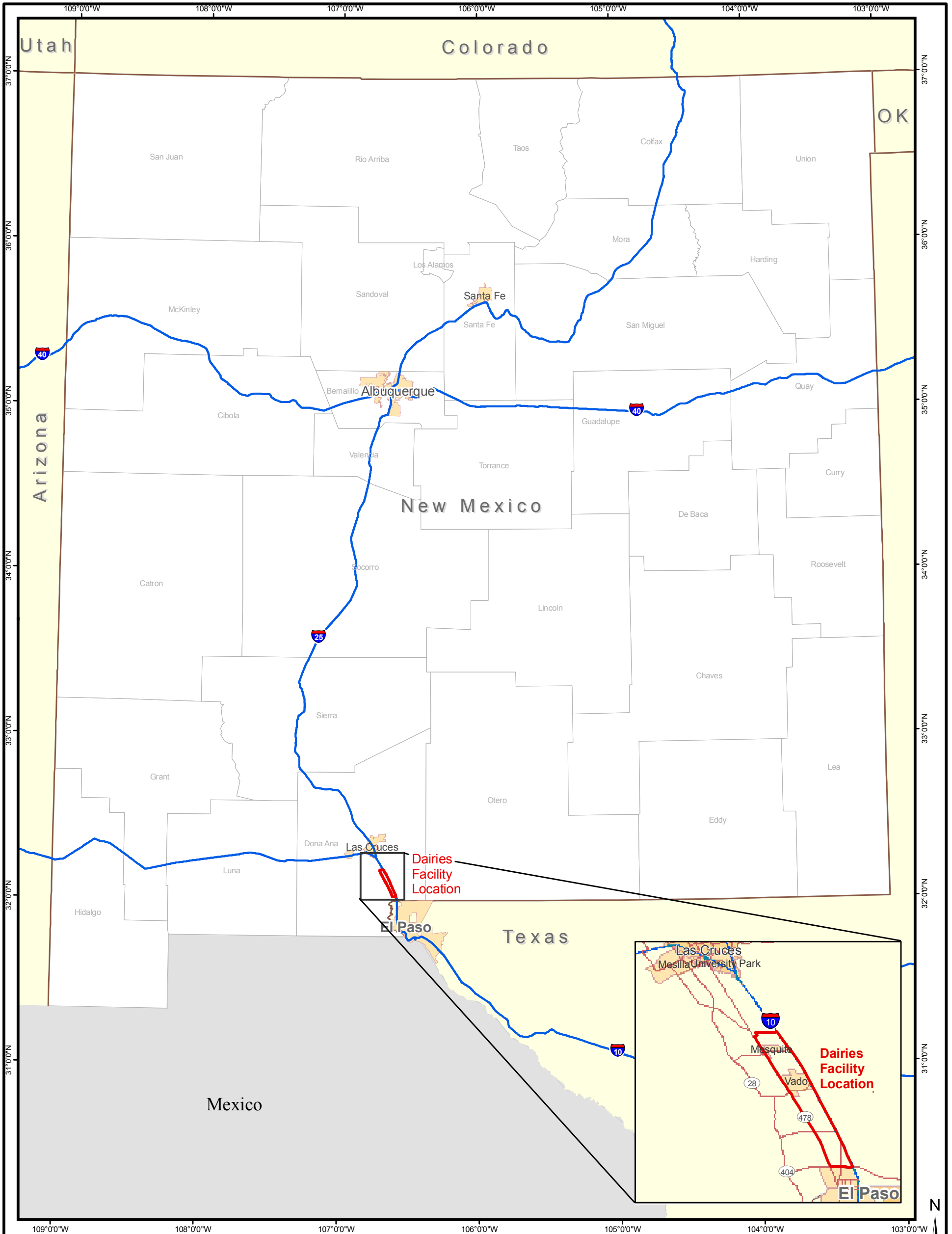
NMWQCC = New Mexico Water Quality Control

TDS = Total dissolved solids

TKN = Total Kjeldahl Nitrogen

Yellow Highlight is at or above NMWQCC Standard

FIGURES

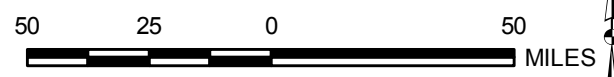


LEGEND:


 Facility Boundary

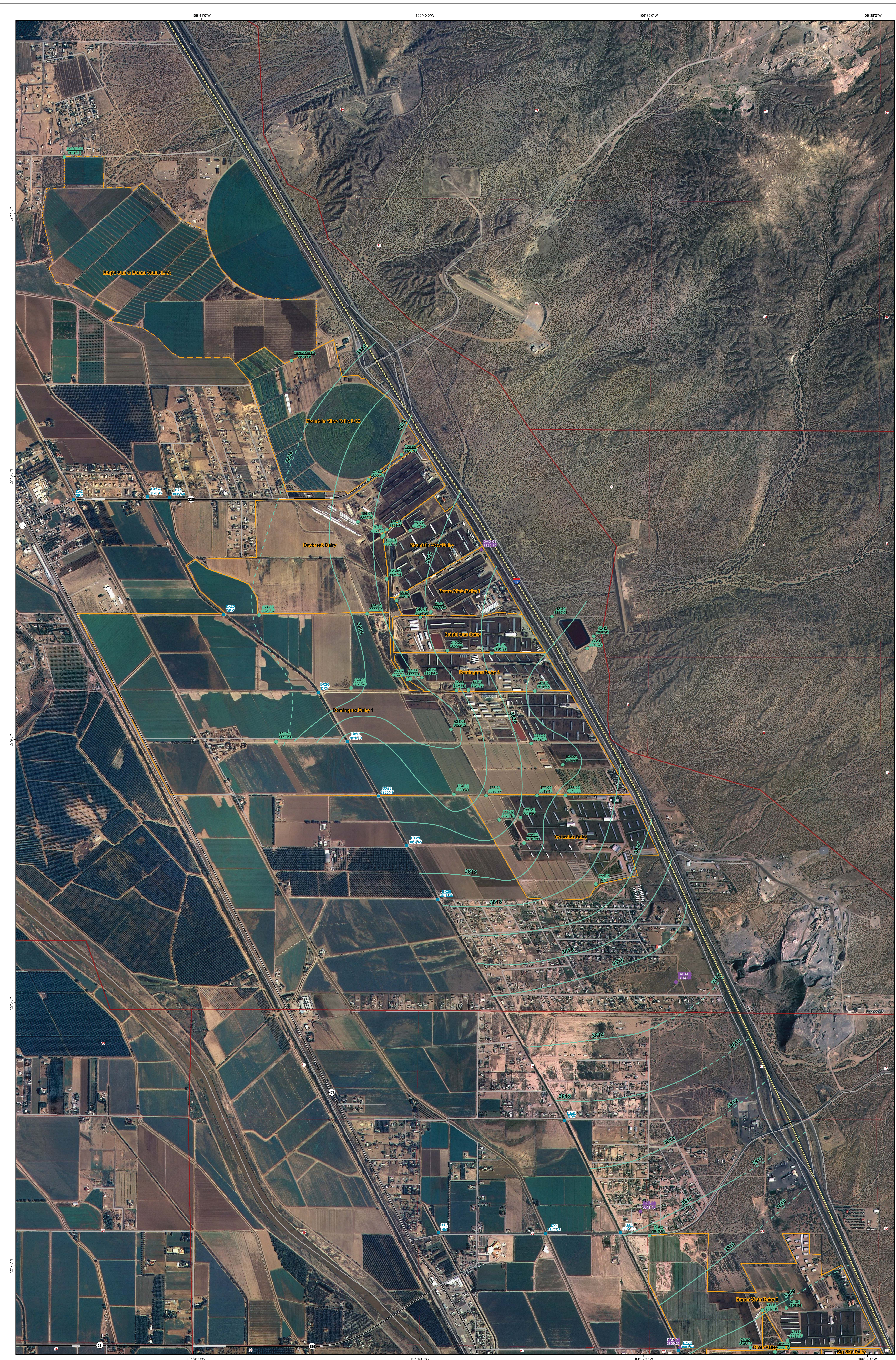
REFERENCES

Base Data: ESRI, 2008.



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

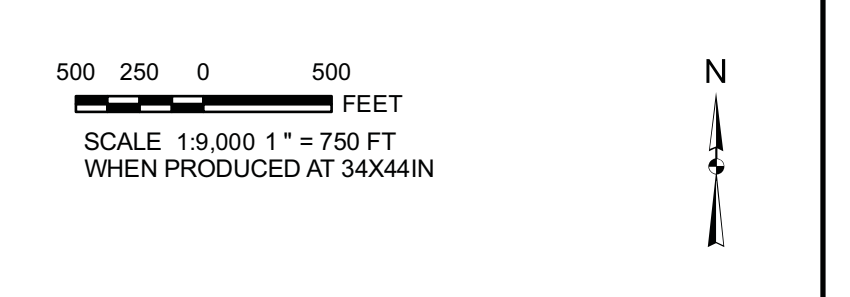
PROJECT		DOÑA ANA DAIRIES MESQUITE, NEW MEXICO	
TITLE		SITE LOCATION MAP	
	PROJECT No.	11x17_siteloc.mxd	
	DESIGN		SCALE AS SHOWN
	GIS		REV 0
	CHECK		
REVIEW			
			FIGURE 1



- LEGEND**
- DX 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: NM = Not Measured

REFERENCES

Roads: Doña Ana County, 2001
 Aerial Photography: USGS, 2005
 PLSS: BLM, 2000
 Projection: State Plane NAD 83 New Mexico Central (feet)



PROJECT: DOÑA ANA DAIRIES
 MESQUITE, NEW MEXICO

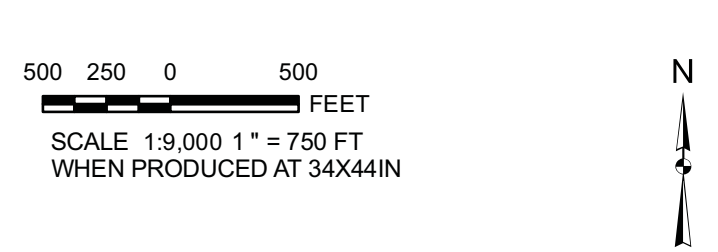
TITLE: POTENTIOMETRIC SURFACE MAP,
 SEPTEMBER 2010, NORTHERN PORTION

PROJECT NO.	DOÑA ANA DAIRIES 001
DATE	SEPTEMBER 2010
SCALE	1/32,000
FIGURE	FIGURE 2



- LEGEND**
- DX 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:
NM = Not Measured

REFERENCES
 Roads: Dona Ana County, 2001
 Aerial Photography: USGS, 2005
 PLSS: BLM, 2000
 Projection: State Plane NAD 83 New Mexico Central (feet)

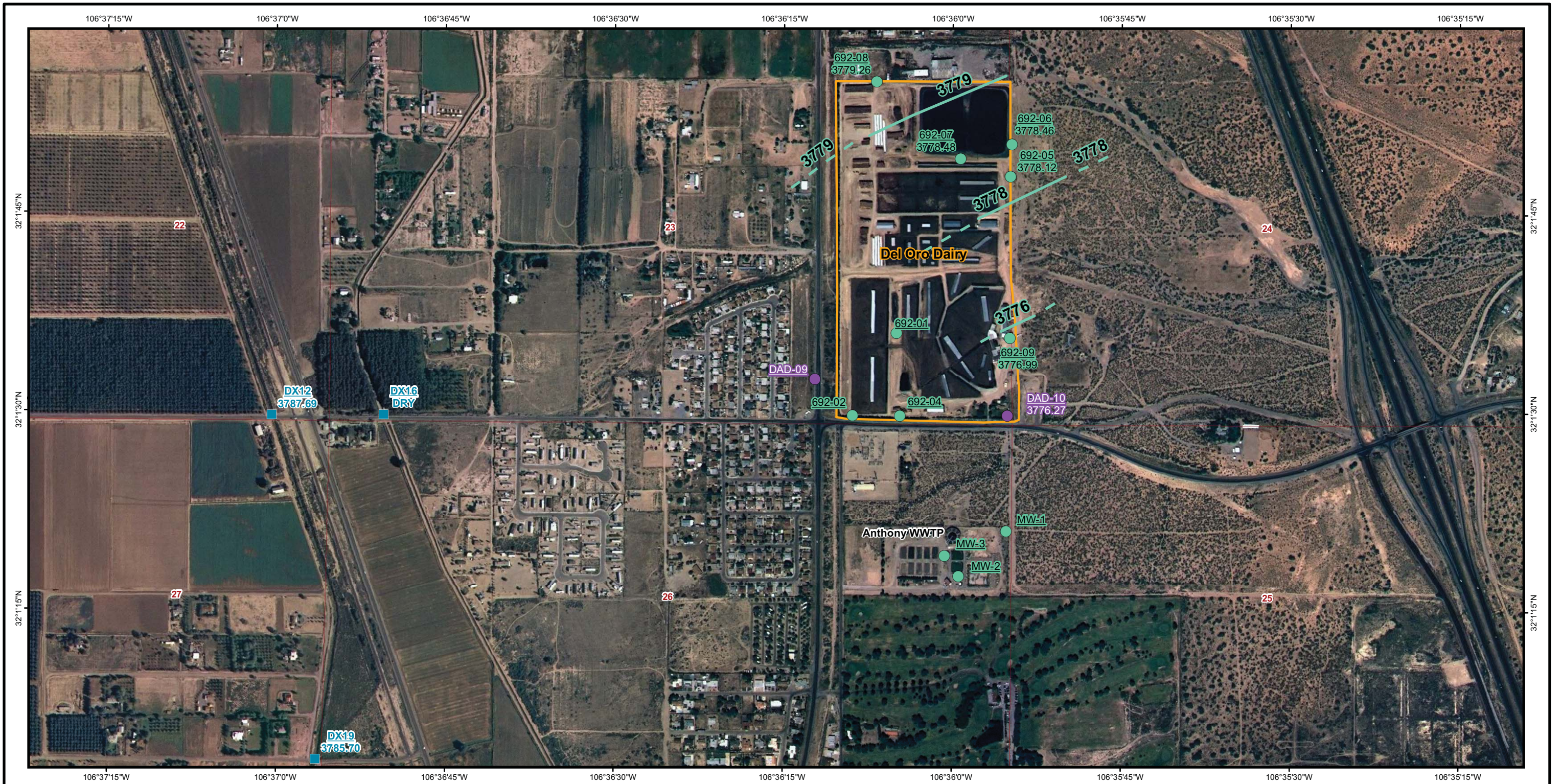


PROJECT: DOÑA ANA DAIRIES
 MESQUITE, NEW MEXICO

TITLE: POTENTIOMETRIC SURFACE MAP,
 SEPTEMBER 2010, CENTRAL PORTION

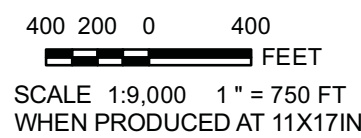
PROJECT NO.	DATE	BY	CHECKED

FIGURE 3



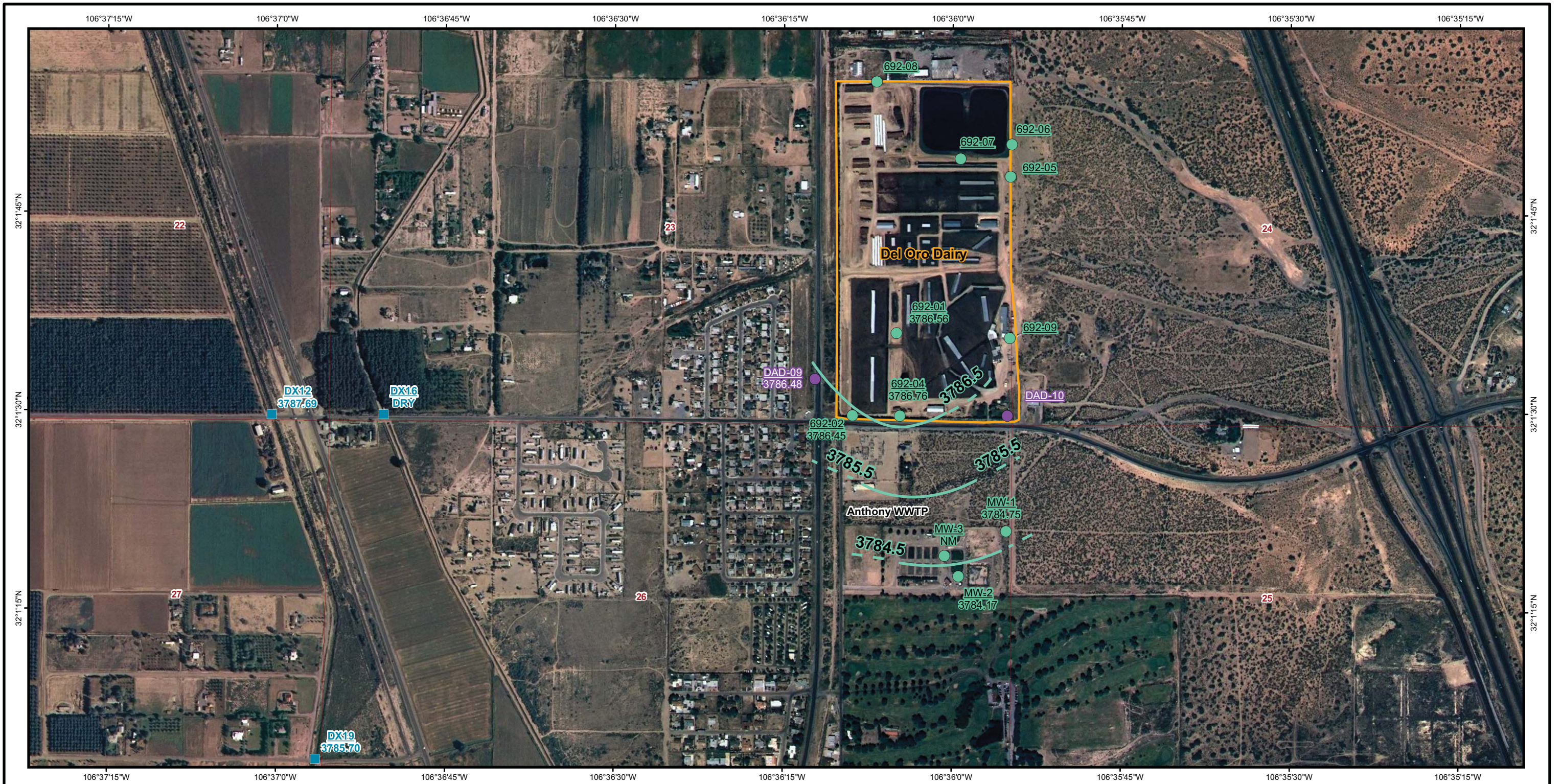
LEGEND:

- DX Location
- Discharge Plan Well With Water Elevations (Feet MSL)
- Abatement Plan Well With Water Elevations (Feet MSL)
- Land Owned by Dairies
- Public Land Survey System



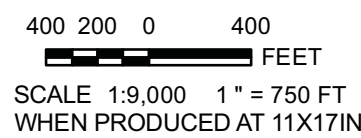
REFERENCES
 Aerial Photography: USGS, 2005
 PLSS: BLM, 2000
 Projection: State Plane NAD 83 New Mexico Central (feet)

PROJECT		DOÑA ANA DAIRIES MESQUITE, NEW MEXICO	
TITLE		POTENTIOMETRIC SURFACE MAP, SEPTEMBER 2010, SOUTHERN PORTION REGIONAL AQUIFER	
	PROJECT No.	deloro_pot_regional200908.mxd	
	DESIGN		SCALE AS SHOWN REV 0
	GIS		
	CHECK		
	REVIEW		
			FIGURE 4



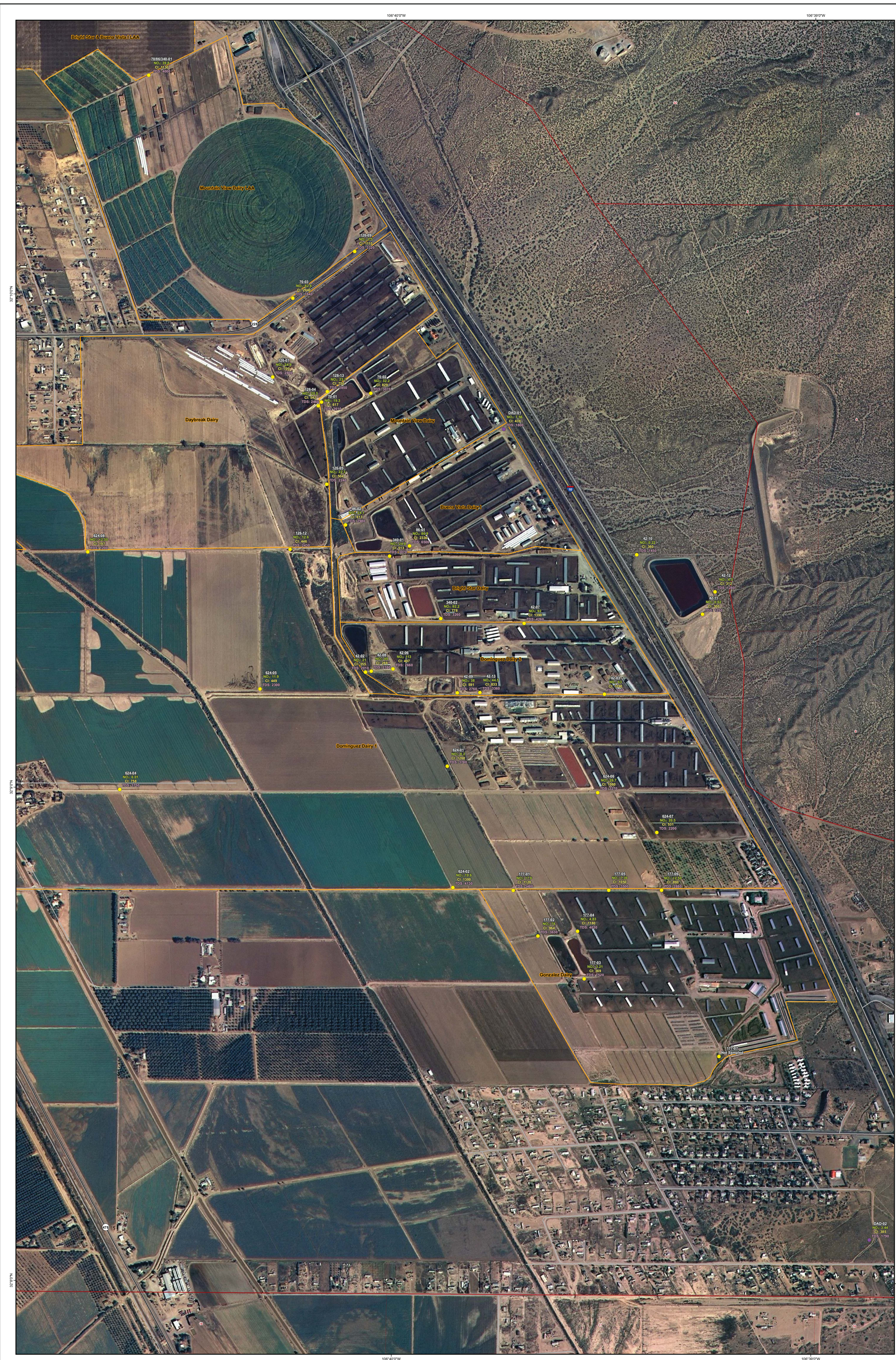
LEGEND:

- DX Location
- Discharge Plan Well With Water Elevations (Feet MSL)
- Abatement Plan Well With Water Elevations (Feet MSL)
- Land Owned by Dairies
- Public Land Survey System



REFERENCES
 Aerial Photography: USGS, 2005
 PLSS: BLM, 2000
 Projection: State Plane NAD 83 New Mexico Central (feet)

PROJECT		DOÑA ANA DAIRIES MESQUITE, NEW MEXICO	
TITLE		POTENTIOMETRIC SURFACE MAP, SEPTEMBER 2010, SOUTHERN PORTION PERCHED AQUIFER	
	PROJECT No.	deloro_pot_regional200908.mxd	
	DESIGN		SCALE AS SHOWN REV 0
	GIS		
	CHECK		
	REVIEW		
		FIGURE 5	



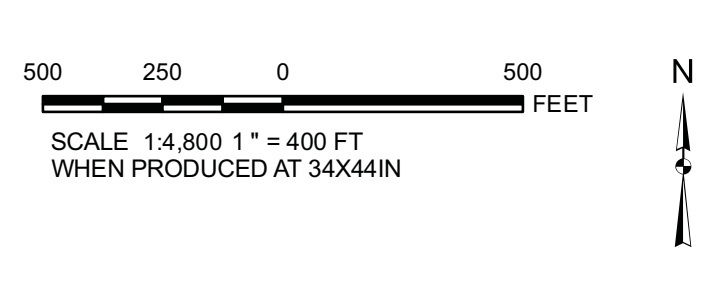
LEGEND:

- Interstate Highway
- State Highway
- Other Road
- Land Owned by Dairies
- Land Application on Non-Dairy Property
- Public Land Survey System

Note:
 NM = Not Measured
 Units are in mg/L

REFERENCES

Roads: Doña Ana County, 2001
 Aerial Photography: USGS, 2005
 PLSS BLM, 2000
 Projection: State Plane NAD 83 New Mexico Central (ft)



PROJECT

**DOÑA ANA DAIRIES
 MESQUITE, NEW MEXICO**

**GROUND WATER ANALYTICAL RESULTS,
 SEPTEMBER 2010,
 NORTHERN PORTION**

FIGURE 6



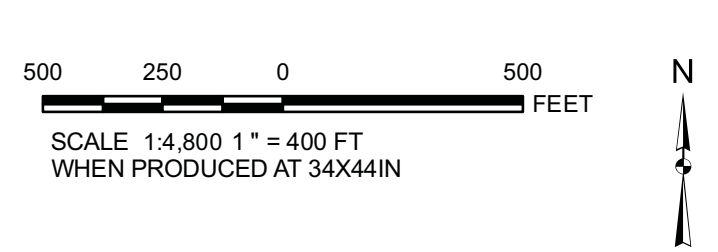
LEGEND:

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

Note:
 NM = Not Measured
 * = Suspect data
 Units are in mg/L

REFERENCES

Roads: Doña Ana County, 2001
 Aerial Photography: USGS, 2005
 PLSS: BLM, 2000
 Projection: State Plane NAD 83 New Mexico Central (ft)

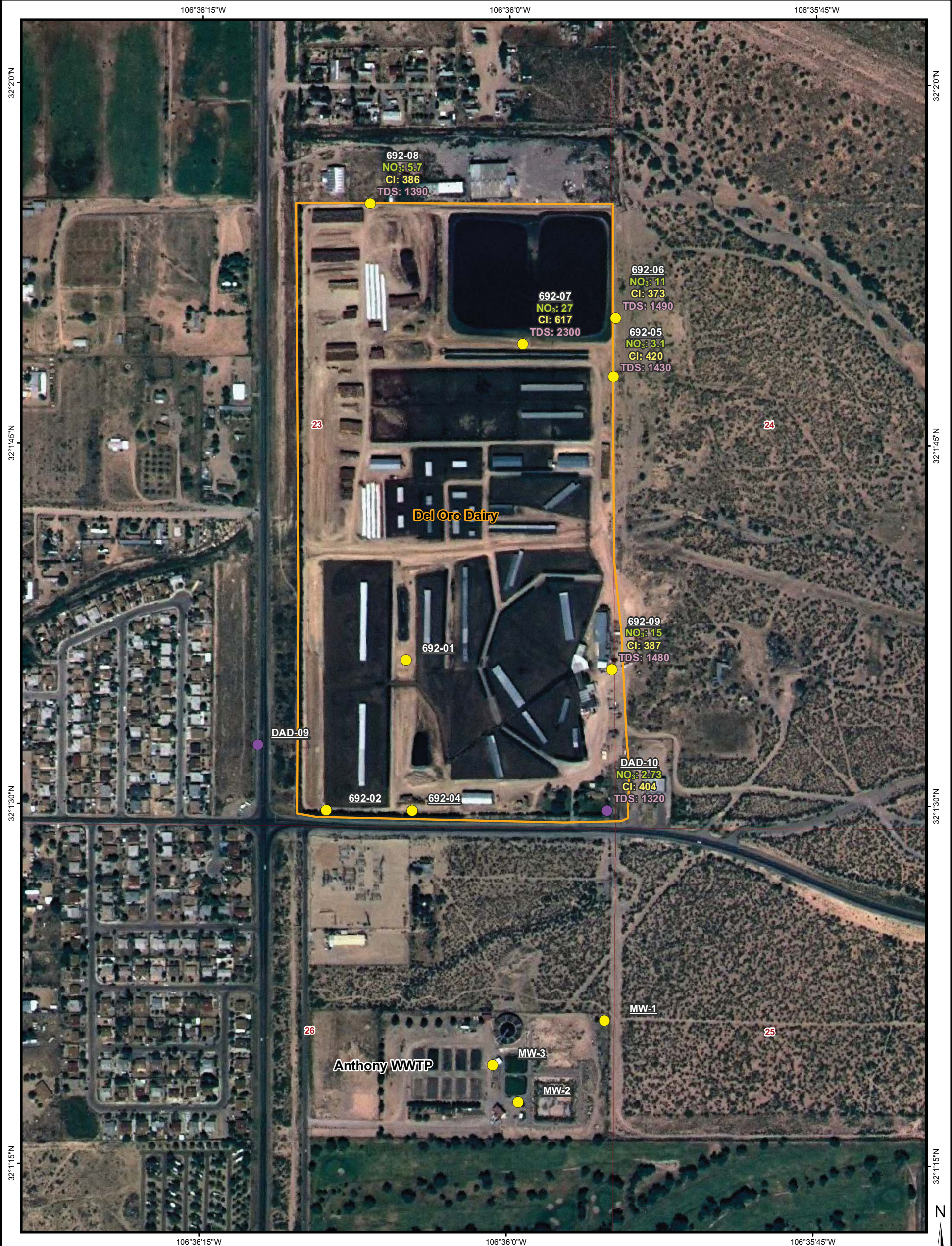


PROJECT: DOÑA ANA DAIRIES
 MESQUITE, NEW MEXICO

DATE: 09/20/10

GROUND WATER ANALYTICAL RESULTS
 SEPTEMBER 2010,
 CENTRAL PORTION

FIGURE 7



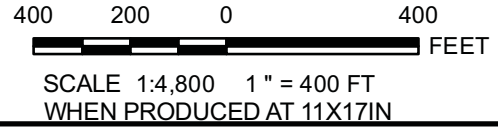
32°20'N
32°145'N
32°130'N
32°115'N

106°36'15"W 106°36'0"W 106°35'45"W

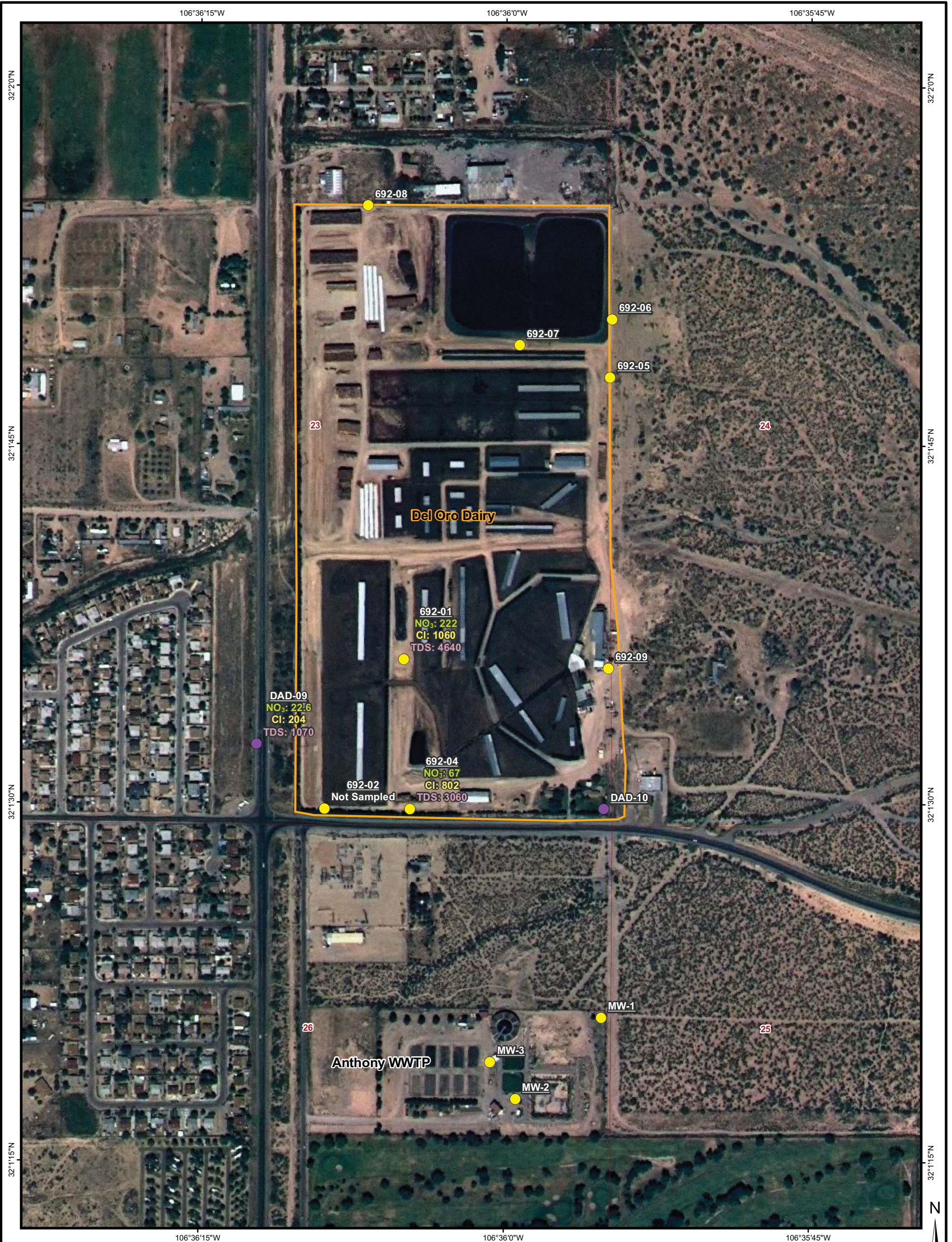
32°20'N
32°145'N
32°130'N
32°115'N

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

REFERENCES
 Aerial Photography: USGS, 2005
 PLSS: BLM, 2000
 Projection: State Plane NAD 83 New Mexico Central (feet)



PROJECT			
DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
TITLE			
GROUNDWATER ANALYTICAL RESULTS SEPTEMBER 2010, SOUTHERN PORTION, REGIONAL AQUIFER			
	PROJECT No.	analytical_regional200908.mxd	
	DESIGN		SCALE AS SHOWN REV 0
	GIS		
	CHECK		
	REVIEW		
			FIGURE 8



LEGEND:

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

REFERENCES

Aerial Photography: USGS, 2005
 PLSS: BLM, 2000
 Projection: State Plane NAD 83 New Mexico Central (feet)

PROJECT			
DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
TITLE GROUNDWATER ANALYTICAL RESULTS SEPTEMBER 2010, SOUTHERN PORTION, PERCHED AQUIFER			
PROJECT No.	deloro_analytical_perched200908.mxd		
DESIGN		SCALE	AS SHOWN
GIS			REV 0
CHECK		FIGURE 9	
REVIEW			



**APPENDIX A
SAMPLING FIELD FORMS**

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Northern LAA Darcy 70-03 Date gauged 9/22/10
 Site 70-03 Time gauged 11:20
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 51.42 Feet Height of fluid column 13.5 Feet
 Total depth 64.92 Feet Volume in well 8.91 Gallons

(3 well volumes = 26.7 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 11:32 9/22/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>11:32</u>	<u>10</u>	<u>27.3</u>	<u>11.47</u>	<u>7.60</u>	<u>25</u>	<u>9727</u>
	<u>20</u>	<u>25.6</u>	<u>17.54</u>	<u>7.40</u>	<u>51</u>	<u>9792</u>
	<u>30</u>	<u>26.1</u>	<u>17.51</u>	<u>7.35</u>	<u>29</u>	<u>9804</u>

Actual purge volume 30 gal. Field measurements stabilized within ± 10%

Time/date sampled 11:50 9/22/10 Purged/sampled by Loft

Sample method Low Flow

Requested analyses THN - Cl - NO₃ - TDS

Comments/observations 55' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

Northwest LATA **FLUID LEVEL DATA**

Well ID ~~70-86-340-1~~ 70-86-340-1 Date gauged 9/22/10
 Site 70-86-340-1 Time gauged 12:10
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 41.84 Feet Height of fluid column 25.95 Feet
 Total depth 67.79 Feet Volume in well 17.12 Gallons

(3 well volumes = 51.38 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 12:22 9/22/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>12:22</u>	<u>17</u>	<u>26.0</u>	<u>6444</u>	<u>7.64</u>	<u>29</u>	<u>5144</u>
	<u>34</u>	<u>26.5</u>	<u>6403</u>	<u>7.48</u>	<u>51</u>	<u>5140</u>
	<u>51</u>	<u>25.7</u>	<u>6400</u>	<u>7.55</u>	<u>32</u>	<u>5136</u>

Actual purge volume 51 gal. Field measurements stabilized within ± 10%?

Time/date sampled 12:45 9/22/10 Purged/sampled by RA

Sample method Low Flow

Requested analyses TDS - TAN - NO₃ - CL

Comments/observations 50' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID LAA DAILY Date gauged 9/22/10
 Site 86-340-01 Time gauged 1:10
 Depth to PSH ✓ Feet Well diameter 4" Inches
 Depth to water 47.57 Feet Height of fluid column 23.54 Feet
 Total depth 71.11 Feet Volume in well 15.53 Gallons

(3 well volumes = 46.6 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 1:25 9/22/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
1:25	15	22.0	3131	8.13	36	2330
	30	26.7	3153	7.99	40	2342
	46	26.3	3176	8.18	41	2354

Actual purge volume 46 gal. Field measurements stabilized within ± 10%?

Time/date sampled 1:43 9/22/10 Purged/sampled by ETB

Sample method Low Flow

Requested analyses TDS TRN. CL- NO3

Comments/observations 55' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 177-01 Date gauged 9/20/10
 Site Guenzalez Time gauged 14:10
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 13.55 Feet Height of fluid column 11.9 Feet
 Total depth 25.45 Feet Volume in well 7.8 Gallons
 (3 well volumes = 23.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method Boiler

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>14:20</u>	<u>0.25</u>	<u>70.37</u>	<u>5253</u>	<u>7.74</u>	<u>17.8</u>	<u>3.85</u>
	<u>10</u>	<u>69.82</u>	<u>5125</u>	<u>7.45</u>	<u>3.7</u>	<u>2.12</u>
	<u>20</u>	<u>70.16</u>	<u>5228</u>	<u>7.7</u>	<u>3.56</u>	<u>-33.4</u>
	<u>22</u>	<u>70.29</u>	<u>5127</u>	<u>7.48</u>	<u>3.55</u>	<u>-5.6</u>
	<u>23</u>	<u>70.01</u>	<u>5120</u>	<u>7.39</u>	<u>2.36</u>	<u>-3.9</u>
	<u>25</u>	<u>70.37</u>	<u>5175</u>	<u>7.40</u>	<u>2.59</u>	<u>-4.1</u>

Actual purge volume 25 gal. Field measurements stabilized within ± 10%? —

Time/date sampled 9/20/10 14:54 Purged/sampled by [Signature]

Sample method Boiler

Requested analyses TUN Nitrate CL TDS

Comments/observations 23 ft Rope 1 Boiler

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Gonzalez 177-02 Date gauged 9/20/10
 Site 177-02 Time gauged 3:00
 Depth to PSH / Feet Well diameter 4" Inches
 Depth to water 14.34 Feet Height of fluid column 11.49 Feet
 Total depth 25.83 Feet Volume in well 7.58 Gallons

(3 well volumes = 22.7 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 3:10 Purge Method hand

Time	Purge Volume (gal)	Temp (°C)	SpC (us/cm)	pH	ORP (mV)	DO (mg/L)
3:12	5.8	26.5	6030	7.59	133	4760
	15	26.0	5700	7.83	167	4474
	23	26.0	5647	7.87	122	4434

Actual purge volume 23 gal. Field measurements stabilized within ± 10%?

Time/date sampled 3:35 9/20/10 Purged/sampled by JA

Sample method hand bailed

Requested analyses TDS-CL-NO₃-TKN

Comments/observations 20' rope / bailed

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 177-03 Date gauged 9-21-10
 Site Cooper Lake 2 Time gauged 8:50
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 16.40 Feet Height of fluid column 31.22 Feet
 Total depth 47.62 Feet Volume in well 20.6 Gallons

(3 well volumes = 61.81 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/21/10 9:15 Purge Method Filt₂ Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>9:15</u>	<u>0.25</u>	<u>82.25</u>	<u>2594</u>	<u>7.24</u>	<u>29.8</u>	<u>3.38</u>
	<u>30</u>	<u>83.57</u>	<u>2626</u>	<u>6.99</u>	<u>54.7</u>	<u>2.43</u>
	<u>45</u>	<u>83.59</u>	<u>2626</u>	<u>6.95</u>	<u>47.6</u>	<u>2.41</u>
	<u>60</u>	<u>83.59</u>	<u>2626</u>	<u>6.95</u>	<u>44.7</u>	<u>2.40</u>

Actual purge volume 61 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/21/10 9:40 Purged/sampled by Meines

Sample method Low Flow Filt₂ Pump

Requested analyses TKN Nitrate Cl TDS

Comments/observations 30 ft Tubing 5 Boiler for bagging 70 ft Rope

Well 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

11/11/11

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Geozone 177-04 Date gauged 9/20/10
 Site 177-04 Time gauged 1:50
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 20.45 Feet Height of fluid column 25.96 Feet
 Total depth 46.41 Feet Volume in well 17.1 Gallons
 (3 well volumes = 51.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/20/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>2:05</u>	<u>15</u>	<u>29.5</u>	<u>6171</u>	<u>7.38</u>	<u>67</u>	<u>4960</u>
	<u>30</u>	<u>27.5</u>	<u>6202</u>	<u>7.50</u>	<u>56</u>	<u>4962</u>
	<u>45</u>	<u>26.8</u>	<u>6176</u>	<u>7.30</u>	<u>50</u>	<u>4972</u>
	<u>50.5</u>	<u>26.5</u>	<u>6183</u>	<u>7.35</u>	<u>33</u>	<u>4922</u>

Actual purge volume 50.5 gal. Field measurements stabilized within ± 10%? _____
 Time/date sampled 2:35 Purged/sampled by JA
 Sample method Low Flow
 Requested analyses TDS - CL - NO₃ - TRN
 Comments/observations 26ft tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 177-05 Date gauged 9/20/10
 Site G0420fe2 Time gauged 13:10
 Depth to PSH _____ Feet Well diameter 6" Inches
 Depth to water 32.66 Feet Height of fluid column 42.16.64 Feet
 Total depth 49.30 Feet Volume in well 10.98 Gallons
 (3 well volumes = 33 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:20	1	68.69	4865	7.64	19.1	2.10
	20	68.73	4750	7.25	3.4	1.73
	28	68.70	4710	7.12	3.1	

Actual purge volume 29 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/20/10 13:20 Purged/sampled by T. Minors

Sample method Fultz Pump

Requested analyses TKN Nitrites CL TDS

Comments/observations 45 ft tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 177-06 Date gauged 9-20-10
 Site Gonzalez Time gauged 11:30
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 47.55 Feet Height of fluid column 4.18 Feet
 Total depth 51.73 Feet Volume in well 2.76 Gallons

(3 well volumes = 8.3 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/20/10 11:45 Purge Method Fultz Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
		70.21	4188	7.86	19.5	2.21
		71.95	4276	7.73	18.6	2.34
		72.81	4470	7.48	17.7	4.43

Actual purge volume 5 gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 9/20/10 12:20 Purged/sampled by T. Hawkins

Sample method Fultz Pump

Requested analyses TRM Nitrate TDS LL

Comments/observations Low Water Purged only 5 gal
60 ft Tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 692-01 Date gauged 10/1/10
 Site Del Oro Time gauged 12:35
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 57.44 Feet Height of fluid column _____ Feet
 Total depth 88.69 Feet Volume in well _____ Gallons
to pump
 (3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 12:38 Purge Method Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (us/cm)	pH	ORP (mV)	DO (mg/L)
<u>14:45</u>	<u>5</u>	<u>73.00</u>	<u>5097</u>	<u>7.94</u>	<u>-8.4</u>	<u>1.87</u>
	<u>10</u>	<u>72.36</u>	<u>5804</u>	<u>7.66</u>	<u>-3.6</u>	<u>2.56</u>
	<u>15</u>	<u>72.17</u>	<u>5902</u>	<u>7.47</u>	<u>-1.7</u>	<u>2.03</u>
	<u>20</u>	<u>71.75</u>	<u>5844</u>	<u>7.41</u>	<u>-1.5</u>	<u>2.10</u>

Actual purge volume 22 gal. Field measurements stabilized within ± 10%?
 Time/date sampled 12:55 10/1/10 Purged/sampled by Alison
 Sample method Pump Low Flow
 Requested analyses TDS Cl NO₂ TKN
 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 692-02 Date gauged 10/1/10
Site Del Oro Time gauged 12:25
Depth to PSH _____ Feet Well diameter 4" Inches
Depth to water 54.30 Feet Height of fluid column _____ Feet
Total depth to 63.42 Feet Volume in well _____ Gallons
Pump
(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

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

Actual purge volume _____ gal. Field measurements stabilized within ± 10%? _____

Time/date sampled _____ Purged/sampled by _____

Sample method _____

Requested analyses _____

Comments/observations Pump doesn't work
no sample

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 092-04 ~~092-04~~ Date gauged 9/28/10
 Site DEL 010 Time gauged 15:30
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 95.82 Feet Height of fluid column 3.96 Feet
 Total depth 61.82 Feet Volume in well _____ Gallons

(3 well volumes = 16.88 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 16:18 Purge Method Boiler

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
16:20	0.25	74.40	3773	7.70	14.0	3.28
	5	72.82	4017	7.30	17.0	2.63
	10	17.13	4118	7.27	17.0	3.06
	11	74.13	4118	7.16	16.6	3.16

Actual purge volume 11.5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 17:00 Purged/sampled by Heinos

Sample method Boiler

Requested analyses TDS CL NO₂ TRN

Comments/observations Pump is missing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID C92-05 Date gauged 10/1/10
 Site Del Oro Time gauged 14:50
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 75.99 Feet Height of fluid column _____ Feet
 Total depth 84.78 Feet Volume in well _____ Gallons
to pump

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 14:55 10/1/10 Purge Method Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>14:55</u>	<u>2 gal</u>	<u>72.50</u>	<u>2135</u>	<u>8.04</u>	<u>-7.8</u>	<u>7.14</u>
<u>15:05</u>	<u>5</u>	<u>72.25</u>	<u>2206</u>	<u>7.75</u>	<u>25.5</u>	<u>4.90</u>
	<u>10</u>	<u>72</u>	<u>2237</u>	<u>7.79</u>	<u>25.1</u>	<u>4.64</u>

Actual purge volume 4 gal. Field measurements stabilized within ± 10%? U
 Time/date sampled 15:15 10/1/10 Purged/sampled by Heiaus
 Sample method Low Flow Pump
 Requested analyses TDS CL TUR NO₃
 Comments/observations Low 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 692-06 Date gauged 10/1/10
 Site DeLo Time gauged 14:20
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 77.90 Feet Height of fluid column _____ Feet
 Total depth 85.12 Feet Volume in well _____ Gallons
to pump

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 14:25 Purge Method Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>14:25</u>	<u>5 gal</u>	<u>73.48</u>	<u>2261</u>	<u>8.23</u>	<u>-55.0</u>	<u>5.24</u>
	<u>10</u>	<u>72.84</u>	<u>2175</u>	<u>7.99</u>	<u>-5.3</u>	<u>6.47</u>
	<u>15</u>	<u>73.50</u>	<u>2176</u>	<u>8.01</u>	<u>-5.3</u>	<u>6.31</u>

Actual purge volume 16 gal. Field measurements stabilized within ± 10%? ✓
 Time/date sampled 14:45 10/1/10 Purged/sampled by Alan
 Sample method Pump Low Flow
 Requested analyses TRM NO₂ CL TDS
 Comments/observations low water

Well Casing Volumes
 2" diameter = 0.17 gal/ft, 4" diameter = 0.65 gal/ft, 5" diameter = 1.02 gal/ft, 6" diameter = 1.50 gal/ft

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 692-07 Date gauged 10/1/10
 Site Del Ore Time gauged 13:40
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 64.59 Feet Height of fluid column _____ Feet
 Total depth 77.22 Feet Volume in well _____ Gallons
to pump
 (3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (us/cm)	pH	ORP (mV)	DO (mg/L)
13:50	1 gal	75.02	3482	8.02	24.6	6.41
	5 gal	74.03	3077	8.02	31.6	6.11
	15 gal	73.84	2865	7.93	30.2	5.95

Actual purge volume 16 gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 14:10 10/1/10 Purged/sampled by Heinrichs

Sample method Low Flow

Requested analyses TDS Cl NO3 FRN

Comments/observations low 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 692-08 Date gauged 10/1/10
 Site Del Oro Time gauged 13:12
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 63.83 Feet Height of fluid column _____ Feet
 Total depth 77.26 Feet Volume in well _____ Gallons
to pump
 (3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 13:20 10/1/10 Purge Method Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>13:25</u>	<u>10</u>	<u>73.87</u>	<u>2222</u>	<u>7.93</u>	<u>32.1</u>	<u>4.92</u>
	<u>15</u>	<u>73.71</u>	<u>2080</u>	<u>7.76</u>	<u>25.2</u>	<u>3.98</u>
	<u>17</u>	<u>73.62</u>	<u>2078</u>	<u>7.69</u>	<u>25.1</u>	<u>4.17</u>

Actual purge volume 17 gal. Field measurements stabilized within ± 10%? _____
 Time/date sampled 13:35 10/1/10 Purged/sampled by Meinas
 Sample method Pump Low Flow
 Requested analyses TDS Cl NO3 TRN
 Comments/observations Low 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 692-09 Date gauged 10/1/10
 Site Del Oro Time gauged 15:29
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 79.13 Feet Height of fluid column _____ Feet
 Total depth 91.25 Feet Volume in well _____ Gallons

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>15:38</u>	<u>5 gal</u>	<u>75.25</u>	<u>2154</u>	<u>7.66</u>	<u>31.10</u>	<u>57.1</u>
	<u>15</u>	<u>73.84</u>	<u>2143</u>	<u>7.93</u>	<u>44.90</u>	<u>6.12</u>
	<u>25</u>	<u>73.22</u>	<u>2159</u>	<u>7.89</u>	<u>34.7</u>	<u>5.55</u>

Actual purge volume 27 gal. Field measurements stabilized within ± 10%?

Time/date sampled 15:50 10/1/10 Purged/sampled by H. Evans

Sample method Pump Log Flow

Requested analyses TKM NO3 TDS CL

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 340-01 Date gauged 9-21-10
 Site Bright Star Time gauged 13:00
 Depth to PSH _____ Feet Well diameter 4 Inches
 Depth to water 37.4 Feet Height of fluid column 11.64 Feet
 Total depth 48.85 Feet Volume in well 7.8 Gallons

(3 well volumes = 23.0 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 13:00 Purge Method Bailer

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>13:10</u>	<u>0.5</u>	<u>31.36</u>	<u>3760</u>	<u>8.0</u>	<u>-4.8</u>	<u>6.34</u>
	<u>10</u>	<u>71.02</u>	<u>3900</u>	<u>7.83</u>	<u>-32.7</u>	<u>5.84</u>
	<u>20</u>	<u>70.24</u>	<u>3590</u>	<u>7.68</u>	<u>-32.2</u>	<u>5.81</u>

Actual purge volume 21 gal. Field measurements stabilized within ± 10%?

Time/date sampled 13:50 9/21/10 Purged/sampled by T. Plimley

Sample method Bailer

Requested analyses TKN Nitrates CL TDS

Comments/observations 1 Bailer 55 ft rope

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 340-02 Date gauged 9-21-10
 Site _____ Time gauged 14:18
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 48.89 Feet Height of fluid column 7.81 Feet
 Total depth 56.70 Feet Volume in well 5.15 Gallons

(3 well volumes = 15.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method Bailer

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>14:25</u>	<u>0.5</u>	<u>73.72</u>	<u>4649</u>	<u>8.08</u>	<u>-14.5</u>	<u>3.85</u>
	<u>10</u>	<u>72.48</u>	<u>4548</u>	<u>7.73</u>	<u>-17.8</u>	<u>3.81</u>
	<u>14</u>	<u>72.52</u>	<u>4530</u>	<u>7.64</u>	<u>-14.4</u>	<u>8.52</u>

Actual purge volume 15.5 gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 9/20/10 14:50 Purged/sampled by T. Max

Sample method Bailer

Requested analyses VKw NO₃ TDS CL

Comments/observations 60 ft Rope 2 Bailer (Lagoon)

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Suo Set 257-1 Date gauged 9/24/10
 Site 257-1 Time gauged 10:50
 Depth to PSH Feet Well diameter 2" Inches
 Depth to water 17.09 Feet Height of fluid column 9.26 Feet
 Total depth 26.35 Feet Volume in well 1.54 Gallons

(3 well volumes = 4.72 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 11:05 9/24/10 Purge Method hand

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>11:05</u>	<u>1</u>	<u>29.3</u>	<u>5346</u>	<u>7.85</u>	<u>23</u>	<u>4.75</u>
	<u>3</u>	<u>26.7</u>	<u>5377</u>	<u>7.86</u>	<u>68</u>	<u>4.99</u>
	<u>5</u>	<u>26.7</u>	<u>5396</u>	<u>7.85</u>	<u>70</u>	<u>4.20</u>

Actual purge volume 5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 11:15 9/24/10 Purged/sampled by JA

Sample method hand

Requested analyses TDS TKN NO3- CL

Comments/observations 20' Repe. 1 bottle

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Sew Set 257.2 Date gauged 9/24/10
 Site 257.2 Time gauged 10:25
 Depth to PSH Feet Well diameter 2" Inches
 Depth to water 10.91 Feet Height of fluid column 10.06 Feet
 Total depth 20.97 Feet Volume in well 1.7 Gallons

(3 well volumes = 5.1 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 10:30 9/24/10 Purge Method hand

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>10:30</u>	<u>1</u>	<u>25.4</u>	<u>3130</u>	<u>7.79</u>	<u>92</u>	<u>2317</u>
	<u>3</u>	<u>24.8</u>	<u>3188</u>	<u>7.73</u>	<u>98</u>	<u>2375</u>
	<u>5</u>	<u>22.9</u>	<u>3219</u>	<u>7.64</u>	<u>100</u>	<u>2410</u>

Actual purge volume 5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 10:38 9/24/10 Purged/sampled by LH

Sample method hand

Requested analyses TDS-TKN-CL-NO3

Comments/observations 15' deep 1 barrel

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 257-03 Date gauged 9/27-10
 Site Sunset Dairy Time gauged 12:40
 Depth to PSH _____ Feet Well diameter 2" Inches
 Depth to water 9.26 Feet Height of fluid column 7.71 Feet
 Total depth 13.97 Feet Volume in well 0.83 Gallons

(3 well volumes = 2.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/22/10 Purge Method Boiler

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>12:45</u>	<u>0.5</u>	<u>72.68</u>	<u>2799</u>	<u>7.77</u>	<u>-98.5</u>	<u>3.05</u>
	<u>2</u>	<u>71.77</u>	<u>2903</u>	<u>7.49</u>	<u>-107.4</u>	<u>1.58</u>
	<u>3.5</u>	<u>71.23</u>	<u>2980</u>	<u>7.46</u>	<u>-110.0</u>	<u>1.59</u>

Actual purge volume 4 gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 13:00 9/27/10 Purged/sampled by Hein

Sample method Boiler

Requested analyses TEMP NO₃ CL TDS

Comments/observations 1 Boiler 20' Rope

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 257/260-01 Date gauged 9/27/10
 Site Sunset Time gauged 11:45
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 13.76 Feet Height of fluid column 5.6 Feet
 Total depth 19.36 Feet Volume in well 3.7 Gallons

(3 well volumes = 11 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method Falk Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>11:55</u>	<u>1</u>	<u>70.39</u>	<u>683</u>	<u>8.02</u>	<u>-500.1</u>	<u>2.49</u>
	<u>5</u>	<u>68.80</u>	<u>2373</u>	<u>7.75</u>	<u>-498.2</u>	<u>0.77</u>
	<u>7</u>	<u>68.80</u>	<u>3213</u>	<u>7.51</u>	<u>-463.1</u>	<u>0.49</u>
	<u>10</u>	<u>66.04</u>	<u>3238</u>	<u>7.48</u>	<u>-455.4</u>	<u>0.41</u>

Actual purge volume 11 gal. Field measurements stabilized within ± 10%?

Time/date sampled 12:10 9/27/10 Purged/sampled by M. J. [Signature]

Sample method Low Flow Falk Pump

Requested analyses TKN NO₃ TDS CL

Comments/observations 25 ft Testing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Buena Vista 74-01 Date gauged 9/17/10
 Site 74-01 Time gauged 2:20
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 31.98 Feet Height of fluid column 13.31 Feet
 Total depth 45.29 Feet Volume in well 6.79 Gallons

(3 well volumes = 26.3 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 2:43 9/17/10 Purge Method hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>2:43</u>	<u>5</u>	<u>37.0</u>	<u>4392</u>	<u>9.1</u>	<u>102</u>	<u>3353</u>
	<u>5</u>	<u>30.5</u>	<u>4395</u>	<u>7.72</u>	<u>106</u>	<u>3358</u>
	<u>5</u>	<u>28.6</u>	<u>4402</u>	<u>7.77</u>	<u>118</u>	<u>3380</u>
	<u>10</u>	<u>28.6</u>	<u>4419</u>	<u>7.76</u>	<u>115</u>	<u>3377</u>

Actual purge volume 25 gal. Field measurements stabilized within ± 10%? yes

Time/date sampled 9/17/10 3:25pm Purged/sampled by LH

Sample method bailed

Requested analyses TKN - NO₃ - CL - TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Bayview Vista 7402 Date gauged 9/17/10
 Site 74-02 Time gauged 1:35 - 1:35
 Depth to PSH / Feet Well diameter 4" Inches
 Depth to water 12.50 Feet Height of fluid column 7.8 Feet
 Total depth 20.30 Feet Volume in well 5.14 Gallons

(3 well volumes = 15.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 1:45 9/17/10 Purge Method hand Bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>13:50</u>	<u>5</u>	<u>31.3</u>	<u>4008</u>	<u>7.52</u>	<u>80</u>	<u>3480</u>
	<u>5</u>	<u>28.0</u>	<u>4446</u>	<u>7.57</u>	<u>72</u>	<u>3400</u>
	<u>5</u>	<u>27.5</u>	<u>4408</u>	<u>7.43</u>	<u>85</u>	<u>3424</u>

Actual purge volume 15.5 gal. Field measurements stabilized within ± 10%? yes

Time/date sampled 2:10 9/17/10 Purged/sampled by JH

Sample method Bailed

Requested analyses TKN - NO3 - CL - TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 74-05 Date gauged 9-17-10
 Site Buena Vista Overlay Time gauged _____
74-05
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 37.03 Feet Height of fluid column 20.46 Feet
 Total depth 57.49 Feet Volume in well 13.50 Gallons

(3 well volumes = 40.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/17/10 Purge Method _____

Time	Purge Volume (gal)	Temp (°F)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>15:15</u>	<u>20</u>	<u>71.33</u>	<u>2775</u>	<u>7.26</u>	<u>41.5</u>	<u>0.58</u>
		<u>71.34</u>	<u>2782</u>	<u>7.18</u>	<u>39.7</u>	<u>0.72</u>
	<u>35</u>	<u>71.33</u>	<u>3186</u>	<u>7.06</u>	<u>36.2</u>	<u>.68</u>

Actual purge volume 45 gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 3:45 9/17/10 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID B25ky 833-01 Date gauged 9/27/10
 Site 833-01 Time gauged 16:10
 Depth to PSH ✓ Feet Well diameter 4 Inches
 Depth to water 34.71 Feet Height of fluid column 1.84 Feet
 Total depth 36.55 Feet Volume in well 1.21 Gallons

(3 well volumes = 3.64 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 16:08 9/27/10 Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>16:18</u>	<u>1</u>	<u>22.7</u>	<u>5213</u>	<u>8.64</u>	<u>30</u>	<u>4095</u>
	<u>2</u>	<u>21.5</u>	<u>5180</u>	<u>8.30</u>	<u>60</u>	<u>4096</u>
	<u>3</u>	<u>22.5</u>	<u>5179</u>	<u>8.28</u>	<u>58</u>	<u>4088</u>

Actual purge volume 3. gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 16:30 9/27/10 Purged/sampled by LJA

Sample method hand

Requested analyses TDS-TKN-NO3-CL

Comments/observations 1 Boiler 40' deep

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Big Sky 833-02 Date gauged 9/23/10
 Site 833-02 Time gauged 13:00
 Depth to PSH / Feet Well diameter 4" Inches
 Depth to water 31.1 Feet Height of fluid column 24.68 Feet
 Total depth 55.79 Feet Volume in well 16.28 Gallons
 (3 well volumes = 48.86 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 1927 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:47	17	25.9	4845	8.42	9	3740
	34	24	5520	8.02	13	4336
	51	24.7	5226	7.99	18	4354

Actual purge volume _____ gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 14:00 9/23/10 Purged/sampled by /

Sample method Low Flow

Requested analyses TKN - TDS - NO₃ - CL

Comments/observations 35' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Big Sky 833-03 Date gauged 9/23/10
 Site 833-03 Time gauged 10:10
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 59.90 Feet Height of fluid column 2.61 Feet
 Total depth 62.51 Feet Volume in well 1.72 Gallons

(3 well volumes = 5.1 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/23/10 10:25 Purge Method hand

Time	Purge Volume (gal)	Temp (°C)	SpC (us/cm)	pH	ORP (mV)	DO (mg/L)
<u>10:25</u>	<u>1</u>	<u>21.1</u>	<u>6018</u>	<u>7.47</u>	<u>68</u>	<u>4759</u>
	<u>2</u>	<u>21.2</u>	<u>6020</u>	<u>7.50</u>	<u>85</u>	<u>4766</u>
	<u>5</u>	<u>21.2</u>	<u>6022</u>	<u>7.48</u>	<u>72</u>	<u>4770</u>

Actual purge volume 5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/23/10 10:35 Purged/sampled by L.A

Sample method hand

Requested analyses TDS-TAN-NO₃-CL

Comments/observations 60' Pipe / Bailin

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 833-04 Date gauged 9-24-10
 Site Big Sky Time gauged 8:35
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 38.72 Feet Height of fluid column 15.83 Feet
 Total depth 54.55 Feet Volume in well 10.45 Gallons

(3 well volumes = 31.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 8:45 9/24/10 Purge Method Foot Casing Pump Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>8:45</u>	<u>0.5</u>	<u>70.40</u>	<u>3450</u>	<u>7.4</u>	<u>3.4</u>	<u>4.25</u>
	<u>20</u>	<u>68.24</u>	<u>3257</u>	<u>7.28</u>	<u>-7.2</u>	<u>2.56</u>
	<u>30</u>	<u>68.16</u>	<u>3248</u>	<u>7.22</u>	<u>-7.1</u>	<u>2.34</u>

Actual purge volume 31 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9:20 9-24-10 Purged/sampled by McIntosh

Sample method Foot Casing Pump

Requested analyses TRN NO; TDS CL

Comments/observations 45 ft Testing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Rig Sky 833-05 Date gauged 9/24/10
 Site 833-05 Time gauged 8:00
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 61.03 Feet Height of fluid column 12.89 Feet
 Total depth 73.92 Feet Volume in well 8.50 Gallons

(3 well volumes = 25.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 8:30 9/24/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
8:20	9	20.8	6093	7.75	-0	4841
	18	20.7	6075	7.66	-30	4772
	27	20.7	6022	7.62	-0	4751

Actual purge volume 27 gal. Field measurements stabilized within ± 10%?

Time/date sampled 8:27 9/24/10 Purged/sampled by LA

Sample method Low Flow

Requested analyses

Comments/observations TKN - TDS - NO₃ - CL

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Big Sky 833-06 Date gauged 9/23/10
 Site 833-06 Time gauged 7:35
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 71.77 Feet Height of fluid column 13.28 Feet
 Total depth 85.05 Feet Volume in well 8.76 Gallons

(3 well volumes = 26.29 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 8:02 9/23/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>8:10</u>	<u>10</u>	<u>22.5</u>	<u>4287</u>	<u>7.77</u>	<u>32</u>	<u>3254</u>
	<u>20</u>	<u>22.6</u>	<u>4343</u>	<u>7.54</u>	<u>50</u>	<u>3324</u>
	<u>30</u>	<u>22.4</u>	<u>4470</u>	<u>7.64</u>	<u>68</u>	<u>3390</u>

Actual purge volume 30 gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 9:36 9/23/10 Purged/sampled by LH

Sample method Low Flow

Requested analyses TKN - NO₃ - TDS - CL

Comments/observations 75' + bxy

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID B.9 Sky 833-07 Date gauged 9/24/10
 Site 833-07 Time gauged 855
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 52.55 Feet Height of fluid column 15.89 Feet
 Total depth 73.44 Feet Volume in well 10.48 Gallons
 (3 well volumes = 31.46 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9:05 9/24/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>9:05</u>	<u>10</u>	<u>29.4</u>	<u>5937</u>	<u>7.71</u>	<u>12</u>	<u>4721</u>
	<u>20</u>	<u>26.8</u>	<u>5914</u>	<u>7.34</u>	<u>15</u>	<u>4710</u>
	<u>31</u>	<u>27.8</u>	<u>5934</u>	<u>7.50</u>	<u>23</u>	<u>4692</u>

Actual purge volume 51 gal. Field measurements stabilized within ± 10%?
 Time/date sampled 9:21 9/24/10 Purged/sampled by DA
 Sample method Low Flow
 Requested analyses TAN-TDS-NH₃-CL
 Comments/observations 65' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 8456, 833.08 Date gauged 9/23/10
 Site 833.08 Time gauged 10:50
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 56.15 Feet Height of fluid column 17.39 Feet
 Total depth 73.54 Feet Volume in well 11.47 Gallons

(3 well volumes = 34.43 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 11:10 9/23/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>11:10</u>	<u>12</u>	<u>26.3</u>	<u>5712</u>	<u>7.67</u>	<u>118</u>	<u>4482</u>
	<u>24</u>	<u>24.9</u>	<u>5736</u>	<u>7.64</u>	<u>112</u>	<u>4502</u>
	<u>36</u>	<u>25.4</u>	<u>5687</u>	<u>7.42</u>	<u>110</u>	<u>4469</u>

Actual purge volume 36 gal. Field measurements stabilized within ± 10%?

Time/date sampled 11:20 9/23/10 Purged/sampled by LJA

Sample method Low Flow

Requested analyses TDS, TAN, NO₃-C2

Comments/observations 60' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 833-09 Date gauged 9-24-10
 Site Big Sky Time gauged 11:40
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 22.45 Feet Height of fluid column 17.35 Feet
 Total depth 39.80 Feet Volume in well 11.45 Gallons
 (3 well volumes = 34.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 11:45 9-24-10 Purge Method Fultz Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>11:56</u>	<u>2</u>	<u>70.24</u>	<u>6172</u>	<u>7.79</u>	<u>25.1</u>	<u>10.55</u>
	<u>15</u>	<u>70.20</u>	<u>5944</u>	<u>7.57</u>	<u>6.2</u>	<u>0.71</u>
	<u>25</u>	<u>70.27</u>	<u>5770</u>	<u>7.45</u>	<u>0.0</u>	<u>0.46</u>
	<u>31</u>	<u>70.26</u>	<u>5740</u>	<u>7.43</u>	<u>-0.8</u>	<u>0.42</u>
	<u>35</u>	<u>70.27</u>	<u>5703</u>	<u>7.42</u>	<u>-1.0</u>	<u>0.42</u>

Actual purge volume 35 gal. Field measurements stabilized within ± 10%?

Time/date sampled 12:20 9/24/10 Purged/sampled by McInnes

Sample method Fultz Pump Low Flow

Requested analyses TKN No3 TDS CL

Comments/observations 45 ft Tabing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 833-10 Date gauged 9/23/10
 Site _____ Time gauged 17:20
 Depth to PSH _____ Feet Well diameter 4 Inches
 Depth to water 17.27 Feet Height of fluid column 20.08 Feet
 Total depth 37.30 Feet Volume in well 13.25 Gallons

(3 well volumes = 39.75 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 12:55 Purge Method Fultz Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>12:58</u>	<u>1</u>	<u>66.31</u>	<u>3642</u>	<u>7.84</u>	<u>26.0</u>	<u>1.52</u>
	<u>15</u>	<u>65.84</u>	<u>3617</u>	<u>7.57</u>	<u>-20.0</u>	<u>0.60</u>
	<u>35</u>	<u>65.75</u>	<u>3613</u>	<u>7.44</u>	<u>-17.4</u>	<u>0.40</u>
	<u>40</u>	<u>65.76</u>	<u>3613</u>	<u>7.43</u>	<u>-17.2</u>	<u>0.38</u>

Actual purge volume 40 gal. Field measurements stabilized within ± 10%?

Time/date sampled 13:15 9/23/10 Purged/sampled by _____

Sample method Fultz Pump Low Flow

Requested analyses TKN PO₄ TDS CL

Comments/observations 30 ft Testing

Well Casing Volumes
 2" diameter = 0.17 gal/ft, 4" diameter = 0.86 gal/ft, 5" diameter = 1.02 gal/ft, 6" diameter = 1.50 gal/ft

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 42-02 Date gauged 10/1/10
 Site Dominquez II Time gauged 11:05
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 22.62 Feet Height of fluid column _____ Feet
 Total depth to 59.62 Feet Volume in well _____ Gallons
pump
 (3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 11:10 Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (us/cm)	pH	ORP (mV)	DO (mg/L)
	10	69.20	2986	8.08	-13.1	4.33 4.77
	20	68.58	2855	7.75	-5.9	4.33
	30	68.43	2848	7.59	-2.2	4.52
	40	68.44	2851	7.46	-1.8	3.91

Actual purge volume 45 gal. Field measurements stabilized within ± 10%?

Time/date sampled 11:25 10/1/10 Purged/sampled by Heinuss

Sample method _____

Requested analyses TKN NO₂ CC TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 42-03 Date gauged 10/1/10
 Site Dominion Time gauged 9:16
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 79.35 Feet Height of fluid column _____ Feet
 Total depth 9490 Feet Volume in well _____ Gallons

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9:26 10/1/10 Purge Method Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>9:30</u>	<u>10</u>	<u>78.40</u>	<u>5417</u>	<u>7.57</u>	<u>-4.5</u>	<u>3.96</u>
	<u>20</u>	<u>78.52</u>	<u>5557</u>	<u>7.53</u>	<u>-32.1</u>	<u>4.14</u>
	<u>30</u>	<u>78.90</u>	<u>5591</u>	<u>7.40</u>	<u>-38.8</u>	<u>3.57</u>
	<u>40</u>	<u>79.18</u>	<u>5632</u>	<u>7.38</u>	<u>-39.9</u>	<u>3.52</u>

Actual purge volume 45 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9:40 10/1/10 Purged/sampled by Hein

Sample method Pump Low Flow

Requested analyses TDS CL TRN NO3

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 42-06 Date gauged 10/1/10
 Site Northridge II Time gauged 10:37
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 28.58 Feet Height of fluid column _____ Feet
 Total depth 39.13 Feet Volume in well _____ Gallons
to pump

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 10:38 Purge Method Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>10:46</u>	<u>10</u>	<u>73.08</u>	<u>4223</u>	<u>7.73</u>	<u>4.77</u>	<u>8.9</u>
	<u>20</u>	<u>72.06</u>	<u>4056</u>	<u>7.63</u>	<u>-13.5</u>	<u>4.21</u>
	<u>30</u>	<u>71.64</u>	<u>4033</u>	<u>7.60</u>	<u>-15.1</u>	<u>4.54</u>
	<u>40</u>	<u>71.46</u>	<u>4028</u>	<u>7.59</u>	<u>-15.7</u>	<u>4.46</u>

Actual purge volume 45 gal. Field measurements stabilized within ± 10%?

Time/date sampled 10:55 10/1/10 Purged/sampled by Heinig

Sample method Pump low flow

Requested analyses NO₃ TRN CL TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 42-07 Date gauged 10/1/10
 Site Dominquez II Time gauged 10:00
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 71.36 Feet Height of fluid column _____ Feet
 Total depth 74.30 Feet Volume in well _____ Gallons
to pump

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 10:05 Purge Method Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:12	10	75.71	6059	7.50	24.9	7.09
	20	75.07	6207	7.46	22.8	6.69
	30	75.44	6320	7.33	16.5	6.65
	40	75.32	6304	7.30	16.0	6.74

Actual purge volume 47 gal. Field measurements stabilized within ± 10%?

Time/date sampled 10:22 10/1/10 Purged/sampled by Meiners

Sample method Pump Low Flow

Requested analyses NO₃ TKN CL TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 42-08 Date gauged 10/1/10
 Site Tommy's II Time gauged 11:30
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 24.62 Feet Height of fluid column _____ Feet
 Total depth 32.47 Feet Volume in well _____ Gallons
To Pump
 (3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 11:36 Purge Method Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
11:40	10	70.75	2815	7.85	5.5	5.93
	20	70.01	2877	7.69	6.3	3.09
	25	70.25	2890	7.63	2.8	5.51
	30	70.89	2892	7.59	2.1	5.45
	35	70.99	2890	7.15	-1.5	

Actual purge volume 36 gal. Field measurements stabilized within ± 10%? _____
 Time/date sampled 11:47 10/1/10 Purged/sampled by PLAUS
 Sample method Pump Low Flow
 Requested analyses TKN NO3 TDS CL
 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 42-09 Date gauged 09/29/10
 Site Downing II Time gauged 14:30
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 44.32 Feet Height of fluid column _____ Feet
 Total depth 55.23 Feet Volume in well _____ Gallons
No Pump

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 13:35 Purge Method Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>13:38</u>	<u>5</u>	<u>73.17</u>	<u>4076</u>	<u>7.53</u>	<u>-19.9</u>	<u>5.00</u>
	<u>10</u>	<u>72.93</u>	<u>4062</u>	<u>7.48</u>	<u>-20.8</u>	<u>4.77</u>
	<u>15</u>	<u>72.82</u>	<u>4064</u>	<u>7.42</u>	<u>-21.4</u>	<u>4.69</u>
	<u>20</u>	<u>72.56</u>	<u>4081</u>	<u>7.42</u>	<u>-21.8</u>	<u>4.91</u>

Actual purge volume 30 gal. Field measurements stabilized within ± 10%? ✓

Time/date sampled 14:45 9/28/10 Purged/sampled by Meius

Sample method Imp

Requested analyses TDS CL NO₃ TRN

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 42-10 Date gauged 10/1/10
 Site Dominquez II Time gauged 8:30
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 109.86 Feet Height of fluid column _____ Feet
 Total depth 122.36 Feet Volume in well _____ Gallons
to pump

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9:38 Purge Method Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (us/cm)	pH	ORP (mV)	DO (mg/L)
<u>8:42</u>	<u>10</u>	<u>81.52</u>	<u>2391</u>	<u>7.42</u>	<u>17.1</u>	<u>5.50</u>
	<u>20</u>	<u>81.91</u>	<u>2396</u>	<u>7.44</u>	<u>18.3</u>	<u>5.44</u>
	<u>30</u>	<u>82.04</u>	<u>2387</u>	<u>7.44</u>	<u>17.3</u>	<u>5.35</u>
	<u>40</u>	<u>81.85</u>	<u>2396</u>	<u>7.45</u>	<u>17.4</u>	<u>5.38</u>

Actual purge volume 43 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9:55 10/1/10 Purged/sampled by Meiners

Sample method Pump Low Flow

Requested analyses NO₃ TEN CL TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 42-11 Date gauged 10-01-10
 Site Dominguez II Time gauged 07:10
 Depth to PSH _____ Feet Well diameter 4 Inches
 Depth to water 120.73 Feet Height of fluid column _____ Feet
 Total depth to 132.70 Feet Volume in well _____ Gallons
 Pump

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 7:25 10/1/10 Purge Method Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
7:30	5	82.56	2072	7.75	15.9	4.64
	10	78.96	2082	7.73	16.9	7.01
	15		2135	7.64	18.1	6.38
	20		2121	7.72	18.8	6.20

Actual purge volume 23 gal. Field measurements stabilized within ± 10%?
 Time/date sampled 7:40 Purged/sampled by Heinos
 Sample method Pump low Flow
 Requested analyses TRN NO3 CLTAS
 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 42-12 Date gauged 10-1-10
 Site Dominique II Time gauged 8:00
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 127.10 Feet Height of fluid column _____ Feet
 Total depth 141.07 Feet Volume in well _____ Gallons

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>8:08</u>	<u>10</u>	<u>82.35</u>	<u>2040</u>	<u>7.42</u>	<u>1.6</u>	<u>5.50</u>
	<u>20</u>	<u>84.16</u>	<u>2125</u>	<u>7.67</u>	<u>4.8</u>	<u>5.14</u>
	<u>30</u>	<u>84.11</u>	<u>2124</u>	<u>7.73</u>	<u>6.4</u>	<u>5.14</u>
	<u>35</u>	<u>84.28</u>	<u>2132</u>	<u>7.68</u>	<u>6.3</u>	<u>5.34</u>

Actual purge volume 40 gal. Field measurements stabilized within ± 10%?

Time/date sampled 8:20 10-1-10 Purged/sampled by Heins

Sample method Pump

Requested analyses TKN NO₃ TDS CL

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 42-13 Date gauged ~~9/28~~ 9/28/10
 Site Dominion II Time gauged 13:55
 Depth to PSH _____ Feet Well diameter _____ Inches
 Depth to water 52.45 Feet Height of fluid column _____ Feet
 Total depth to 60.72 Feet Volume in well _____ Gallons
Pump

(3 well volumes = _____ gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 14:00 Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:03	10 1	73.93	5728	7.77	-6.4	2.55
14:06	10	74.73	5458	7.60	-27.0	4.48
14:14	20	75.46	5068	7.49	-33.5	2.35
14:20	25	75.30	4975	7.39	-35.1	2.40

Actual purge volume 30 gal. Field measurements stabilized within ± 10%?

Time/date sampled 14:25 9/28/10 Purged/sampled by Heigler

Sample method Pump

Requested analyses TKN NO₃ CL TDS

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

10/11/10

ATTACHMENT E MONITOR WELL SAMPLING FIELD FORM

FLUID LEVEL DATA

Well ID 167-01 Date gauged 9-27-10
 Site River Valley Time gauged 4:30
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 119.5 Feet Height of fluid column 96.15 Feet
 Total depth 108.1 Feet Volume in well 63.45 Gallons

(3 well volumes = 190.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9:40 9/27/10 Purge Method Full Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>9:42</u>	<u>1</u>	<u>65.89</u>	<u>3275</u>	<u>7.60</u>	<u>33.2</u>	<u>4.20</u>
	<u>25</u>	<u>67.29</u>	<u>3341</u>	<u>7.33</u>	<u>24.7</u>	<u>2.97</u>
	<u>50</u>	<u>67.64</u>	<u>3356</u>	<u>7.26</u>	<u>23.5</u>	<u>2.92</u>
	<u>60</u>	<u>67.79</u>	<u>3362</u>	<u>7.25</u>	<u>22.6</u>	<u>2.89</u>
	<u>90</u>	<u>67.90</u>	<u>3365</u>	<u>7.24</u>	<u>22.3</u>	<u>2.88</u>
	<u>105</u>	<u>67.93</u>	<u>3366</u>	<u>7.23</u>	<u>22.2</u>	<u>2.88</u>

Actual purge volume 110 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/27/10 Purged/sampled by Revised

Sample method Low Flow Full Pump

Requested analyses TKN NO3 TDS CL

Comments/observations 130 ft Tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 167-01A Date gauged 9/22/10
 Site River Valley Time gauged 13:40
 Depth to PSH 12.20 Feet Well diameter 2ⁱⁿ Inches
 Depth to water 12.20 Feet Height of fluid column 14.16 Feet
 Total depth 26.36 Feet Volume in well 2.4 Gallons
 (3 well volumes = 7.2 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 13:45 9/22/10 Purge Method Barley

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>13:45</u>	<u>0.25</u>	<u>70.35</u>	<u>4980</u>	<u>7.47</u>	<u>3.5</u>	<u>3.28</u>
	<u>4</u>	<u>67.94</u>	<u>4864</u>	<u>7.32</u>	<u>-73</u>	<u>2.01</u>
	<u>6</u>	<u>67.77</u>	<u>4842</u>	<u>7.28</u>	<u>-8.2</u>	<u>1.79</u>
	<u>7.5</u>	<u>67.86</u>	<u>4857</u>	<u>7.26</u>	<u>-8.1</u>	<u>1.45</u>

Actual purge volume 7.5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 14:03 9/22/10 Purged/sampled by J. Glantz

Sample method Barley

Requested analyses TKN, NO₃, CL, TDS

Comments/observations 1 Barley 20 ft Rope

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 167-02 Date gauged 9-22-10
 Site River Valley Time gauged 13:00
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 13.77 Feet Height of fluid column 7.39 Feet
 Total depth 21.16 Feet Volume in well 4.87 Gallons

(3 well volumes = 14.63 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 13:10 Purge Method Bailer

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>13:10</u>	<u>1</u>	<u>71.23</u>	<u>3295</u>	<u>7.88</u>	<u>41.2</u>	<u>4.75</u>
	<u>5</u>	<u>68.61</u>	<u>3106</u>	<u>7.41</u>	<u>48.8</u>	<u>3.06</u>
	<u>10</u>	<u>67.62</u>	<u>3054</u>	<u>7.98</u>	<u>36.7</u>	<u>2.25</u>
	<u>14</u>	<u>68.14</u>	<u>3052</u>	<u>7.15</u>	<u>34.3</u>	<u>2.31</u>

Actual purge volume 15 gal. Field measurements stabilized within ± 10% _____
 Time/date sampled 13:35 9/22/10 Purged/sampled by J. King
 Sample method Bailer
 Requested analyses TKN NO₃ CL TDS
 Comments/observations 1 Bailer 20 ft Rope

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID River Valley 167-07 Date gauged 9/22/10
 Site 16703 Time gauged 3:15 PM
 Depth to PSH Feet Well diameter 4 1/2" Inches
 Depth to water 18.78 Feet Height of fluid column 22.22 Feet
 Total depth 41. Feet Volume in well 14.66 Gallons

(3 well volumes = 43.99 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 3:30 9/22/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
3:30	15	29.9	3430	7.75	93	2546
	30	28.4	3763	7.51	22	2516
	45	27.4	3354	7.55	30	2506

Actual purge volume 45 gal. Field measurements stabilized within ± 10%?

Time/date sampled 3:45 9/22/10 Purged/sampled by LA

Sample method Low Flow

Requested analyses TDS - TKN - NO₃ - CL

Comments/observations 25' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 167-05 Date gauged 9/23/10
 Site River Valley Time gauged 14:15
 Depth to PSH _____ Feet Well diameter 2" Inches
 Depth to water 22.11 Feet Height of fluid column 11.27 Feet
 Total depth 33.38 Feet Volume in well 191 Gallons

(3 well volumes = 5.7 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 14:20 Purge Method Bailey

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>1421</u>	<u>0.25</u>	<u>71.07</u>	<u>3327</u>	<u>8.03</u>	<u>-1.1</u>	<u>3.45</u>
	<u>2</u>	<u>70.37</u>	<u>3270</u>	<u>7.96</u>	<u>-3.1</u>	<u>2.29</u>
		<u>70.28</u>	<u>3260</u>	<u>7.78</u>	<u>-3.8</u>	<u>2.75</u>

Actual purge volume 5.5 gal. Field measurements stabilized within ± 10%? /

Time/date sampled 14:35 9/23/10 Purged/sampled by T. Minus

Sample method Bailey

Requested analyses TKN NO₃ CL TDS

Comments/observations 1 Bailey 30' Rope

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Russell Hwy 167-06 Date gauged 9/22/10
 Site 167-06 Time gauged 2:15 pm
 Depth to PSH Feet Well diameter 2" Inches
 Depth to water 26.71 Feet Height of fluid column 9.75 Feet
 Total depth 36.46 Feet Volume in well 1.65 Gallons

(3 well volumes = 4.97 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 2:40 Purge Method hand

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>2:40</u>	<u>1</u>	<u>32.7</u>	<u>4199</u>	<u>7.62</u>	<u>123</u>	<u>3180</u>
	<u>3</u>	<u>31.4</u>	<u>4224</u>	<u>7.50</u>	<u>105</u>	<u>3207</u>
	<u>5</u>	<u>27.9</u>	<u>4210</u>	<u>7.37</u>	<u>93</u>	<u>3206</u>

Actual purge volume 5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 2:50 9/22/10 Purged/sampled by KA

Sample method hand

Requested analyses TDS - TKD - NO₃ - CL

Comments/observations 1 Bailin 30' deep

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 167-07 Date gauged 9/22/10
 Site River Valley Time gauged 14.25
 Depth to PSH _____ Feet Well diameter 2" Inches
 Depth to water 12.04 Feet Height of fluid column 14.98 Feet
 Total depth 27.02 Feet Volume in well 2.54 Gallons

(3 well volumes = 7.6 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 14:40 9/22/10 Purge Method Bailer

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>14:40</u>	<u>0.25</u>	<u>70.12</u>	<u>2182</u>	<u>7.94</u>	<u>-1.0</u>	<u>3.80</u>
	<u>4</u>	<u>70.01</u>	<u>2119</u>	<u>7.63</u>	<u>-15.9</u>	<u>3.01</u>
	<u>6</u>	<u>68.58</u>	<u>2095</u>	<u>7.59</u>	<u>-14.1</u>	<u>2.83</u>
	<u>7</u>	<u>68.54</u>	<u>2121</u>	<u>7.61</u>	<u>-20.3</u>	<u>2.71</u>

Actual purge volume 2.5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 14:55 Purged/sampled by T. Klein

Sample method Bailer

Requested analyses TICR NO₃ CL TDS

Comments/observations 20 ft Rope 1 Bailer

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID River Valley 167-08 Date gauged 9/23/10
 Site 167-08 Time gauged 12:25
 Depth to PSH / Feet Well diameter 2" Inches
 Depth to water 12.91 Feet Height of fluid column 18.7 Feet
 Total depth 31.61 Feet Volume in well 2.17 Gallons

(3 well volumes = 9.53 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 12:34 9/23/10 Purge Method Hand

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>12:34</u>	<u>3</u>	<u>25.5</u>	<u>4348</u>	<u>8.06</u>	<u>39</u>	<u>3321</u>
	<u>6</u>	<u>24.4</u>	<u>4445</u>	<u>7.87</u>	<u>66</u>	<u>3422</u>
	<u>9</u>	<u>24.1</u>	<u>4469</u>	<u>7.70</u>	<u>71</u>	<u>3450</u>

Actual purge volume 9 gal. Field measurements stabilized within ± 10%?

Time/date sampled 12:50 9/23/10 Purged/sampled by JAR

Sample method hand

Requested analyses THN-TDS-NO₃-CL

Comments/observations 15' core 1 barrel

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 167-09 Date gauged 9-24-10
 Site River Valley Time gauged 10:35
 Depth to PSH _____ Feet Well diameter 2" Inches
 Depth to water 12.06 Feet Height of fluid column 16.1 Feet
 Total depth 28.12 Feet Volume in well 2.7 Gallons

(3 well volumes = 8.2 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 10:37 9-24-10 Purge Method Full Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	<u>1</u>	<u>64.97</u>	<u>2696</u>	<u>7.99</u>	<u>5.2</u>	<u>1.85</u>
	<u>5</u>	<u>64.69</u>	<u>2691</u>	<u>7.88</u>	<u>4.5</u>	<u>0.93</u>
	<u>7</u>	<u>64.70</u>	<u>2691</u>	<u>7.78</u>	<u>2.7</u>	<u>0.58</u>
	<u>10</u>	<u>65.62</u>	<u>2690</u>	<u>7.71</u>	<u>1.0</u>	<u>0.46</u>

Actual purge volume 10 gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 10:45 9/24/10 Purged/sampled by Heinrich

Sample method Full Pump Low Flow

Requested analyses NO₃ TRN CL TDS

Comments/observations 35 ft Tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Bernadisa A 86-1 Date gauged 9/20/10
 Site 86-1 Time gauged 9:55
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 44.02 Feet Height of fluid column 10.97 Feet
 Total depth 54.39 Feet Volume in well 6.84 Gallons

(3 well volumes = 20.52 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 10:05 Purge Method hand

Time	Purge Volume (gal)	Temp (°C)	SpC (us/cm)	pH	ORP (mV)	DO (mg/L)
10:15	5.	27.	8423	7.28	74	6990
	10.	26.	9447	7.24	89	7820
	15.	26.	9707	7.30	98	7921
	20.	27. 26.	9706	7.25	120	8073

Actual purge volume 20 gal. Field measurements stabilized within ± 10%?

Time/date sampled 10:48 9/20/10 Purged/sampled by L.H.

Sample method hand Bail

Requested analyses TDS CL

Comments/observations 50' loose 1 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID BOPRA Vsta1 86-2 Date gauged 9/20/10
 Site 86-2 Time gauged 11:15
 Depth to PSH Feet Well diameter 4" J1 Inches
 Depth to water 26.11 Feet Height of fluid column 22.34 Feet
 Total depth 48.45 Feet Volume in well 14.74 Gallons

(3 well volumes = 44.2 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 11:30 9/20/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>11:44</u>	<u>5</u>	<u>30.0</u>	<u>4815</u>	<u>7.46</u>	<u>112</u>	<u>3696</u>
	<u>15</u>	<u>26.2</u>	<u>4724</u>	<u>7.72</u>	<u>126</u>	<u>3636</u>
	<u>35</u>	<u>30.0</u>	<u>4739</u>	<u>9.67</u>	<u>110</u>	<u>3654</u>
	<u>45</u>	<u>28.1</u>	<u>4722</u>	<u>7.70</u>	<u>96</u>	<u>3678</u>

Actual purge volume 45 gal. Field measurements stabilized within ± 10%?

Time/date sampled 12:30 9/20/10 Purged/sampled by L.H.

Sample method Low Flow

Requested analyses TDS - CL⁻ NO₃⁻ TKN

Comments/observations 30 ft tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 340-01 Date gauged 9-21-10
 Site Bright Star Time gauged 13:00
 Depth to PSH _____ Feet Well diameter 4 Inches
 Depth to water 37.4 Feet Height of fluid column 11.64 Feet
 Total depth 48.85 Feet Volume in well 7.8 Gallons

(3 well volumes = 23.0 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 13:00 Purge Method Bailer

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>13:10</u>	<u>0.5</u>	<u>71.36</u>	<u>3760</u>	<u>8.0</u>	<u>-4.8</u>	<u>6.34</u>
	<u>10</u>	<u>72.02</u>	<u>3900</u>	<u>7.83</u>	<u>-32.7</u>	<u>5.84</u>
	<u>20</u>	<u>70.24</u>	<u>3590</u>	<u>7.68</u>	<u>-32.2</u>	<u>5.81</u>

Actual purge volume 21 gal. Field measurements stabilized within ± 10%?

Time/date sampled 13:50 9/21/10 Purged/sampled by T. Minors

Sample method Bailer

Requested analyses TRM Nitrates CL TDS

Comments/observations 1 Bailer 55 ft rope

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 340.02 Date gauged 9-21-10
 Site Bright Star Time gauged 14:18
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 48.89 Feet Height of fluid column 7.81 Feet
 Total depth 56.70 Feet Volume in well 5.15 Gallons
 (3 well volumes = 15.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method Bailer

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>14:25</u>	<u>0.5</u>	<u>73.72</u>	<u>4649</u>	<u>8.09</u>	<u>-14.5</u>	<u>3.85</u>
	<u>10</u>	<u>72.48</u>	<u>4548</u>	<u>7.73</u>	<u>-17.8</u>	<u>3.81</u>
	<u>14</u>	<u>72.52</u>	<u>4530</u>	<u>7.64</u>	<u>-14.4</u>	<u>8.52</u>

Actual purge volume 15.5 gal. Field measurements stabilized within ± 10%? _____
 Time/date sampled 9/20/10 14:50 Purged/sampled by E. Max
 Sample method Bailer
 Requested analyses VK_N NO₃ TDS CL
 Comments/observations 60 ft Rope 2 Bailer (Lagoon)

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID #1 Bernadista 86-1 Date gauged 9/20/10
 Site 86-1 Time gauged 9:55
 Depth to PSH ✓ Feet Well diameter 2 1/2" Inches
 Depth to water 44.02 Feet Height of fluid column 10.57 Feet
 Total depth 54.39 Feet Volume in well 6.84 Gallons

(3 well volumes = 20.52 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 10:05 Purge Method hand

Time	Purge Volume (gal)	Temp (°C)	SpC (us/cm)	pH	ORP (mV)	DO (mg/L)
10:15	5.	27.	8423	7.28	74	6890
	10.	26.	9447	7.24	89	7820
	15.	26.	9707	7.30	98	7921
	20.	26.2	9706	7.35	120	8073

Actual purge volume 20 gal. Field measurements stabilized within ± 10%?

Time/date sampled 10:48 9/24/10 Purged/sampled by L.A.

Sample method hand Bore

Requested analyses TDS CL

Comments/observations 50' case 1 Bore

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID: #1 Bona Vista 86-2 Date gauged: 9/20/10
 Site: 86-2 Time gauged: 11:15
 Depth to PSH: Feet Well diameter: 4 1/2" Inches
 Depth to water: 26.1 Feet Height of fluid column: 22.34 Feet
 Total depth: 48.45 Feet Volume in well: 14.74 Gallons

(3 well volumes = 44.2 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged: 11:30 9/20/10 Purge Method: Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>11:44</u>	<u>5</u>	<u>30.0</u>	<u>4815</u>	<u>7.46</u>	<u>112</u>	<u>3696</u>
	<u>15</u>	<u>26.2</u>	<u>4724</u>	<u>7.72</u>	<u>126</u>	<u>3130</u>
	<u>35</u>	<u>30.0</u>	<u>4739</u>	<u>8.67</u>	<u>110</u>	<u>3654</u>
	<u>45</u>	<u>28.1</u>	<u>4722</u>	<u>7.70</u>	<u>96</u>	<u>3678</u>

Actual purge volume 45 gal. Field measurements stabilized within ± 10%?

Time/date sampled 12:20 9/20/10 Purged/sampled by L.H.

Sample method Low Flow

Requested analyses TDS - CL - NO₃ - TKN

Comments/observations 30 ft tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Buena Vista #2 74-01 Date gauged 9/17/10
 Site 74-01 Time gauged 2:20
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 31.98 Feet Height of fluid column 13.31 Feet
 Total depth 45.29 Feet Volume in well 8.79 Gallons

(3 well volumes = 26.3 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 2:43 9/17/10 Purge Method hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
2:43	5	37.0	4392	9.1	102	3353
	5	30-5	4395	7.72	106	3358
	5	29.6	4402	7.72	118	3380
	10	28.6	4419	7.76	115	3377

Actual purge volume 25 gal. Field measurements stabilized within ± 10%? YES

Time/date sampled 9/17/10 3:25pm Purged/sampled by LH

Sample method bailed

Requested analyses TRN - NO₃ - CL - TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID #2 Ocean Vista 7402 Date gauged 9/17/10
 Site 74-02 Time gauged 1:35 = 13:35
 Depth to PSH / Feet Well diameter 4" Inches
 Depth to water 12.50 Feet Height of fluid column 7.8 Feet
 Total depth 20.30 Feet Volume in well 5.14 Gallons

(3 well volumes = 15.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 1:45 9/17/10 Purge Method hand Bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>13:50</u>	<u>5</u>	<u>31.3</u>	<u>4008</u>	<u>7.52</u>	<u>80</u>	<u>3400</u>
	<u>5</u>	<u>28.0</u>	<u>4446</u>	<u>7.57</u>	<u>72</u>	<u>3400</u>
	<u>5</u>	<u>27.5</u>	<u>4408</u>	<u>7.43</u>	<u>85</u>	<u>3424</u>

Actual purge volume 15.5 gal. Field measurements stabilized within ± 10%? yes

Time/date sampled 2:10 9/17/10 Purged/sampled by JH

Sample method Bailed

Requested analyses TRN - NO3 - CL - TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID #2 Bona Vista 7403 Date gauged 9/20/10
 Site 7403 Time gauged 09:00
 Depth to PSH / Feet Well diameter 4" Inches
 Depth to water 13.85 Feet Height of fluid column 6.43 Feet
 Total depth 20.28 Feet Volume in well 4.24 Gallons

(3 well volumes = 12.7 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9:00 9/20/10 Purge Method Hand Bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>09:10</u>	<u>2.5</u>	<u>25.5</u>	<u>7400</u>	<u>7.53</u>	<u>86</u>	<u>5940</u>
	<u>5.921</u>	<u>26.8</u>	<u>7393</u>	<u>7.50</u>	<u>87</u>	<u>5947</u>
	<u>15 gal</u>	<u>25.7</u>	<u>7433</u>	<u>7.50</u>	<u>90</u>	<u>5987</u>

Actual purge volume 15 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9:30 9/20/10 Purged/sampled by Bona Vista

Sample method hand bailed

Requested analyses TDS-CL

Comments/observations 10ft Rope 1 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID #2
74-04 Date gauged 9-20-10
Site Buena Vista Time gauged 9:50

Depth to PSH _____ Feet Well diameter 4" Inches
Depth to water 44.24 Feet Height of fluid column 14.73 Feet
Total depth 58.97 Feet Volume in well 9.72 Gallons

(3 well volumes = 29.1 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9:53 Purge Method Feltz Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:00	0.25	71.18	2620	7.60	31.5	4.07
	8	70.37	2614	7.38	28.7	1.98
	15	70.82	2593	7.22	26.3	2.16
		70.54	2577	7.14	24.4	2.14

Actual purge volume 29 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9-20-10 10:30 Purged/sampled by T. Harris

Sample method ~~Filter~~ Feltz Pump

Requested analyses TUN Nitrate CL TDS

Comments/observations 80 ft Testing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 74-05 Date gauged 9-17-10
 Site Bucna Vista Dairy #2 Time gauged _____
74-05
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 37.03 Feet Height of fluid column 20.41 Feet
 Total depth 57.49 Feet Volume in well 13.50 Gallons

(3 well volumes = 40.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/17/10 Purge Method _____

Time	Purge Volume (gal)	Temp (°F)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>1:51:16</u>	<u>20</u>	<u>71.33</u>	<u>2775</u>	<u>7.26</u>	<u>41.5</u>	<u>0.58</u>
		<u>71.34</u>	<u>2782</u>	<u>7.18</u>	<u>39.7</u>	<u>0.72</u>
	<u>35</u>	<u>71.33</u>	<u>3186</u>	<u>7.06</u>	<u>36.2</u>	<u>.68</u>

Actual purge volume 45 gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 3:45 9/17/10 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAD-01 Date gauged 9/16/10
 Site DAD Time gauged 0750
 Depth to PSH ✓ Feet Well diameter 2" Inches
 Depth to water 65.86 Feet Height of fluid column 11.59 Feet
 Total depth 77.45 Feet Volume in well 1.97 Gallons

(3 well volumes = 5.9 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/16/10 0805 Purge Method hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	0.25	25.0	✓	7.44	✓	✓
	1.25	26.2	✓	7.40	✓	✓
	3.0	26.0	✓	7.24	✓	✓
	4.0	26.3	✓	7.15	✓	✓

Actual purge volume 6.0 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/16/10 0835 Purged/sampled by Thorston Meinus

Sample method bailey + twine - new

Requested analyses NO₃, TRN, Cl, TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAO-02 Date gauged 9/16/10
 Site DAO Time gauged 0855
 Depth to PSH — Feet Well diameter 2" Inches
 Depth to water 61.79 Feet Height of fluid column 4.85 Feet
 Total depth 66.64 Feet Volume in well 0.83 Gallons

(3 well volumes = 2.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/16/10 0905 Purge Method hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>0915</u>	<u>0.25</u>	<u>24.4</u>	<u>—</u>	<u>7.69</u>	<u>—</u>	<u>—</u>
	<u>1.00</u>	<u>24.4</u>	<u>—</u>	<u>7.58</u>	<u>—</u>	<u>—</u>
	<u>2.00</u>	<u>24.8</u>	<u>—</u>	<u>7.59</u>	<u>—</u>	<u>—</u>

Actual purge volume 2.5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/16/10 0920 Purged/sampled by [Signature]

Sample method new rope + twine

Requested analyses TKN, NO₃, Cl, TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DA0-03 Date gauged 9-16-10
 Site _____ Time gauged 0950
 Depth to PSH — Feet Well diameter 2" Inches
 Depth to water 9.40 Feet Height of fluid column 10.36 Feet
 Total depth 19.76 Feet Volume in well 1.76 Gallons

(3 well volumes = 5.28 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/16/10 1000 Purge Method hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	0.25	24.2	—	7.16	—	—
	3.0	24.3	—	7.30	—	—
	4.75	24.2		7.28		

Actual purge volume 5.0 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/16/10 1030 Purged/sampled by Lorenzo Halpern

Sample method newtwine + bailer

Requested analyses TKN, NO₃, Cl, TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAO-04 Date gauged 9/16/10
 Site DAO Time gauged 9/16/10
 Depth to PSH Feet Well diameter 2" Inches
 Depth to water 18.14 Feet Height of fluid column 6.27 Feet
 Total depth 18.41 Feet Volume in well 1.07 Gallons

(3 well volumes = 3.20 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/16/10 Purge Method hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	0.5	25.0	—	7.65	—	—
	1.25	23.4	—	7.70	—	—
	2.25	22.7	—	7.75	—	—
	3.00	22.9	—	7.65	—	—

Actual purge volume 3.25 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/16/10 1110 Purged/sampled by [Signature]

Sample method new bailer & twine

Requested analyses TKN, Cl, NO₃, TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DA05 Date gauged 9-16-10
 Site DA0 Time gauged 11:25
 Depth to PSH Feet Well diameter 2" Inches
 Depth to water 11.87 Feet Height of fluid column 11.94 Feet
 Total depth 23.81 Feet Volume in well 2.03 Gallons

(3 well volumes = 6.08 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	<u>0.25</u>	<u>25.5</u>	<u>✓</u>	<u>7.53</u>	<u> </u>	<u> </u>
	<u>3</u>	<u>23.0</u>		<u>7.56</u>	<u> </u>	<u> </u>
	<u>5.5</u>	<u>21.9</u>		<u>7.58</u>	<u> </u>	<u> </u>

Actual purge volume 6.2 gal. Field measurements stabilized within ± 10%? ✓

Time/date sampled 9-16-10 12:05 Purged/sampled by Therese Fleming

Sample method Barlar

Requested analyses TKN NO₃ CL TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DA0-6 Date gauged 9/16/10
 Site DA0 Time gauged 13:00
 Depth to PSH Feet Well diameter 2" Inches
 Depth to water 79.68 Feet Height of fluid column 9.93 Feet
 Total depth 89.61 Feet Volume in well 1.68 Gallons

(3 well volumes = 5.04 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/16/10 Purge Method hand Bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:21	0.25	28.7	—	7.60	—	—
	2 gal	26.0	—	7.64	—	—
	4.59 gal	29.4	—	7.59	—	—

Actual purge volume 5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 13:45 Purged/sampled by Lorenzo Holguin

Sample method Boiler - hand

Requested analyses TKN - NO3 - CL - TDS

Comments/observations N/A

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAD-7 Date gauged 9/16/10
 Site DAD Time gauged ~~14:10~~ 14:10
 Depth to PSH 1 Feet Well diameter 2" Inches
 Depth to water 88.29 Feet Height of fluid column 14.39 Feet
 Total depth 102.68 Feet Volume in well 2.44 Gallons

(3 well volumes = 7.33 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:20	0.25	28.2	✓	7.21	✓	✓
	4	29.3	✓	7.22	✓	✓
	7	27.5	✓	7.27	✓	✓

Actual purge volume 7.5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9-16-10 15:00 Purged/sampled by J. Higgins

Sample method Bailer

Requested analyses NO₃ TAN CL TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAD 8 Date gauged 9/17/10
 Site DAD Time gauged 08:15
 Depth to PSH / Feet Well diameter 2" Inches
 Depth to water 42.05 Feet Height of fluid column 7.09 Feet
 Total depth 54.14 Feet Volume in well 1.20 Gallons

(3 well volumes = 3.61 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 8:20/9/17/10 Purge Method Bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
08:20	0.25	21.8	543.0	7.64	20	
	1.5	21.9	5354	7.67	33	4190
	2.5	21.1	5375	7.77	54	670
	4.0	21.6	5274	7.94	54	574

Actual purge volume 4 gal. Field measurements stabilized within ± 10%? yes

Time/date sampled 8:56 9/17/10 Purged/sampled by J.H

Sample method hand bailed

Requested analyses TKN - NO₃ - CL - TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAD-9 Date gauged 9/27/10
 Site DAD Time gauged 9:30
 Depth to PSH 1 Feet Well diameter 2" Inches
 Depth to water 51.55 Feet Height of fluid column 11.92 Feet
 Total depth 63.47 Feet Volume in well 2.02 Gallons

(3 well volumes = 6.0 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/27/10 Purge Method Ball

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>9:48</u>	<u>1</u>	<u>23.6</u>	<u>1077</u>	<u>7.72</u>	<u>109</u>	<u>734</u>
	<u>2.5</u>	<u>22.7</u>	<u>1130</u>	<u>7.75</u>	<u>164</u>	<u>787</u>
	<u>5.5</u>	<u>22.4</u>	<u>1220</u>	<u>7.80</u>	<u>114</u>	<u>1001</u>

Actual purge volume 6.5 gal. Field measurements stabilized within ± 10%? Y

Time/date sampled 10:10 9/27/10 Purged/sampled by LH

Sample method hand Bailed

Requested analyses THU - NO₃ - CL - TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAD 10 Date gauged 9-17-10
 Site DAD Time gauged 9:35
 Depth to PSH / Feet Well diameter 2" Inches
 Depth to water 78.66 Feet Height of fluid column 16.7 Feet
 Total depth 95.36 Feet Volume in well 2.84 Gallons
 (3 well volumes = 8.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:50	0.25	70.82	1980	6.40	24.3	4.10
	4	70.92	1974	6.56	33.8	3.26
	7.5	70.96	1973	6.6	17.3	2.10
	8.5	70.99	1975	6.63	14.5	2.39

Actual purge volume 8.7 gal. Field measurements stabilized within ± 10%? _____
 Time/date sampled 9-17-10 10:20 Purged/sampled by Merino
 Sample method Bar/Yes
 Requested analyses NO₂ TRAC CL TDS
 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID #1 Dominguez 624-01 Date gauged 9/21/10
 Site 624-01 Time gauged 8:40
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 22.09 Feet Height of fluid column 24.66 Feet
 Total depth 46.75 Feet Volume in well 16.27 Gallons

(3 well volumes = 48.82 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 8:56 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
8:56	15	21.3	6995	7.39	75	5636
	30	22.3	6236	7.63	82	4976
	45	22.6	5998	7.47	89	4756
	49	22.5	6050	7.41	89	4809

Actual purge volume 49 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9:16 9/21/10 Purged/sampled by LA

Sample method Low Flow

Requested analyses TD~~B~~ - CL - NO₃ - TKN

Comments/observations 40' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 624-02 Date gauged 9/20/10
 Site Deering #1 Time gauged 15:18
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 14.04 Feet Height of fluid column 23.6 Feet
 Total depth 37.64 Feet Volume in well 15.57 Gallons

(3 well volumes = 46.7 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/20/10 Purge Method hand

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
15:30	0.25	72.32	57.58	7.74	12.2	7.12
	10	72.37	51.11	7.35	15.7	2.21
	20	70.31	51.90	7.27	8.8	2.91
	30	71.03	54.77	7.52	7.96	4.4
	40	70.11	55.14	7.53	5.6	5.4
	50	70.15	54.76	7.58	5.2	5.3

Actual purge volume 50 gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 16:40 9/20/10 Purged/sampled by Litt

Sample method hand Bail

Requested analyses TDS - Cl - NO3 - TRN

Comments/observations 2.0 ft Rope (Bailer)

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID #1 Dominguez 624-04 Date gauged 9/21/10
 Site 624-04 Time gauged 9:45
 Depth to PSH / Feet Well diameter 4" Inches
 Depth to water 11.66 Feet Height of fluid column 5.15 Feet
 Total depth 16.81 Feet Volume in well 3.39 Gallons

(3 well volumes = 10.19 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9:55 Purge Method Hand Sucked Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:00	2.5	25.5	5468	7.60	110	4288
	5.5	25.	5457	7.50	110	4316
	2.5	24.9	5464	7.25	89	4316

Actual purge volume 10.5 gal. Field measurements stabilized within ± 10%? _____
 Time/date sampled 10/09 Purged/sampled by LH
 Sample method Low Flow
 Requested analyses TDS-CL-NO3-TRN
 Comments/observations 20° turbid

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID #1 Quinn 624-05 Date gauged 9/21/10
 Site 624-05 Time gauged 11:05
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 12.1 Feet Height of fluid column 5.1 Feet
 Total depth 12.21 Feet Volume in well 3.36 Gallons

(3 well volumes = 10.09 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 11:15 9/21/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>11:15</u>	<u>3</u>	<u>28.2</u>	<u>3644</u>	<u>7.77</u>	<u>62</u>	<u>2736</u>
	<u>6</u>	<u>28</u>	<u>3548</u>	<u>7.70</u>	<u>84</u>	<u>2824</u>
	<u>10.5</u>	<u>28.2</u>	<u>3642</u>	<u>7.68</u>	<u>80</u>	<u>2744</u>

Actual purge volume 10.5 gal. Field measurements stabilized within ± 10%?
 Time/date sampled 9/21/10 Purged/sampled by LH
 Sample method Low Flow
 Requested analyses TDS-CL-N03-TRN
 Comments/observations 18' tubing

Well Casing Volumes
 2" diameter = 0.17 gal/ft, 4" diameter = 0.68 gal/ft, 5" diameter = 1.02 gal/ft, 6" diameter = 1.50 gal/ft

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID #1 D001092 624-06 Date gauged 9/21/10
 Site 624-06 Time gauged 7:40
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 48.73 Feet Height of fluid column 3.42 Feet
 Total depth 52.15 Feet Volume in well ~~292~~ 1026 Gallons

(3 well volumes = 3078 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 7:50 9/21/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
7:55	10	22.3	5670	7.89	32	4483
	20	22.0	5572	7.76	60	4379
	30	21.8	5575	7.77	66	4379

Actual purge volume 30 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/21/10 8:20 Purged/sampled by LH

Sample method Low Flow

Requested analyses TDS - Cl - NO₃ - TKN

Comments/observations SOH tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID #1 Deminger 624-07 Date gauged 9/21/10
 Site 624-07 Time gauged 12:30
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 53.11 Feet Height of fluid column 2.58 Feet
 Total depth 55.69 Feet Volume in well 1.70 Gallons

(3 well volumes = 5.1 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 12:45 Purge Method hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>12:43</u>	<u>1</u>	<u>26.9</u>	<u>3500</u>	<u>7.45</u>	<u>720</u>	<u>2674</u>
	<u>3</u>	<u>24.6</u>	<u>3496</u>	<u>7.28</u>	<u>710</u>	<u>2639</u>
	<u>5</u>	<u>24.8</u>	<u>3510</u>	<u>7.30</u>	<u>118</u>	<u>2628</u>

Actual purge volume 55 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/21/10 1:00 Purged/sampled by LT

Sample method hand bailed

Requested analyses TDS-CL-NO₃-TRN

Comments/observations 60' core 1 bailed

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID #1 Dominique 624-08 Date gauged 9/21/10
 Site 624-08 Time gauged 11:45
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 14.75 Feet Height of fluid column 4.8 Feet
 Total depth 19.55 Feet Volume in well 3.16 Gallons

(3 well volumes = 9.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged ~~12:00~~ 12:00 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	3	28.5	1951	7.88	45	1377
	6	28.5	1895	7.62	62	1342
	10	28.0	1906	7.61	52	1347

Actual purge volume 10 gal. Field measurements stabilized within ± 10%?

Time/date sampled 12:05 9/21/10 Purged/sampled by LH

Sample method Low Flow

Requested analyses TDS CL-NO₃-TKN

Comments/observations 20' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID L77-01 Date gauged 9/20/10
 Site Gouzalet Time gauged 14:10
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 13.55 Feet Height of fluid column 11.9 Feet
 Total depth 25.45 Feet Volume in well 7.8 Gallons

(3 well volumes = 23.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method Bailey

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:20	0.25	70.37	5253	7.74	17.8	3.85
	10	70.82	5125	7.45	3.7	2.12
	20	70.16	5229	7.7	3.56	-33.4
	22	70.29	5127	7.69	3.55	-5.6
	23	70.01	5120	7.39	2.36	-3.9
	25	70.37	5175	7.40	2.59	-4.1

Actual purge volume 25 gal. Field measurements stabilized within ± 10%? —

Time/date sampled 9/20/10 14:54 Purged/sampled by T. Minner

Sample method Bailey

Requested analyses T, N Nitrate, CL, TDS

Comments/observations 23% Rope 1 Bailey

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Gonzalez
Gonzalez 177-02 Date gauged 9/20/10

Site 177-02 Time gauged 3:00

Depth to PSH Feet Well diameter 4" Inches

Depth to water 14.34 Feet Height of fluid column 11.49 Feet

Total depth 25.83 Feet Volume in well 7.58 Gallons

(3 well volumes = 22.7 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 3:10 Purge Method hand

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>3:12</u>	<u>5.8</u>	<u>26.5</u>	<u>6030</u>	<u>7.59</u>	<u>133</u>	<u>4760</u>
	<u>18</u>	<u>26.8</u>	<u>5700</u>	<u>7.83</u>	<u>167</u>	<u>4474</u>
	<u>23</u>	<u>26.2</u>	<u>5247</u>	<u>7.87</u>	<u>122</u>	<u>4434</u>

Actual purge volume 23 gal Field measurements stabilized within ± 10%?

Time/date sampled 3:35 9/20/10 Purged/sampled by JR

Sample method hand boiled

Requested analyses TDS CL NO₃ - TKN

Comments/observations 20' Rose / Boiled

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 177-03 Date gauged 9-21-10
 Site Gonzalez Time gauged 8:50
Gonzalez
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 16.40 Feet Height of fluid column 31.22 Feet
 Total depth 47.62 Feet Volume in well 20.6 Gallons

(3 well volumes = 61.81 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/21/10 9:15 Purge Method Filtz Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:15	20.25	82.25	2594	7.24	29.9	3.38
	30	83.57	2626	6.99	54.7	2.43
	45	83.59	2626	6.95	47.6	2.41
	60	83.59	2626	6.95	44.7	2.40

Actual purge volume 61 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/21/10 9:40 Purged/sampled by Heinry

Sample method Low Flow Filtz Pump

Requested analyses TKN Nitrate CL TDS

Comments/observations 30 ft Tubing 5 Barrels for lagunas 70 ft Rope

Well 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

|||||

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Gonzalez
Gonzalez 177-04 Date gauged 9/20/10

Site 177-04 Time gauged 1:50

Depth to PSH _____ Feet Well diameter 4" Inches

Depth to water 20.45 Feet Height of fluid column 25.96 Feet

Total depth 46.41 Feet Volume in well 17.1 Gallons

(3 well volumes = 51.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/20/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>2:05</u>	<u>15</u>	<u>24.5</u>	<u>6171</u>	<u>7.38</u>	<u>67</u>	<u>4960</u>
	<u>30</u>	<u>27.0</u>	<u>6202</u>	<u>7.50</u>	<u>56</u>	<u>4962</u>
	<u>45</u>	<u>26.8</u>	<u>6176</u>	<u>7.30</u>	<u>50</u>	<u>4972</u>
	<u>50.5</u>	<u>26.5</u>	<u>6183</u>	<u>7.35</u>	<u>33</u>	<u>4920</u>

Actual purge volume 50.5 gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 2:35 Purged/sampled by JA

Sample method Low Flow

Requested analyses TDS-CL-NO3-TKN

Comments/observations 26ft tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 177-05 Date gauged 9/20/10
 Site Gonzalez Time gauged 13:10
 Depth to PSH _____ Feet Well diameter 6" Inches
 Depth to water 32.66 Feet Height of fluid column 16.84 Feet
 Total depth 49.30 Feet Volume in well 10.98 Gallons

(3 well volumes = 33 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:20	1	68.69	4865	7.64	19.1	2.10
	20	68.73	4750	7.25	3.4	1.73
	28	68.70	4710	7.12	3.1	

Actual purge volume 29 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/20/10 13:20 Purged/sampled by J. Minors

Sample method Fultz Pump

Requested analyses TKN Nitrate CL TDS

Comments/observations 45 ft tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 177-06 Date gauged 9-20-10
 Site Gonzalez Time gauged 11:30
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 47.55 Feet Height of fluid column 4.18 Feet
 Total depth 51.73 Feet Volume in well 2.76 Gallons

(3 well volumes = 8.3 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/20/10 11:45 Purge Method Fultz Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (us/cm)	pH	ORP (mV)	DO (mg/L)
		70.21	4188	7.86	19.5	2.21
		71.95	4276	7.73	18.6	2.34
		72.81	4470	7.48	17.7	4.42

Actual purge volume 5 gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 9/20/10 12:20 Purged/sampled by T. Stevens

Sample method Fultz Pump

Requested analyses TRM Nitrate TDS LL

Comments/observations Low Water Purged only 5 gal
60 ft Tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Beverly Vista 7403 Date gauged 9/20/10
 Site 7403 Time gauged 09:00
 Depth to PSH / Feet Well diameter 4 1/2" Inches
 Depth to water 13.85 Feet Height of fluid column 6.43 Feet
 Total depth 20.28 Feet Volume in well 4.24 Gallons

(3 well volumes = 12.7 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9:08 9/20/10 Purge Method Hand Bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
09:10	2.5	25.5	7400	7.55	86	5940
	5.921	26.8	7393	7.50	87	5947
	15.921	25.7	7433	7.50	90	5987

Actual purge volume 15 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9:30 9/20/10 Purged/sampled by Lorenz

Sample method hand Bailed

Requested analyses TPS-CL

Comments/observations 18ft Repe 1 Bailed

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 74-04 Date gauged 9-20-10
 Site Buena Vista Time gauged 9:50
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 44.24 Feet Height of fluid column 14.73 Feet
 Total depth 58.97 Feet Volume in well 9.72 Gallons

(3 well volumes = 29.1 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9:53 Purge Method Flush Pump

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>10:00</u>	<u>0.25</u>	<u>71.18</u>	<u>2620</u>	<u>7.60</u>	<u>31.5</u>	<u>4.07</u>
	<u>8</u>	<u>70.37</u>	<u>2614</u>	<u>7.38</u>	<u>28.7</u>	<u>1.98</u>
	<u>15</u>	<u>70.83</u>	<u>2593</u>	<u>7.22</u>	<u>26.3</u>	<u>2.16</u>
		<u>70.54</u>	<u>2577</u>	<u>7.14</u>	<u>24.4</u>	<u>2.14</u>

Actual purge volume 29 gal. Field measurements stabilized within ± 10%? ✓

Time/date sampled 9-20-10 10:30 Purged/sampled by T. Hinn

Sample method ~~Flush Pump~~ Flush Pump

Requested analyses TU, N, Nitrate, CL, TDS

Comments/observations 80 ft Tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Daybreak 126-04 Date gauged 9/21/10
 Site 126-04 Time gauged 1:45
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 28.56 Feet Height of fluid column 9.55 Feet
 Total depth 38.11 Feet Volume in well 6.30 Gallons

(3 well volumes = 18.90 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 1:55 9/21/10 Purge Method Low flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>2:00</u>	<u>7</u>	<u>30.9</u>	<u>3650</u>	<u>7.40</u>	<u>63</u>	<u>2741</u>
	<u>14</u>	<u>28.5</u>	<u>3759</u>	<u>7.39</u>	<u>70</u>	<u>2833</u>
	<u>21</u>	<u>28.5</u>	<u>3809</u>	<u>7.26</u>	<u>42</u>	<u>2880</u>

Actual purge volume 21 gal. Field measurements stabilized within ± 10%?

Time/date sampled 2:10 9/21/10 Purged/sampled by LH

Sample method Low flow

Requested analyses TDS - CL - NO3 - TAN

Comments/observations 30' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Day Perak Dairy 12605 Date gauged 9/31/10
 Site 126.05 Time gauged 2:20
 Depth to PSH Feet Well diameter 2" Inches
 Depth to water 20.95 Feet Height of fluid column 9.94 Feet
 Total depth 30.89 Feet Volume in well 1.68 Gallons

(3 well volumes = 5.0 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 2:20 12/1/10 Purge Method hand

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>2:25</u>	<u>1</u>	<u>27.0</u>	<u>4242</u>	<u>7.99</u>	<u>109</u>	<u>3254</u>
	<u>2.5</u>	<u>24.0</u>	<u>4201</u>	<u>7.74</u>	<u>97</u>	<u>3206</u>
	<u>2</u>	<u>24.0</u>	<u>4230</u>	<u>7.70</u>	<u>90</u>	<u>3232</u>

Actual purge volume 5.5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 245 9/21/10 Purged/sampled by LDH

Sample method hand

Requested analyses TDS CL-NO3-~~TAN~~ TAN

Comments/observations 30' pipe 1 boiler

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 244 Beak 126-07 Date gauged 9/21/10
 Site 126-07 Time gauged 3:15
 Depth to PSH Feet Well diameter 2" Inches
 Depth to water 28.45 Feet Height of fluid column 10 Feet
 Total depth 38.45 Feet Volume in well 1.7 Gallons

(3 well volumes = 5.1 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 3:35 9/21/10 Purge Method

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	1	26.3	4294	7.60	122	3267
	3	24.3	4217	7.42	130	3244
	5	24.2	4223	7.23	127	3258

Actual purge volume 5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 3:35 9/21/10 Purged/sampled by LH

Sample method hand

Requested analyses TDS-CL-NO₃-T&N

Comments/observations 2 Backus Beakon 35' pipe

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID MyBank 12609 Date gauged 9/22/10
 Site 12609 Time gauged 7:30
 Depth to PSH / Feet Well diameter 2" Inches
 Depth to water 77.57 Feet Height of fluid column 8.81 Feet
 Total depth 81.33 Feet Volume in well 1.49 Gallons

(3 well volumes = 4.4 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 7:40 Purge Method hand

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
7:45	1.5	23.8	5206	7.98	121	4033
	3	22.7	5219	7.66	117	4241
	4.5	22.9	5230	7.70	130	4442

Actual purge volume 4.5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 8:00 Purged/sampled by JH

Sample method hand

Requested analyses TKN-CL-NO₃-TDS

Comments/observations 2. Bailes 80' Pipe

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Day Brook Drive 126-12 Date gauged 9/22/10
 Site 126-12 Time gauged 9:55
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 16.45 Feet Height of fluid column 13.56 Feet
 Total depth 30.01 Feet Volume in well 8.94 Gallons

(3 well volumes = 26.84 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 10:05 9/22/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>10:05</u>	<u>9</u>	<u>26.4</u>	<u>3846</u>	<u>7.61</u>	<u>41</u>	<u>2904</u>
	<u>9</u>	<u>26.4</u>	<u>3836</u>	<u>7.44</u>	<u>20</u>	<u>2892</u>
	<u>9</u>	<u>26.5</u>	<u>3802</u>	<u>7.47</u>	<u>24</u>	<u>2872</u>

Actual purge volume 27 gal. Field measurements stabilized within ± 10%?
 Time/date sampled 10:15 9/22/10 Purged/sampled by RA
 Sample method Low Flow
 Requested analyses TPS - CL - NO3 - TAN
 Comments/observations 20' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Daybreak 126-13 Date gauged 9/22/10
 Site 126-13 Time gauged 8:20
 Depth to PSH Feet Well diameter 2" Inches
 Depth to water 35.54 Feet Height of fluid column 24.87 Feet
 Total depth 60.41 Feet Volume in well 4.22 Gallons

(3 well volumes = 12.68 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/22/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
4:45	4	23.8	4573	7.44	8	3522
	8	22.3	4558	7.45	12	3513
	12	21.9	4555	7.32	5	3510

Actual purge volume 12 gal. Field measurements stabilized within ± 10%?

Time/date sampled 8:50 9/22/10 Purged/sampled by 2A

Sample method Low Flow

Requested analyses TRN-CL-NO3-TDS

Comments/observations 40' do bin

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Dominquez 624-01 Date gauged 9/21/10
 Site 624-01 Time gauged 8:40
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 22.09 Feet Height of fluid column 24.66 Feet
 Total depth 46.75 Feet Volume in well 16.27 Gallons

(3 well volumes = 48.82 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 8:56 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
8:56	15	21.8	6995	7.39	75	5636
	30	22.3	6238	7.63	82	4976
	45	22.6	5983	7.47	89	4756
	49	22.5	6050	7.41	89	4809

Actual purge volume 49 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9:16 9/21/10 Purged/sampled by LA

Sample method Low Flow

Requested analyses TD~~B~~ - CL - NO₃ - TKN

Comments/observations 40' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID 624.02 Date gauged 9/20/10
 Site Dorringuez Time gauged 15:18
 Depth to PSH _____ Feet Well diameter 4" Inches
 Depth to water 14.04 Feet Height of fluid column 23.6 Feet
 Total depth 37.64 Feet Volume in well 15.57 Gallons

(3 well volumes = 46.7 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/20/10 Purge Method hand

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
15:30	0.25	72.32	5755	7.74	12.2	7.12
	10	72.37	5711	7.35	15.7	2.21
	20	70.81	5190	7.27	8.8	2.91
	30	71.03	5477	7.52	7.9	4.4
	40	70.11	5544	7.53	5.6	5.4
	50	70.15	5476	7.58	5.2	5.3

Actual purge volume 50 gal. Field measurements stabilized within ± 10%? _____

Time/date sampled 16:40 9/20/10 Purged/sampled by Litt

Sample method hand Bail

Requested analyses TDS - Cl - NO₃ - TRN

Comments/observations 20 ft Rope 1 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Dumguez 624-04 Date gauged 9/21/10
 Site 624-04 Time gauged 9:45
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 11.66 Feet Height of fluid column 5.15 Feet
 Total depth 16.81 Feet Volume in well 3.39 Gallons

(3 well volumes = 10.19 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9:55 Purge Method ~~Hand Sucked~~ Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:00	2.5	28.5	5460	7.60	110	4288
	5.5	26	5457	7.50	110	4316
	2.5	24.9	5464	7.25	89	4316

Actual purge volume 10.5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 10:09 Purged/sampled by LH

Sample method Low Flow

Requested analyses TDS, CL, NO3, TRN

Comments/observations 20' Tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Drilling # 624-05 Date gauged 9/21/10
 Site 624-05 Time gauged 11:05
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 12.11 Feet Height of fluid column 5.1 Feet
 Total depth 17.21 Feet Volume in well 3.36 Gallons

(3 well volumes = 10.09 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 11:15 9/21/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>11:15</u>	<u>3</u>	<u>28.2</u>	<u>3644</u>	<u>7.77</u>	<u>62</u>	<u>2736</u>
	<u>6</u>	<u>28</u>	<u>3548</u>	<u>7.70</u>	<u>84</u>	<u>2824</u>
	<u>10.5</u>	<u>28.2</u>	<u>3642</u>	<u>7.68</u>	<u>80</u>	<u>2744</u>

Actual purge volume 10.5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/21/10 Purged/sampled by LH

Sample method Low flow

Requested analyses TDS-CL-NO3-TKN

Comments/observations 18' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Dominguez 624-06 Date gauged 9/21/10
 Site 624-06 Time gauged 7:40
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 48.73 Feet Height of fluid column 3.42 Feet
 Total depth 52.15 Feet Volume in well ~~892~~ 1026 Gallons
 (3 well volumes = 3078 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 7:50 9/21/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
7:55	10	22.3	5670	7.87	32	4453
	20	22.0	5572	7.76	60	4379
	30	21.8	5575	7.77	66	4379

Actual purge volume 30 gal. Field measurements stabilized within ± 10%?
 Time/date sampled 9/21/10 8:20 Purged/sampled by LH
 Sample method Low Flow
 Requested analyses TDS - Cl - NO₃ - TKN
 Comments/observations 50ft tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Deming 62407 Date gauged 9/21/10
 Site 624-07 Time gauged 12:30
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 53.11 Feet Height of fluid column 2.58 Feet
 Total depth 55.69 Feet Volume in well 1.70 Gallons

(3 well volumes = 5.1 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 12:43 Purge Method hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>12:43</u>	<u>1</u>	<u>26.9</u>	<u>3500</u>	<u>7.45</u>	<u>120</u>	<u>2614</u>
	<u>3</u>	<u>24.6</u>	<u>3496</u>	<u>7.28</u>	<u>110</u>	<u>2639</u>
	<u>5</u>	<u>24.8</u>	<u>3510</u>	<u>7.30</u>	<u>110</u>	<u>2628</u>

Actual purge volume 5.5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/21/10 1:00 Purged/sampled by LTG

Sample method hand bailed

Requested analyses TDS-CL-NO₃-TRN

Comments/observations 60' core 1 bailer

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Dominique 624-08 Date gauged 9/21/10
 Site 624-08 Time gauged 11:45
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 14.75 Feet Height of fluid column 4.8 Feet
 Total depth 19.55 Feet Volume in well 3.16 Gallons

(3 well volumes = 9.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged ~~12:00~~ 12:00 Purge Method Low flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	3	22.5	1951	7.88	45	1377
	6	28.5	1895	7.62	62	1342
	10	28.0	1906	7.61	52	1347

Actual purge volume 10 gal. Field measurements stabilized within ± 10%?

Time/date sampled 12:05 9/21/10 Purged/sampled by LH

Sample method Low flow

Requested analyses TDS-CL-NO₃-TKN

Comments/observations 20' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAD-01 Date gauged 9/16/10
 Site DAD Time gauged 0750
 Depth to PSH Feet Well diameter 2" Inches
 Depth to water 65.86 Feet Height of fluid column 11.59 Feet
 Total depth 77.45 Feet Volume in well 1.97 Gallons
 (3 well volumes = 5.9 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/16/10 0805 Purge Method hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	0.25	25.0		7.44		
	1.25	26.2		7.40		
	3.0	26.0		7.24		
	4.0	26.3		7.15		

Actual purge volume 6.0 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/16/10 0835 Purged/sampled by Thorsten Meinus

Sample method baiber + twine - new

Requested analyses NO₃, TRN, Cl, TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAO-02 Date gauged 9/16/10
 Site DAO Time gauged 0855
 Depth to PSH Feet Well diameter 2" Inches
 Depth to water 61.79 Feet Height of fluid column 4.85 Feet
 Total depth 66.64 Feet Volume in well 0.83 Gallons

(3 well volumes = 2.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/16/10 0905 Purge Method hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (us/cm)	pH	ORP (mV)	DO (mg/L)
<u>0915</u>	<u>0.25</u>	<u>24.4</u>	<u>—</u>	<u>7.69</u>	<u>—</u>	<u>—</u>
	<u>1.00</u>	<u>24.4</u>	<u>—</u>	<u>7.58</u>	<u>—</u>	<u>—</u>
	<u>2.00</u>	<u>24.8</u>	<u>—</u>	<u>7.59</u>	<u>—</u>	<u>—</u>

Actual purge volume 2.5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/16/10 0920 Purged/sampled by [Signature]

Sample method new rope + twine

Requested analyses TKN, NO₃, Cl, TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAO-03 Date gauged 9-16-10
 Site _____ Time gauged 0950
 Depth to PSH — Feet Well diameter 2" Inches
 Depth to water 9.40 Feet Height of fluid column 10.36 Feet
 Total depth 19.76 Feet Volume in well 1.76 Gallons

(3 well volumes = 5.28 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/16/10 1000 Purge Method hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	0.25	24.2	—	7.16	—	—
	3.0	24.3	—	7.30	—	—
	4.75	24.2		7.28		

Actual purge volume 5.0 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9/16/10 1030 Purged/sampled by Louise Holquist

Sample method newtwine + bailer

Requested analyses TKN, NO₃, Cl, TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAO-04 Date gauged 9/16/10
 Site DAO Time gauged 9/16/10
 Depth to PSH Feet Well diameter 2" Inches
 Depth to water 12.14 Feet Height of fluid column 6.27 Feet
 Total depth 18.41 Feet Volume in well 1.07 Gallons
 (3 well volumes = 3.20 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/16/10 Purge Method hand bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	0.5	25.0	/	7.65	/	/
	1.25	23.4	/	7.70	/	/
	2.25	22.7	/	7.75	/	/
	3.00	22.9	/	7.65	/	/

Actual purge volume 3.25 gal. Field measurements stabilized within ± 10%?
 Time/date sampled 9/16/10 1110 Purged/sampled by [Signature]
 Sample method new bailer & twine
 Requested analyses TKN, Cl, NO₃, TDS
 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAD05 Date gauged 9-16-10
 Site DAD Time gauged 11:25
 Depth to PSH — Feet Well diameter 2" Inches
 Depth to water 11.87 Feet Height of fluid column 11.94 Feet
 Total depth 23.81 Feet Volume in well 2.03 Gallons

(3 well volumes = 6.08 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	<u>0.25</u>	<u>25.5</u>	<u>—</u>	<u>7.53</u>	<u>—</u>	<u>—</u>
	<u>3</u>	<u>23.0</u>		<u>7.56</u>	<u>—</u>	<u>—</u>
	<u>5.5</u>	<u>21.9</u>		<u>7.58</u>	<u>—</u>	<u>—</u>

Actual purge volume 6.2 gal. Field measurements stabilized within ± 10%? ✓

Time/date sampled 9-16-10 12:05 Purged/sampled by Theister Meising

Sample method Barlar

Requested analyses TKN NO₃ CL TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DA0-6 Date gauged 9/16/10
 Site DA0 Time gauged 13:00
 Depth to PSH / Feet Well diameter 2" Inches
 Depth to water 79.68 Feet Height of fluid column 9.93 Feet
 Total depth 89.61 Feet Volume in well 1.68 Gallons

(3 well volumes = 5.04 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/16/10 Purge Method hand Bailed

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
13:21	0.25	28.7	—	7.60	—	—
	2 gal	26.0	—	7.64	—	—
	4.59 gal	29.4	—	7.59	—	—

Actual purge volume 5 gal. Field measurements stabilized within ± 10%?

Time/date sampled 13:45 Purged/sampled by Lorenzo Holguin

Sample method Bailed - hand

Requested analyses TKN - NO3 - CL - TDS

Comments/observations N/A

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAD-7 Date gauged 9/16/10
 Site DAO Time gauged ~~8:10~~ 14:10
 Depth to PSH / Feet Well diameter 2" Inches
 Depth to water 88.29 Feet Height of fluid column 14.39 Feet
 Total depth 102.68 Feet Volume in well 2.44 Gallons

(3 well volumes = 7.33 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
14:20	0.25	28.2	/	7.21	/	/
	4	29.3	/	7.22	/	/
	7	27.5	/	7.27	/	/

Actual purge volume 7.5 gal. Field measurements stabilized within ± 10%? /

Time/date sampled 9-16-10 15:00 Purged/sampled by J. McInnes

Sample method Baiter

Requested analyses NO₃ TAN CL TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAD 8 Date gauged 9/17/10
 Site DAD Time gauged 08:15
 Depth to PSH / Feet Well diameter 2" Inches
 Depth to water 47.05 Feet Height of fluid column 7.09 Feet
 Total depth 54.14 Feet Volume in well 1.20 Gallons

(3 well volumes = 3.61 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 8:20 / 9/17/10 Purge Method Bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>08:20</u>	<u>0.25</u>	<u>21.8</u>	<u>543.0</u>	<u>7.64</u>	<u>20</u>	<u>705</u>
	<u>1.5</u>	<u>21.9</u>	<u>5354</u>	<u>7.67</u>	<u>33</u>	<u>4190</u>
	<u>2.5</u>	<u>21.1</u>	<u>5375</u>	<u>7.77</u>	<u>54</u>	<u>670</u>
	<u>4.0</u>	<u>21.6</u>	<u>5274</u>	<u>7.94</u>	<u>54</u>	<u>574</u>

Actual purge volume 4 gal. Field measurements stabilized within ± 10%? yes

Time/date sampled 8:36 9/17/10 Purged/sampled by J.H

Sample method hand bailed

Requested analyses TKN - NO₃ - CL - TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAO-9 Date gauged 9/17/10
 Site DAD Time gauged 9:30
 Depth to PSH / Feet Well diameter 2" Inches
 Depth to water 51.55 Feet Height of fluid column 11.92 Feet
 Total depth 63.47 Feet Volume in well 2.02 Gallons

(3 well volumes = 6.0 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9/17/10 Purge Method Bail

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
<u>9:48</u>	<u>1</u>	<u>23.6</u>	<u>1077</u>	<u>7.72</u>	<u>109</u>	<u>734</u>
	<u>2.5</u>	<u>22.7</u>	<u>1130</u>	<u>7.75</u>	<u>164</u>	<u>787</u>
	<u>5.5</u>	<u>22.4</u>	<u>1220</u>	<u>7.80</u>	<u>114</u>	<u>1001</u>

Actual purge volume 6.5 gal. Field measurements stabilized within ± 10%? yes

Time/date sampled 10:10 9/17/10 Purged/sampled by LAA

Sample method hand Bailed

Requested analyses THU - NO₃ - CL - TDS

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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID DAD 10 Date gauged 9-17-10
 Site DAD Time gauged 9:35
 Depth to PSH / Feet Well diameter 2" Inches
 Depth to water 78.66 Feet Height of fluid column 16.7 Feet
 Total depth 95.36 Feet Volume in well 2.84 Gallons
 (3 well volumes = 8.5 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged _____ Purge Method _____

Time	Purge Volume (gal)	Temp (°F)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
9:50	0.25	70.82	1980	6.40	24.3	4.10
	4	70.92	1979	6.56	33.8	3.26
	7.5	70.96	1973	6.6	17.3	2.10
	8.5	70.99	1975	6.63	14.5	2.39

Actual purge volume 8.7 gal. Field measurements stabilized within ± 10%? _____
 Time/date sampled 9-17-10 10:20 Purged/sampled by Meinert
 Sample method Barite
 Requested analyses NO₂ TRAC CI TDS
 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Mountain View 70-02 Date gauged 9/22/10
 Site 70-2 Time gauged 10:30
 Depth to PSH ✓ Feet Well diameter 4" Inches
 Depth to water 39.81 Feet Height of fluid column 9.92 Feet
 Total depth 49.73 Feet Volume in well 6.54 Gallons

(3 well volumes = 19.6 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 10:38 9/22/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
10:38	7	27.6	5198	7.97	28	4039
	14	24.5	5197	7.63	35	4049
	19	24.7	5199	7.57	38	4055

Actual purge volume 20 gal. Field measurements stabilized within ± 10%?

Time/date sampled 10:53 9/22/10 Purged/sampled by LH

Sample method Low Flow

Requested analyses TDS NO3-CL TAN

Comments/observations 45' tubing

Well 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

**ATTACHMENT E
MONITOR WELL SAMPLING FIELD FORM**

FLUID LEVEL DATA

Well ID Mountain View 70-1 Date gauged 9/22/10
 Site 70-1 Time gauged 9:05
 Depth to PSH Feet Well diameter 4" Inches
 Depth to water 30.11 Feet Height of fluid column 15.40 Feet
 Total depth 45.59 Feet Volume in well 10.21 Gallons

(3 well volumes = 30.65 gallons)

GROUNDWATER SAMPLING DATA

Time/date purged 9:25 9/22/10 Purge Method Low Flow

Time	Purge Volume (gal)	Temp (°C)	SpC (µs/cm)	pH	ORP (mV)	DO (mg/L)
	10	24.5	4049	7.45	22	3083
	20	24.4	4133	7.48	43	3174
	30	25.7	4185	7.35	34	3196

Actual purge volume 30 gal. Field measurements stabilized within ± 10%?

Time/date sampled 9:36 9/22/10 Purged/sampled by 2. H

Sample method Low Flow

Requested analyses TDS, Cl, NO3, TRU

Comments/observations 35' tubing

Well 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**



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 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Victor Ayala
 D & H Petroleum and Environmental
 1221 Tower Trail
 P. O. Box 17969
 El Paso, TX, 79907

Report Date: October 21, 2010

Work Order: 10092817



DP: 833
Project Location: 17800 Stern Dr., Mesquite, NM
Project Name: Big Sky Dairy
Project Number: 334256

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
246035	833-1	water	2010-09-23	16:30	2010-09-24
246036	833-2	water	2010-09-23	14:00	2010-09-24
246037	833-3	water	2010-09-23	10:35	2010-09-24
246038	833-4	water	2010-09-24	09:20	2010-09-24
246039	833-5	water	2010-09-24	08:27	2010-09-24
246040	833-6	water	2010-09-23	09:36	2010-09-24
246041	833-7	water	2010-09-24	09:21	2010-09-24
246042	833-8	water	2010-09-23	11:20	2010-09-24

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
246043	833-9	water	2010-09-24	12:20	2010-09-24
246044	833-10	water	2010-09-24	00:00	2010-09-24
246045	Lagoon	water	2010-09-24	10:30	2010-09-24

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 26 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Big Sky Dairy were received by TraceAnalysis, Inc. on 2010-09-24 and assigned to work order 10092817. Samples for work order 10092817 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	63896	2010-10-06 at 23:35	74477	2010-10-06 at 23:35
Chloride (IC)	E 300.0	63900	2010-10-07 at 18:21	74482	2010-10-07 at 18:21
Chloride (IC)	E 300.0	63901	2010-10-07 at 22:34	74483	2010-10-07 at 22:34
Nitrate and Nitrite as N	SM 4500-NO3 E	63990	2010-10-21 at 08:11	74592	2010-10-21 at 08:12
Nitrate and Nitrite as N	SM 4500-NO3 E	63991	2010-10-21 at 08:24	74593	2010-10-21 at 08:24
TDS	SM 2540C	63465	2010-09-28 at 16:20	73969	2010-09-28 at 16:20
TDS	SM 2540C	63511	2010-09-29 at 10:35	74021	2010-09-29 at 10:35
TDS	SM 2540C	63513	2010-09-30 at 12:33	74022	2010-09-30 at 12:33
TKN	SM 4500-NH3 B,C	63579	2010-10-05 at 13:12	74153	2010-10-06 at 14:02
TKN	SM 4500-NH3 B,C	63613	2010-10-06 at 10:23	74154	2010-10-06 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 10092817 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: 246035 - 833-1

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63896 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		881	mg/L	50	2.50

Sample: 246035 - 833-1

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63990 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		96.0	mg/L	100	0.100

Sample: 246035 - 833-1

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 Sample Preparation: 2010-09-28 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3300	mg/L	1	5.00

Sample: 246035 - 833-1

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 Sample Preparation: 2010-10-05 Prepared By: AH

continued . . .

sample 246035 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246036 - 833-2

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63896 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		833	mg/L	50	2.50

Sample: 246036 - 833-2

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63990 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		174	mg/L	500	0.100

Sample: 246036 - 833-2

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 Sample Preparation: 2010-09-28 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3650	mg/L	1	5.00

Sample: 246036 - 833-2

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246037 - 833-3

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74482 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63900 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1410	mg/L	50	2.50

Sample: 246037 - 833-3

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63990 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		59.0	mg/L	100	0.100

Sample: 246037 - 833-3

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 Sample Preparation: 2010-09-28 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3880	mg/L	1	5.00

Sample: 246037 - 833-3

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246038 - 833-4

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74482 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63900 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		915	mg/L	50	2.50

Sample: 246038 - 833-4

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63990 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		91.0	mg/L	500	0.100

Sample: 246038 - 833-4

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 Sample Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3480	mg/L	1	5.00

Sample: 246038 - 833-4

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246039 - 833-5

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74482 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63900 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1330	mg/L	50	2.50

Sample: 246039 - 833-5

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63990 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		95.0	mg/L	100	0.100

Sample: 246039 - 833-5

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 Sample Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3800	mg/L	1	5.00

Sample: 246039 - 833-5

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246040 - 833-6

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74482 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63900 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		761	mg/L	50	2.50

Sample: 246040 - 833-6

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63991 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		202	mg/L	500	0.100

Sample: 246040 - 833-6

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 Sample Preparation: 2010-09-29 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2680	mg/L	1	5.00

Sample: 246040 - 833-6

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246041 - 833-7

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63901 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		933	mg/L	50	2.50

Sample: 246041 - 833-7

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63991 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		425	mg/L	500	0.100

Sample: 246041 - 833-7

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 Sample Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3800	mg/L	1	5.00

Sample: 246041 - 833-7

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63613 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246042 - 833-8

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63901 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		985	mg/L	50	2.50

Sample: 246042 - 833-8

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63991 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		302	mg/L	500	0.100

Sample: 246042 - 833-8

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 Sample Preparation: 2010-09-29 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3600	mg/L	1	5.00

Sample: 246042 - 833-8

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63613 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246043 - 833-9

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63901 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1050	mg/L	50	2.50

Sample: 246043 - 833-9

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63991 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		191	mg/L	500	0.100

Sample: 246043 - 833-9

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 Sample Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		4110	mg/L	1	5.00

Sample: 246043 - 833-9

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63613 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246044 - 833-10

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63901 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		654	mg/L	50	2.50

Sample: 246044 - 833-10

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63991 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		32.0	mg/L	100	0.100

Sample: 246044 - 833-10

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 Sample Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2250	mg/L	1	5.00

Sample: 246044 - 833-10

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63613 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246045 - Lagoon

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63901 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		578	mg/L	50	2.50

Sample: 246045 - Lagoon

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63991 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		101	mg/L	625	0.100

Sample: 246045 - Lagoon

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 Sample Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3800	mg/L	1	5.00

Sample: 246045 - Lagoon

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63613 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		179	mg/L	1	10.0

Method Blank (1) QC Batch: 73969

QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 QC Preparation: 2010-09-28 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74021

QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 QC Preparation: 2010-09-29 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74022

QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 QC Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74153

QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 QC Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74154

QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63613 QC Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74477

QC Batch: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63896 QC Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74482

QC Batch: 74482 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63900 QC Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74483

QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63901 QC Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74592

QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63990 QC Preparation: 2010-10-21 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Method Blank (1) QC Batch: 74593

QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63991 QC Preparation: 2010-10-21 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Duplicates (1) Duplicated Sample: 245898

QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 QC Preparation: 2010-09-28 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	4340	4320	mg/L	1	0	10

Duplicates (1) Duplicated Sample: 246127

QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 QC Preparation: 2010-09-29 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	3560	3470	mg/L	1	3	10

Duplicates (1) Duplicated Sample: 246044

QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 QC Preparation: 2010-09-30 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	2260	2250	mg/L	1	0	10

Laboratory Control Spike (LCS-1)

QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 QC Preparation: 2010-09-28 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	972	mg/L	1	1000	<5.00	97	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	957	mg/L	1	1000	<5.00	96	90 - 110	2	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: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 QC Preparation: 2010-09-29 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	1030	mg/L	1	1000	<5.00	103	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	982	mg/L	1	1000	<5.00	98	90 - 110	5	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: 74022
Prep Batch: 63513

Date Analyzed: 2010-09-30
QC Preparation: 2010-09-30

Analyzed By: MD
Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	963	mg/L	1	1000	<5.00	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	986	mg/L	1	1000	<5.00	99	90 - 110	2	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: 74153
Prep Batch: 63579

Date Analyzed: 2010-10-06
QC Preparation: 2010-10-05

Analyzed By: AH
Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	42.7	mg/L	1	50.0	<2.05	85	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	44.1	mg/L	1	50.0	<2.05	88	84.1 - 114	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: 74154
Prep Batch: 63613

Date Analyzed: 2010-10-06
QC Preparation: 2010-10-06

Analyzed By: AH
Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	46.1	mg/L	1	50.0	<2.05	92	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	46.9	mg/L	1	50.0	<2.05	94	84.1 - 114	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: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63896 QC Preparation: 2010-10-06 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.2	mg/L	1	25.0	<0.500	97	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.2	mg/L	1	25.0	<0.500	97	90 - 110	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 74482 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63900 QC Preparation: 2010-10-07 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.1	mg/L	1	25.0	<0.500	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.3	mg/L	1	25.0	<0.500	97	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: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63901 QC Preparation: 2010-10-07 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	25.6	mg/L	1	25.0	<0.500	102	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	25.5	mg/L	1	25.0	<0.500	102	90 - 110	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: 246040

QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 QC Preparation: 2010-10-05 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	32.8	mg/L	1	50.0	<2.05	66	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	35.1	mg/L	1	50.0	<2.05	70	50.7 - 127	7	20

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

Matrix Spike (MS-1) Spiked Sample: 246129

QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63613 QC Preparation: 2010-10-06 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	41.0	mg/L	1	50.0	<2.05	82	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	42.7	mg/L	1	50.0	<2.05	85	50.7 - 127	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: 245896

QC Batch: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63896 QC Preparation: 2010-10-06 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1880	mg/L	55.6	1390	446	103	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1870	mg/L	55.6	1390	446	102	90 - 110	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: 245581

QC Batch: 74482 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63900 QC Preparation: 2010-10-07 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	27.2	mg/L	1.11	27.8	<0.555	98	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	26.8	mg/L	1.11	27.8	<0.555	96	90 - 110	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: 246129

QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63901 QC Preparation: 2010-10-07 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1980	mg/L	55.6	1390	472	108	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1990	mg/L	55.6	1390	472	109	90 - 110	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: 246039

QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63990 QC Preparation: 2010-10-21 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	97.0 ¹	mg/L	100	0.200	95	1000	80 - 120

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

continued ...

¹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	97.0	mg/L	100	0.200	95	48500	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: 246129

QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63991 QC Preparation: 2010-10-21 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	² 31.8	mg/L	100	0.200	<0.846	15900	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	³ 32.3	mg/L	100	0.200	<0.846	1150	80 - 120	2	20

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

Standard (ICV-1)

QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.62	92	85 - 115	2010-10-06

Standard (CCV-1)

QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.56	91	85 - 115	2010-10-06

²Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

³Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Standard (ICV-1)

QC Batch: 74154

Date Analyzed: 2010-10-06

Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.04	101	85 - 115	2010-10-06

Standard (CCV-1)

QC Batch: 74154

Date Analyzed: 2010-10-06

Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.12	102	85 - 115	2010-10-06

Standard (CCV-1)

QC Batch: 74477

Date Analyzed: 2010-10-06

Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.0	96	90 - 110	2010-10-06

Standard (CCV-2)

QC Batch: 74477

Date Analyzed: 2010-10-06

Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.1	96	90 - 110	2010-10-06

Standard (CCV-1)

QC Batch: 74482

Date Analyzed: 2010-10-07

Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.2	97	90 - 110	2010-10-07

Standard (CCV-2)

QC Batch: 74482 Date Analyzed: 2010-10-07 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.3	97	90 - 110	2010-10-07

Standard (CCV-1)

QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.3	97	90 - 110	2010-10-07

Standard (CCV-2)

QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.4	98	90 - 110	2010-10-07

Standard (ICV-1)

QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.212	106	85 - 115	2010-10-21

Standard (CCV-1)

QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.207	104	85 - 115	2010-10-21

Standard (ICV-1)

QC Batch: 74593

Date Analyzed: 2010-10-21

Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.207	104	85 - 115	2010-10-21

Standard (CCV-1)

QC Batch: 74593

Date Analyzed: 2010-10-21

Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.212	106	85 - 115	2010-10-21

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: Big Sky Dairy
 Project #: 334256
 Project Location (including state): Big Sky Dairy, P.O. Box 10, Mesquite, NM 88048
 Sampler Signature: [Signature]
 Project Location (including state): Big Sky Dairy, 17800 Stem 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	500ml	X				X						9/23/10	14:30
833-1		1	500ml	X				X						9/23/10	14:00
833-2		1	500ml	X				X						9/23/10	10:35
833-2		1	500ml	X				X						9/23/10	10:35
833-3		1	500ml	X				X						9/24/10	9:30
833-3		1	500ml	X				X						9/24/10	9:26
833-4		1	500ml	X				X						9/24/10	8:27
833-4	1 Liters	1	500ml	X				X						9/24/10	9:27
833-5		1	500ml	X				X						9/24/10	9:34
833-5		1	500ml	X				X						9/24/10	9:34
833-6		1	500ml	X				X						9/24/10	9:21
833-6		1	500ml	X				X						9/24/10	9:21
833-7		1	500ml	X				X						9/23/10	11:20
833-7		1	500ml	X				X						9/23/10	11:20
833-8		1	500ml	X				X						9/23/10	11:20
833-8		1	500ml	X				X						9/23/10	11:20

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/Nitrite EPA 353.5 modified	X
Total Kjeldahl Nitrogen SM 4500 NORG C	X
Chloride EPA 300.0	X
Total Dissolved Solids SM 2540 C MOD	X
Turn Around Time	
Hold	

Relinquished By: [Signature] Date: 9/24/10 10:45
 Relinquished By: [Signature] Date: 9/27/10 1200

Received By: [Signature] Date: 9/24/10 16:15
 Received at Laboratory By: Carol Fox Date: 9-28-10 9:20 AM

Lab Use Only
 Intact Y / N
 Headspace Y / N
 Temp 23.3 C
 Log-in Review

Remarks: CI, TDS in EPA
Dry Weight Basis Required
TRRP Report Required

Company Name: D&H Petroleum & Environmental Services
Address: (Street, City, Zip) 1221 Tower Trail Ln., El Paso, Texas 79907
Contact Person: Victor Ayala
Project Name: Big Sky Dairy
Project #: 334256
Project Location (including state): Big Sky Dairy, 17800 Stern Drive, Mesquite, NM
Sampler Signature: *[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			
043	833-9	1	500ml	X				X	X	X		9/24/10	12:20	
	833-9	1	500ml	X				X	X	X			12:20	
044	833-10	1	500ml	X				X	X	X				
	833-10	1	500ml	X				X	X	X				
045	Lajonay	1	500ml	X				X	X	X		9/24/10	10:30	
	Lajonay	1	500ml	X				X	X	X		9/24/10	10:50	

ANALYSIS REQUEST

MTBE 8021B/602	
BTEX 8021B/602	
TPH 418.1 / TX1005	
TX 1005 Extended (C35)	
PAH 8270C	
PAH 8270 (Low Level Analysis)	
Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	X
Nitrates/Nitrite EPA 353.5 modified	X
Total Kjeldhal Nitrogen SM 4500 NORG C	X
Chloride EPA 300.0	X
Total Dissolved Solids SM 2540 C MOD	X

Remarks: Cl, TDS ~ 80

Lab Use Only
 Intact Y/N
 Headspace Y/N
 Temp 22.2
 Log-in Review Y/N

Relinquished By: [Signature] Date: 9/24/10 Time: 10:45
 Received By: [Signature] Date: 9/24/10 Time: 16:45

Relinquished By: [Signature] Date: 9/24/10 Time: 12:00
 Received at Laboratory By: Cand Fox Date: 9-28-10 Time: 9:20 AM



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 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Victor Ayala
 D & H Petroleum and Environmental
 1221 Tower Trail
 P. O. Box 17969
 El Paso, TX, 79907

Report Date: October 19, 2010

Work Order: 10092325



DP: 340
 Project Location: 13520 Stern Drive, Mesquite, NM
 Project Name: Bright Star Dairy
 Project Number: 334250

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
245594	340-1	water	2010-09-21	13:50	2010-09-21
245595	340-2	water	2010-09-21	14:50	2010-09-21
245596	Lagoon	water	2010-09-21	15:10	2010-09-21

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

This report consists of a total of 13 pages and shall not be reproduced except in its entirety, without written approval of

TraceAnalysis, Inc.



Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Bright Star Dairy were received by TraceAnalysis, Inc. on 2010-09-21 and assigned to work order 10092325. Samples for work order 10092325 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	63762	2010-10-05 at 04:30	74315	2010-10-05 at 04:30
Chloride (IC)	E 300.0	63893	2010-10-06 at 19:22	74473	2010-10-06 at 19:22
Nitrate and Nitrite as N	SM 4500-NO3 E	63582	2010-10-05 at 13:47	74104	2010-10-05 at 13:50
Nitrate and Nitrite as N	SM 4500-NO3 E	63605	2010-10-05 at 17:14	74119	2010-10-05 at 17:14
TDS	SM 2540C	63393	2010-09-24 at 11:34	73895	2010-09-24 at 11:34
TKN	SM 4500-NH3 B,C	63536	2010-10-04 at 09:42	74058	2010-10-04 at 09:43

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 10092325 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: 245594 - 340-1

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		513	mg/L	50	2.50

Sample: 245594 - 340-1

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		24.8	mg/L	50	0.100

Sample: 245594 - 340-1

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 Sample Preparation: 2010-09-24 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3070	mg/L	1	5.00

Sample: 245594 - 340-1

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 Sample Preparation: 2010-10-04 Prepared By: AH

continued . . .

sample 245594 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245595 - 340-2

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
 Prep Batch: 63762 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		778	mg/L	50	2.50

Sample: 245595 - 340-2

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
 Prep Batch: 63582 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		92.2	mg/L	100	0.100

Sample: 245595 - 340-2

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
 Prep Batch: 63393 Sample Preparation: 2010-09-24 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3260	mg/L	1	5.00

Sample: 245595 - 340-2

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245596 - Lagoon

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63893 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1160	mg/L	100	2.50

Sample: 245596 - Lagoon

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63605 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		110	mg/L	625	0.100

Sample: 245596 - Lagoon

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 Sample Preparation: 2010-09-24 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		4020	mg/L	1	5.00

Sample: 245596 - Lagoon

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		163	mg/L	1	10.0

Method Blank (1) QC Batch: 73895

QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 QC Preparation: 2010-09-24 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74058

QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 QC Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74104

QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 QC Preparation: 2010-10-05 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		0.0150	mg/L	0.1

Report Date: October 19, 2010
334250

Work Order: 10092325
Bright Star Dairy

Page Number: 8 of 13
13520 Stern Drive, Mesquite, NM

Method Blank (1) QC Batch: 74119

QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63605 QC Preparation: 2010-10-05 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		0.0150	mg/L	0.1

Method Blank (1) QC Batch: 74315

QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 QC Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74473

QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63893 QC Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Duplicates (1) Duplicated Sample: 245578

QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 QC Preparation: 2010-09-24 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	8380	8650	mg/L	1	3	10

Laboratory Control Spike (LCS-1)

QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 QC Preparation: 2010-09-24 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110	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: 245597

QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 QC Preparation: 2010-10-04 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	56.7	mg/L	1	50.0	12.7	88	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	58.7	mg/L	1	50.0	12.7	92	50.7 - 127	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: 245595

QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 QC Preparation: 2010-10-05 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	92.4	mg/L	100	0.200	92.2	100	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	92.4	mg/L	100	0.200	92.2	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: 245605

QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63605 QC Preparation: 2010-10-05 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	<0.212	mg/L	25	0.200	<0.212	0	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	<0.212	mg/L	25	0.200	<0.212	0	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: 245599

QC Batch: 74315
Prep Batch: 63762

Date Analyzed: 2010-10-05
QC Preparation: 2010-10-05

Analyzed By: JR
Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1840	mg/L	55.6	1390	369	106	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1840	mg/L	55.6	1390	369	106	90 - 110	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: 246296

QC Batch: 74473
Prep Batch: 63893

Date Analyzed: 2010-10-06
QC Preparation: 2010-10-06

Analyzed By: JR
Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	14700	mg/L	556	13900	1110	98	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	14700	mg/L	556	13900	1110	98	90 - 110	0	20

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

¹ Dilution necessary due to natural color of sample. Matrix spike/matrix interference. Use LCS and LCSD to show that analysis is under control.

² Dilution necessary due to natural color of sample. Matrix spike/matrix interference. Use LCS and LCSD to show that analysis is under control.

Standard (ICV-1)

QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.35	107	85 - 115	2010-10-04

Standard (CCV-1)

QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.70	94	85 - 115	2010-10-04

Standard (ICV-1)

QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.205	102	85 - 115	2010-10-05

Standard (CCV-1)

QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.205	102	85 - 115	2010-10-05

Standard (ICV-1)

QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.206	103	85 - 115	2010-10-05

Standard (CCV-1)

QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.206	103	85 - 115	2010-10-05

Standard (CCV-1)

QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.3	97	90 - 110	2010-10-05

Standard (CCV-2)

QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.3	97	90 - 110	2010-10-05

Standard (CCV-1)

QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.2	97	90 - 110	2010-10-06

Standard (CCV-2)

QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.0	96	90 - 110	2010-10-06

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: Bright Star Dairy
 Invoice to (if different from above): Bright Star Dairy, P.O. Box 167, Mesquite, NM 88048
 Project #: 334250

Project Location (including state): Bright Star Dairy, 13520 Stern Drive, Mesquite, NM
 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			ICE
245594	340-1	1	500ml	X				X		X			9-21-10	13:50
	340-1	1	500ml	X				X		X				13:50
595	340-2	1	500ml	X				X		X				14:50
	340-2	1	500ml	X				X		X				14:50
596	Lagoon	1	500ml	X				X		X			9-21-10	15:10
	Lagoon	1	500ml	X				X		X				15:10

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	X
Nitrates/Nitrite EPA 353.5 modified	X
Total Kjeldahl Nitrogen SM 4500 NORG C	X
Chloride EPA 300.0	X
Total Dissolved Solids SM 2540 C MOD	X
Hold	

Lab-Use Only	Intact <u>Y</u> / <u>N</u>	Headspace <u>Y</u> / <u>N</u>	Temp <u>17.2°C</u>	Log-in Review <u>4</u>
Remarks:	CI, TPS in BP Dry Weight Basis Required TRRP Report Required			

Relinquished By:	Date: <u>9-21-10</u>	Time: <u>16:45</u>	Received By:	Date: <u>9/22/10</u>	Time: <u>16:00</u>
Relinquished By:	Date: <u>9/21/10</u>	Time: <u>1700</u>	Received at Laboratory By:	Date: <u>9-23-10</u>	Time: <u>9:20</u>



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1298 FAX 806•794•1298
 200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Victor Ayala
 D & H Petroleum and Environmental
 1221 Tower Trail
 P. O. Box 17969
 El Paso, TX, 79907

Report Date: October 6, 2010

Work Order: 10092211



DP: 86
Project Location: 13290 Stern Drive, Mesquite, NM
Project Name: Buena Vista Dairy #1
Project Number: 334257

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
245368	86-1	water	2010-09-20	10:48	2010-09-20
245369	86-2	water	2010-09-20	12:20	2010-09-20

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

This report consists of a total of 10 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Buena Vista Dairy #1 were received by TraceAnalysis, Inc. on 2010-09-20 and assigned to work order 10092211. Samples for work order 10092211 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	63625	2010-10-05 at 20:04	74145	2010-10-05 at 20:04
Nitrate and Nitrite as N	SM 4500-NO3 E	63318	2010-09-24 at 11:58	73805	2010-09-24 at 11:58
TDS	SM 2540C	63250	2010-09-21 at 16:41	73735	2010-09-21 at 16:41
TKN	SM 4500-NH3 B,C	63517	2010-10-01 at 14:33	74071	2010-10-04 at 11:20

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10092211 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: 245368 - 86-1

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2330	mg/L	50	2.50

Sample: 245368 - 86-1

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63318 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		86.9	mg/L	100	0.100

Sample: 245368 - 86-1

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
Prep Batch: 63250 Sample Preparation: 2010-09-21 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		6500	mg/L	1	5.00

Sample: 245368 - 86-1

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 Sample Preparation: 2010-10-01 Prepared By: AH

continued . . .

sample 245368 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245369 - 86-2

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		613	mg/L	50	2.50

Sample: 245369 - 86-2

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63318 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		24.1	mg/L	25	0.100

Sample: 245369 - 86-2

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
Prep Batch: 63250 Sample Preparation: 2010-09-21 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2980	mg/L	1	5.00

Sample: 245369 - 86-2

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Method Blank (1) QC Batch: 73735

QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
Prep Batch: 63250 QC Preparation: 2010-09-21 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 73805

QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63318 QC Preparation: 2010-09-24 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Method Blank (1) QC Batch: 74071

QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 QC Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74145

QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 QC Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Duplicates (1) Duplicated Sample: 245368

QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
Prep Batch: 63250 QC Preparation: 2010-09-21 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	6540	6500	mg/L	1	1	10

Laboratory Control Spike (LCS-1)

QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
Prep Batch: 63250 QC Preparation: 2010-09-21 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	1030	mg/L	1	1000	<5.00	103	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	978	mg/L	1	1000	<5.00	98	90 - 110	5	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: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 QC Preparation: 2010-10-01 Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	50.4	mg/L	1	50.0	<2.05	101	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	51.2	mg/L	1	50.0	<2.05	102	84.1 - 114	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: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
 Prep Batch: 63625 QC Preparation: 2010-10-05 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110	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: 245369

QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB
 Prep Batch: 63318 QC Preparation: 2010-09-24 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	24.3	mg/L	25	0.200	24.1	100	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	24.3	mg/L	25	0.200	24.1	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: 245362

QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
 Prep Batch: 63517 QC Preparation: 2010-10-01 Prepared By: AH

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	44.1	mg/L	1	50.0	<2.05	88	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	47.9	mg/L	1	50.0	<2.05	96	50.7 - 127	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: 245361

QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 QC Preparation: 2010-10-05 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1890	mg/L	55.6	1390	441	104	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1900	mg/L	55.6	1390	441	105	90 - 110	0	20

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

Standard (ICV-1)

QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.203	102	85 - 115	2010-09-24

Standard (CCV-1)

QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.200	100	85 - 115	2010-09-24

Standard (ICV-1)

QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.12	102	85 - 115	2010-10-04

Standard (CCV-1)

QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.32	106	85 - 115	2010-10-04

Standard (CCV-1)

QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.1	96	90 - 110	2010-10-05

Standard (CCV-2)

QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.2	97	90 - 110	2010-10-05

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) 588-3443

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

Company Name: DTA Petroleum & Environmental Phone #: 806-859-8150

Address: (Street, City, Zip) 122 Tower Trail Ln Fax #: _____

Contact Person: Victor Ayala E-mail: _____

Invoice to: _____

(If different from above)

Project #: 334246 Project Name: Bucca Vista

Project Location (including state): 13200 Steve H. Kessack NW Sampler Signature: _____

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX			PRESERVATIVE METHOD				SAMPLING		TIME	Turn Around Time if different from standard
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE		
245368	86-1	1	500ml X					X				9-20-10	10:48	Hold
369	86-1	1	500ml X					X				10:48		
	86-2	1	500ml X					X				12:20		
	86-2	1	500ml X					X				12:20		

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	MTBE 8021 / 602 / 8260 / 624
<input type="checkbox"/>	BTEX 8021 / 602 / 8260 / 624
<input type="checkbox"/>	TPH 418.1 / TX1005 / TX1005 EX(C35)
<input type="checkbox"/>	TPH 8015 GRO / DRO / TVHC
<input type="checkbox"/>	PAH 8270 / 625
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	TCLP Pesticides
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260 / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270 / 625
<input type="checkbox"/>	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, F1, S04, NO3, NO2, Alkalinity
<input type="checkbox"/>	Na, Ca, Mg, K, TDS, EC
<input checked="" type="checkbox"/>	Nitrates/Nitrite 233.5 mg
<input checked="" type="checkbox"/>	TKN 705 5/12/50
<input checked="" type="checkbox"/>	Alkaline EPA 300.0

Relinquished by: _____ Company: _____ Date: 9-20-10 17:00 Time: 9-20-10 17:00 INST 172 OBS 172 COR 172

Relinquished by: _____ Company: _____ Date: 9-20-10 17:00 Time: 9-20-10 17:00 INST 172 OBS 172 COR 172

Relinquished by: _____ Company: _____ Date: 9-22-10 9:05 AM Time: 9-22-10 9:05 AM INST 172 OBS 172 COR 172

REMARKS: TDS, Cl. in EPA

LAB USE ONLY

Inject Y N

Headspace Y N

Log-in-Review

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 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
LELAP-02003 LELAP-02002
Kansas E-10317

Analytical and Quality Control Report

Victor Ayala
D & H Petroleum and Environmental
1221 Tower Trail
P. O. Box 17969
El Paso, TX, 79907

Report Date: October 6, 2010

Work Order: 10092209



DP: 74
Project Location: 16910 Stern Drive, Mesquite, NM
Project Name: Buena Vista Dairy #2
Project Number: 334258

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
245358	74-1	water	2010-09-17	15:25	2010-09-20
245359	74-2	water	2010-09-17	16:10	2010-09-20
245360	74-3	water	2010-09-20	09:30	2010-09-20
245361	74-4	water	2010-09-20	10:30	2010-09-20
245362	74-5	water	2010-09-17	15:45	2010-09-20

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

This report consists of a total of 13 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Buena Vista Dairy #2 were received by TraceAnalysis, Inc. on 2010-09-20 and assigned to work order 10092209. Samples for work order 10092209 were received intact without headspace and 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	63625	2010-10-05 at 20:04	74145	2010-10-05 at 20:04
Nitrate and Nitrite as N	SM 4500-NO3 E	63318	2010-09-24 at 11:58	73805	2010-09-24 at 11:58
TDS	SM 2540C	63250	2010-09-21 at 16:41	73735	2010-09-21 at 16:41
TKN	SM 4500-NH3 B,C	63517	2010-10-01 at 14:33	74071	2010-10-04 at 11:20

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10092209 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: 245358 - 74-1

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		695	mg/L	50	2.50

Sample: 245358 - 74-1

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63318 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		36.7	mg/L	50	0.100

Sample: 245358 - 74-1

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
Prep Batch: 63250 Sample Preparation: 2010-09-21 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2760	mg/L	1	5.00

Sample: 245358 - 74-1

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 Sample Preparation: 2010-10-01 Prepared By: AH

continued . . .

sample 245358 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245359 - 74-2

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		665	mg/L	50	2.50

Sample: 245359 - 74-2

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63318 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		30.6	mg/L	50	0.100

Sample: 245359 - 74-2

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
Prep Batch: 63250 Sample Preparation: 2010-09-21 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2400	mg/L	1	5.00

Sample: 245359 - 74-2

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245360 - 74-3

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1490	mg/L	50	2.50

Sample: 245360 - 74-3

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63318 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		21.3	mg/L	25	0.100

Sample: 245360 - 74-3

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
Prep Batch: 63250 Sample Preparation: 2010-09-21 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		4840	mg/L	1	5.00

Sample: 245360 - 74-3

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245361 - 74-4

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		441	mg/L	50	2.50

Sample: 245361 - 74-4

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63318 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		10.6	mg/L	25	0.100

Sample: 245361 - 74-4

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
Prep Batch: 63250 Sample Preparation: 2010-09-21 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1640	mg/L	1	5.00

Sample: 245361 - 74-4

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245362 - 74-5

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		439	mg/L	50	2.50

Sample: 245362 - 74-5

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63318 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		17.6	mg/L	25	0.100

Sample: 245362 - 74-5

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
Prep Batch: 63250 Sample Preparation: 2010-09-21 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1880	mg/L	1	5.00

Sample: 245362 - 74-5

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Method Blank (1) QC Batch: 73735

QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
Prep Batch: 63250 QC Preparation: 2010-09-21 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 73805

QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63318 QC Preparation: 2010-09-24 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Method Blank (1) QC Batch: 74071

QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 QC Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74145

QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
 Prep Batch: 63625 QC Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Duplicates (1) Duplicated Sample: 245368

QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
 Prep Batch: 63250 QC Preparation: 2010-09-21 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	6540	6500	mg/L	1	1	10

Laboratory Control Spike (LCS-1)

QC Batch: 73735 Date Analyzed: 2010-09-21 Analyzed By: MD
 Prep Batch: 63250 QC Preparation: 2010-09-21 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	1030	mg/L	1	1000	<5.00	103	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	978	mg/L	1	1000	<5.00	98	90 - 110	5	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: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
 Prep Batch: 63517 QC Preparation: 2010-10-01 Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	50.4	mg/L	1	50.0	<2.05	101	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	51.2	mg/L	1	50.0	<2.05	102	84.1 - 114	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: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
 Prep Batch: 63625 QC Preparation: 2010-10-05 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110	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: 245369

QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB
 Prep Batch: 63318 QC Preparation: 2010-09-24 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit
Nitrate and Nitrite as N	24.3	mg/L	25	0.200	24.1	100	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec. Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	24.3	mg/L	25	0.200	24.1	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: 245362

QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
 Prep Batch: 63517 QC Preparation: 2010-10-01 Prepared By: AH

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	44.1	mg/L	1	50.0	<2.05	88	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	47.9	mg/L	1	50.0	<2.05	96	50.7 - 127	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: 245361

QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 QC Preparation: 2010-10-05 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1890	mg/L	55.6	1390	441	104	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1900	mg/L	55.6	1390	441	105	90 - 110	0	20

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

Standard (ICV-1)

QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.203	102	85 - 115	2010-09-24

Standard (CCV-1)

QC Batch: 73805 Date Analyzed: 2010-09-24 Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.200	100	85 - 115	2010-09-24

Standard (ICV-1)

QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.12	102	85 - 115	2010-10-04

Standard (CCV-1)

QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.32	106	85 - 115	2010-10-04

Standard (CCV-1)

QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.1	96	90 - 110	2010-10-05

Standard (CCV-2)

QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.2	97	90 - 110	2010-10-05

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

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

Invoice to (if different from above):
 Buena Vista Dairy #2, P.O. Box 346, Mesquite, NM 88048

Project #: 334258
 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		Turn Around Time	Hold		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE			TIME	
245358	74-1	1	500ml	X				X				X			9-17-10	15:25		
	74-1	1	500ml	X				X				X			9-17-10	15:25		
359	74-2	1	500ml	X				X				X			9-17-10	14:10		
	74-2	1	500ml	X				X				X			9-17-10	14:10		
360	74-3	1	500ml	X				X				X			9-20-10	9:30		
	74-3	1	500ml	X				X				X			9-20-10	9:30		
361	74-4	1	500ml	X				X				X			9-20-10	10:30		
	74-4	1	500ml	X				X				X			9-20-10	10:30		
362	74-5	1	500ml	X				X				X			9-17-10	15:45		
	74-5	1	500ml	X				X				X			9-17-10	15:45		

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/Nitrite EPA 353.5 modified
 Total Kjeldahl Nitrogen SM 4500 NORG C
 Chloride EPA 300.0
 Total Dissolved Solids SM 2540 C MOD

Remarks: TDS + Cl. in EPA

Relinquished By: 7. Meirus Date: 9-20-10 Time: 16:55
 Received By: *[Signature]* Date: 9-20-10 Time: 16:55

Lab Use Only
 Intact Y/N
 Headspace Y/N
 Temp *[Signature]*
 Log-in Review *[Signature]*

Relinquished By: *[Signature]* Date: 9/20/10 Time: 1700
 Received at Laboratory By: Carol Fox Date: 9-22-10 Time: 9:05 AM

Dry Weight Basis Required
 TRRP Report Required LS 46067696



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 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
LELAP-02003
Kansas E-10317
LELAP-02002

Analytical and Quality Control Report

Victor Ayala
D & H Petroleum and Environmental
1221 Tower Trail
P. O. Box 17969
El Paso, TX, 79907

Report Date: October 6, 2010

Work Order: 10092103



Project Location: Various Dairies, Dona Ana County, NM
Project Name: Dona Ana Dairies Consortium
Project Number: 334273

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
245273	DAD-01	water	2010-09-16	08:35	2010-09-17
245274	DAD-02	water	2010-09-16	09:20	2010-09-17
245275	DAD-03	water	2010-09-16	10:30	2010-09-17
245276	DAD-04	water	2010-09-16	11:10	2010-09-17
245277	DAD-05	water	2010-09-16	12:05	2010-09-17
245278	DAD-06	water	2010-09-16	13:45	2010-09-17
245279	DAD-07	water	2010-09-16	15:00	2010-09-17
245280	DAD-08	water	2010-09-17	08:20	2010-09-17
245281	DAD-09	water	2010-09-17	10:10	2010-09-17
245282	DAD-10	water	2010-09-17	10:20	2010-09-17

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

This report consists of a total of 20 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Dona Ana Dairies Consortium were received by TraceAnalysis, Inc. on 2010-09-17 and assigned to work order 10092103. Samples for work order 10092103 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	63620	2010-09-20 at 15:11	74139	2010-09-20 at 15:11
Chloride (IC)	E 300.0	63622	2010-09-20 at 19:41	74142	2010-09-20 at 19:41
Nitrate and Nitrite as N	SM 4500-NO3 E	63317	2010-09-24 at 11:30	73803	2010-09-24 at 11:30
TDS	SM 2540C	63218	2010-09-20 at 10:51	73701	2010-09-20 at 10:51
TKN	E 351.3	63516	2010-10-01 at 14:32	74046	2010-10-01 at 18:14

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 10092103 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: 245273 - DAD-01

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74139 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63620 Sample Preparation: 2010-09-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		439	mg/L	50	2.50

Sample: 245273 - DAD-01

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63317 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		7.56	mg/L	25	0.100

Sample: 245273 - DAD-01

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 Sample Preparation: 2010-09-20 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1800	mg/L	1	5.00

Sample: 245273 - DAD-01

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH
Prep Batch: 63516 Sample Preparation: 2010-10-01 Prepared By: AH

continued . . .

sample 245273 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245274 - DAD-02

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74139 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63620 Sample Preparation: 2010-09-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		385	mg/L	50	2.50

Sample: 245274 - DAD-02

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63317 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		3.44	mg/L	25	0.100

Sample: 245274 - DAD-02

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 Sample Preparation: 2010-09-20 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1790	mg/L	1	5.00

Sample: 245274 - DAD-02

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH
Prep Batch: 63516 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245275 - DAD-03

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74139 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63620 Sample Preparation: 2010-09-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1370	mg/L	50	2.50

Sample: 245275 - DAD-03

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63317 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		0.217	mg/L	1	0.100

Sample: 245275 - DAD-03

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 Sample Preparation: 2010-09-20 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		4320	mg/L	1	5.00

Sample: 245275 - DAD-03

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH
Prep Batch: 63516 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245276 - DAD-04

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74139 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63620 Sample Preparation: 2010-09-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		683	mg/L	50	2.50

Sample: 245276 - DAD-04

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63317 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		<0.100	mg/L	1	0.100

Sample: 245276 - DAD-04

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 Sample Preparation: 2010-09-20 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2560	mg/L	1	5.00

Sample: 245276 - DAD-04

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH
Prep Batch: 63516 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245277 - DAD-05

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74139 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63620 Sample Preparation: 2010-09-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		536	mg/L	50	2.50

Sample: 245277 - DAD-05

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63317 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		<2.50	mg/L	25	0.100

Sample: 245277 - DAD-05

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 Sample Preparation: 2010-09-20 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2220	mg/L	1	5.00

Sample: 245277 - DAD-05

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH
Prep Batch: 63516 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245278 - DAD-06

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74142 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63622 Sample Preparation: 2010-09-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		359	mg/L	50	2.50

Sample: 245278 - DAD-06

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63317 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		9.20	mg/L	25	0.100

Sample: 245278 - DAD-06

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 Sample Preparation: 2010-09-20 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1370	mg/L	1	5.00

Sample: 245278 - DAD-06

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH
Prep Batch: 63516 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245279 - DAD-07

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74142 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63622 Sample Preparation: 2010-09-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		637	mg/L	50	2.50

Sample: 245279 - DAD-07

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63317 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		<2.50	mg/L	25	0.100

Sample: 245279 - DAD-07

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 Sample Preparation: 2010-09-20 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1990	mg/L	1	5.00

Sample: 245279 - DAD-07

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH
Prep Batch: 63516 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245280 - DAD-08

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74142 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63622 Sample Preparation: 2010-09-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1370	mg/L	50	2.50

Sample: 245280 - DAD-08

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63317 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		<2.50	mg/L	25	0.100

Sample: 245280 - DAD-08

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 Sample Preparation: 2010-09-20 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3230	mg/L	1	5.00

Sample: 245280 - DAD-08

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH
Prep Batch: 63516 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245281 - DAD-09

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74142 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63622 Sample Preparation: 2010-09-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		204	mg/L	50	2.50

Sample: 245281 - DAD-09

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63317 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		22.6	mg/L	25	0.100

Sample: 245281 - DAD-09

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 Sample Preparation: 2010-09-20 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1070	mg/L	1	5.00

Sample: 245281 - DAD-09

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH
Prep Batch: 63516 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245282 - DAD-10

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74142 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63622 Sample Preparation: 2010-09-20 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		404	mg/L	50	2.50

Sample: 245282 - DAD-10

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63317 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		2.73	mg/L	25	0.100

Sample: 245282 - DAD-10

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 Sample Preparation: 2010-09-20 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1320	mg/L	1	5.00

Sample: 245282 - DAD-10

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH
Prep Batch: 63516 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Method Blank (1) QC Batch: 73701

QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 QC Preparation: 2010-09-20 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 73803

QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63317 QC Preparation: 2010-09-24 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Method Blank (1) QC Batch: 74046

QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH
Prep Batch: 63516 QC Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74139

QC Batch: 74139 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63620 QC Preparation: 2010-09-20 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74142

QC Batch: 74142 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63622 QC Preparation: 2010-09-20 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Duplicates (1) Duplicated Sample: 245275

QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 QC Preparation: 2010-09-20 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	4320	4320	mg/L	1	0	10

Laboratory Control Spike (LCS-1)

QC Batch: 73701 Date Analyzed: 2010-09-20 Analyzed By: MD
Prep Batch: 63218 QC Preparation: 2010-09-20 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	1010	mg/L	1	1000	<5.00	101	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	1040	mg/L	1	1000	<5.00	104	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: 74046
Prep Batch: 63516

Date Analyzed: 2010-10-01
QC Preparation: 2010-10-01

Analyzed By: AH
Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	48.0	mg/L	1	50.0	<2.05	96	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	46.3	mg/L	1	50.0	<2.05	93	84.1 - 114	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: 74139
Prep Batch: 63620

Date Analyzed: 2010-09-20
QC Preparation: 2010-09-20

Analyzed By: JR
Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	25.1	mg/L	1	25.0	<0.500	100	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	25.0	mg/L	1	25.0	<0.500	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: 74142
Prep Batch: 63622

Date Analyzed: 2010-09-20
QC Preparation: 2010-09-20

Analyzed By: JR
Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	25.9	mg/L	1	25.0	<0.500	104	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	25.8	mg/L	1	25.0	<0.500	103	90 - 110	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: 245282

QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB
Prep Batch: 63317 QC Preparation: 2010-09-24 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	2.81	mg/L	25	0.200	2.73	40	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	2.94	mg/L	25	0.200	2.73	105	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: 245282

QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH
Prep Batch: 63516 QC Preparation: 2010-10-01 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	45.5	mg/L	1	50.0	<2.05	91	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	46.9	mg/L	1	50.0	<2.05	94	50.7 - 127	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: 245273

QC Batch: 74139 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63620 QC Preparation: 2010-09-20 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1920	mg/L	55.6	1390	439	106	90 - 110

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

continued ...

¹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

matrix spikes continued ...

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1930	mg/L	55.6	1390	439	107	90 - 110	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: 245273

QC Batch: 74142 Date Analyzed: 2010-09-20 Analyzed By: JR
Prep Batch: 63622 QC Preparation: 2010-09-20 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1670	mg/L	55.6	1390	204	105	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1670	mg/L	55.6	1390	204	105	90 - 110	0	20

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

Standard (ICV-1)

QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.201	100	85 - 115	2010-09-24

Standard (CCV-1)

QC Batch: 73803 Date Analyzed: 2010-09-24 Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.198	99	85 - 115	2010-09-24

Standard (ICV-1)

QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.79	96	85 - 115	2010-10-01

Standard (CCV-1)

QC Batch: 74046 Date Analyzed: 2010-10-01 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.54	91	85 - 115	2010-10-01

Standard (CCV-1)

QC Batch: 74139 Date Analyzed: 2010-09-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	23.5	94	90 - 110	2010-09-20

Standard (CCV-2)

QC Batch: 74139 Date Analyzed: 2010-09-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	25.1	100	90 - 110	2010-09-20

Standard (CCV-1)

QC Batch: 74142 Date Analyzed: 2010-09-20 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	25.1	100	90 - 110	2010-09-20

Standard (CCV-2)

QC Batch: 74142 Date Analyzed: 2010-09-20 Analyzed By: JR

Report Date: October 6, 2010
334273

Work Order: 10092103
Dona Ana Dairies Consortium

Page Number: 20 of 20
Various Dairies, Dona Ana County, NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	25.8	103	90 - 110	2010-09-20

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

TraceAnalysis, Inc.

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

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

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 #: vajala@dhpump.com
Fax #:
E-mail: vajala@dhpump.com

LAB Order ID # 1002103

Project Name: Dona Ana Dairies Consortium

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

Project #: 334273

Sampler Signature: [Signature]

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				Sampling		TIME	Turn Around Time
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE		
273	DAD-01	1	500ml	X				X	X	X	X	X	9-16-10	8:35	
274	DAD-01	1	500ml	X				X	X	X	X	X	9-16-10	8:35	
275	DAD-02	1	500ml	X				X	X	X	X	X	9-16-10	9:20	
276	DAD-02	1	500ml	X				X	X	X	X	X	9-16-10	9:20	
277	DAD-03	1	500ml	X				X	X	X	X	X	10:30		
278	DAD-03	1	500ml	X				X	X	X	X	X	10:30		
279	DAD-04	1	500ml	X				X	X	X	X	X	11:10		
280	DAD-04	1	500ml	X				X	X	X	X	X	11:10		
281	DAD-05	1	500ml	X				X	X	X	X	X	12:05		
282	DAD-05	1	500ml	X				X	X	X	X	X	12:05		
283	DAD-06	1	500ml	X				X	X	X	X	X	13:45		
284	DAD-06	1	500ml	X				X	X	X	X	X	13:45		
285	DAD-07	1	500ml	X				X	X	X	X	X	15:00		
286	DAD-07	1	500ml	X				X	X	X	X	X	15:00		
287	DAD-08	1	500ml	X				X	X	X	X	X	9-16-10	15:00	
288	DAD-08	1	500ml	X				X	X	X	X	X	9-17-10	8:20	
289	DAD-08	1	500ml	X				X	X	X	X	X	9-17-10	8:20	

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	X
Nitrates-EPA-300 Nitrate/Nitrite SA 4700.103F	X
TKN SM 4500 NORG C	X
Chloride EPA 300	X
Total Dissolved Solids SM 2540 C MOD	X

Relinquished By: [Signature] Date: 9-17-10 Time: 16:55

Relinquished By: [Signature] Date: 9-21-10 Time: 9:45 AM

Received By: [Signature] Date: 9-21-10 Time: 16:55

Received at Laboratory By: [Signature] Date: 9-21-10 Time: 9:45 AM

Lab Use Only

Intact	<input checked="" type="checkbox"/>	Y	N
Headspace	<input type="checkbox"/>	Y	N
Temp	<input type="checkbox"/>	OK	BY
Log-in Review	<input type="checkbox"/>	OK	BY

Remarks:

TPS & CIA EP

LS 46067695

Dry Weight Basis Required

TRRP Report Required

(22)

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

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

Company Name:

D&H Petroleum & Environmental Services

Address: (Street, City, Zip)

1221 Tower Trail Ln, El Paso TX 79907

Contact Person:

Victor Ayala

Invoice to (if different from above):

Dona Ana Dairies, PO Box 10, Mesquite, NM 88048

Project #:

334273

Project Location (including state):

Various Dairies, Dona Ana County, NM

Project Name:

Dona Ana Dairies Consortium

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
24528	DAD-09	1	500 ml	X				X					9-17-10	10:10
	DAD-09	1	500ml	X				X					9-17-10	10:10
282	DAD-10	2	500ml	X				X					10:20	10:20
	DAD-10	2	500ml	X				X					10:20	10:20
	DAD-09	1	500	X				X					9-17-10	10:25
	DAD-09	1	500	X				X					9-17-10	10:25

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Thorsten Meinus	9-17-10	16:55	Victor Ayala	9/17/10	16:55
Victor Ayala	9/21/10	17:00	Casey Fox	9-21-10	9:45 AM

ANALYSIS REQUEST

Method	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 Nitrate/Nitrite/NO3-N	TKN SM 4500 NORG C	Chloride EPA 300	Total Dissolved Solids SM 2540 C MOD	Turn Around Time
								X	X	X	X	
								X	X	X	X	
								X	X	X	X	
								X	X	X	X	

Remarks: TDS + CI WEP
 542 546067695
 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 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Victor Ayala
 D & H Petroleum and Environmental
 1221 Tower Trail
 P. O. Box 17969
 El Paso, TX, 79907

Report Date: October 21, 2010

Work Order: 10092712



DP: 126
Project Location: Del Norte Dairy, 12560 Stern Drive, Mesquite, NM
Project Name: Daybreak Dairy
Project Number: 334247

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
245892	126-4	water	2010-09-21	14:10	2010-09-23
245893	126-5	water	2010-09-21	14:45	2010-09-23
245894	126-7	water	2010-09-21	15:35	2010-09-23
245895	126-9	water	2010-09-22	08:00	2010-09-23
245896	126-12	water	2010-09-22	10:15	2010-09-23
245897	126-13	water	2010-09-22	08:50	2010-09-23
245898	Lagoon	water	2010-09-22	08:40	2010-09-23

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 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Daybreak Dairy were received by TraceAnalysis, Inc. on 2010-09-23 and assigned to work order 10092712. Samples for work order 10092712 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	63896	2010-10-06 at 23:35	74477	2010-10-06 at 23:35
Nitrate and Nitrite as N	SM 4500-NO3 E	63989	2010-10-21 at 08:00	74591	2010-10-21 at 08:00
TDS	SM 2540C	63465	2010-09-28 at 16:20	73969	2010-09-28 at 16:20
TKN	SM 4500-NH3 B,C	63578	2010-10-05 at 13:11	74150	2010-10-06 at 13:51

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 10092712 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: 245892 - 126-4

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63896 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		542	mg/L	50	2.50

Sample: 245892 - 126-4

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		67.0	mg/L	100	0.100

Sample: 245892 - 126-4

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 Sample Preparation: 2010-09-28 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2460	mg/L	1	5.00

Sample: 245892 - 126-4

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 Sample Preparation: 2010-10-05 Prepared By: AH

continued . . .

sample 245892 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245893 - 126-5

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
 Prep Batch: 63896 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		504	mg/L	50	2.50

Sample: 245893 - 126-5

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
 Prep Batch: 63989 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		73.0	mg/L	500	0.100

Sample: 245893 - 126-5

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
 Prep Batch: 63465 Sample Preparation: 2010-09-28 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2240	mg/L	1	5.00

Sample: 245893 - 126-5

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245894 - 126-7

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63896 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		700	mg/L	50	2.50

Sample: 245894 - 126-7

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		82.0	mg/L	100	0.100

Sample: 245894 - 126-7

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 Sample Preparation: 2010-09-28 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2800	mg/L	1	5.00

Sample: 245894 - 126-7

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245895 - 126-9

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63896 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1110	mg/L	50	2.50

Sample: 245895 - 126-9

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		<10.0	mg/L	100	0.100

Sample: 245895 - 126-9

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 Sample Preparation: 2010-09-28 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3320	mg/L	1	5.00

Sample: 245895 - 126-9

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245896 - 126-12

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63896 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		446	mg/L	50	2.50

Sample: 245896 - 126-12

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		42.0	mg/L	50	0.100

Sample: 245896 - 126-12

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 Sample Preparation: 2010-09-28 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2430	mg/L	1	5.00

Sample: 245896 - 126-12

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245897 - 126-13

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63896 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		750	mg/L	50	2.50

Sample: 245897 - 126-13

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		76.0	mg/L	100	0.100

Sample: 245897 - 126-13

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 Sample Preparation: 2010-09-28 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2850	mg/L	1	5.00

Sample: 245897 - 126-13

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245898 - Lagoon

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63896 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1060	mg/L	50	2.50

Sample: 245898 - Lagoon

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		177	mg/L	625	0.100

Sample: 245898 - Lagoon

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 Sample Preparation: 2010-09-28 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		4320	mg/L	1	5.00

Sample: 245898 - Lagoon

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		199	mg/L	1	10.0

Method Blank (1) QC Batch: 73969

QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
Prep Batch: 63465 QC Preparation: 2010-09-28 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74150

QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 QC Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74477

QC Batch: 74477 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63896 QC Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74591

QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
 Prep Batch: 63989 QC Preparation: 2010-10-21 Prepared By: CB

Parameter	Flag	MDL		Units	RL
		Result			
Nitrate and Nitrite as N		<0.00846		mg/L	0.1

Duplicates (1) Duplicated Sample: 245898

QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
 Prep Batch: 63465 QC Preparation: 2010-09-28 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	4340	4320	mg/L	1	0	10

Laboratory Control Spike (LCS-1)

QC Batch: 73969 Date Analyzed: 2010-09-28 Analyzed By: MD
 Prep Batch: 63465 QC Preparation: 2010-09-28 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	972	mg/L	1	1000	<5.00	97	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	957	mg/L	1	1000	<5.00	96	90 - 110	2	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: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
 Prep Batch: 63578 QC Preparation: 2010-10-05 Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	43.7	mg/L	1	50.0	<2.05	87	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	45.5	mg/L	1	50.0	<2.05	91	84.1 - 114	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: 74477
Prep Batch: 63896

Date Analyzed: 2010-10-06
QC Preparation: 2010-10-06

Analyzed By: JR
Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.2	mg/L	1	25.0	<0.500	97	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.2	mg/L	1	25.0	<0.500	97	90 - 110	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: 245919

QC Batch: 74150
Prep Batch: 63578

Date Analyzed: 2010-10-06
QC Preparation: 2010-10-05

Analyzed By: AH
Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	52.5	mg/L	1	50.0	<2.05	105	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	53.3	mg/L	1	50.0	<2.05	107	50.7 - 127	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: 245896

QC Batch: 74477
Prep Batch: 63896

Date Analyzed: 2010-10-06
QC Preparation: 2010-10-06

Analyzed By: JR
Prepared By: JR

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1880	mg/L	55.6	1390	446	103	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1870	mg/L	55.6	1390	446	102	90 - 110	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: 245898

QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 QC Preparation: 2010-10-21 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	¹ 286	mg/L	625	0.200	177	54500	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	277	mg/L	625	0.200	177	50000	80 - 120	3	20

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

Standard (ICV-1)

QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.51	90	85 - 115	2010-10-06

Standard (CCV-1)

QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH

¹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

8707 Aberdeen, Ste. 9
Lubbock, TX 79424
Tel (806) 794-1298
Fax (806) 794-1298

TraceAnalysis, Inc.

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

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

Project Name:
Daybreak Dairy
Project Location (including state):
Del Norte Dairy, P.O. Box 10, Mesquite, NM 88048
Project #:
334247

Sampler Signature: *[Signature]*

Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		
			WATER	AIR	SLUDGE		HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
128-4	1	500ml	X				X					9/24/10	2:10 P
128-4	1	500ml	X				X					9/24/10	2:10 P
128-5	1	500ml	X				X					9/24/10	2:45 P
128-5	1	500ml	X				X					9/24/10	2:45 P
128-7	1	500ml	X				X					9/24/10	3:30 P
128-7	1	500ml	X				X					9/24/10	3:30 P
128-9	1	500ml	X				X					9/24/10	9:00
128-9	1	500ml	X				X					9/24/10	8:00
128-12	1	500ml	X				X					9/24/10	10:15
128-12	1	500ml	X				X					9/24/10	10:15
128-13	1	500ml	X				X					9/24/10	8:50
128-13	1	500ml	X				X					9/24/10	8:50
128-13	1	500ml	X				X					9/24/10	8:40
128-13	1	500ml	X				X					9/24/10	8:40

Relinquished By: <i>[Signature]</i>	Date: 9/24/10	Time: 1700
Relinquished By: <i>[Signature]</i>	Date: 9/23/10	Time: 16:50
Received By: <i>[Signature]</i>	Date: 9/23/10	Time: 16:50

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 6010B/2007	Nitrates/Nitrite EPA 353.5 modified	Total Kjeldahl Nitrogen SM 4600 NORG C	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Turn Around Time	Hold

Remarks: *CI. TOS in ER*
MT
9/22
Dry Weight Basis Required
TRRP Report Required

Carry In
LS 460107M
19

9-25-10 9:50 5.0
9-25-10 9:25-10



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 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Victor Ayala
 D & H Petroleum and Environmental
 1221 Tower Trail
 P. O. Box 17969
 El Paso, TX, 79907

Report Date: October 12, 2010

Work Order: 10092324



DP: 624
Project Location: 13950 Stern Dr., Mesquite, NM
Project Name: Dominguez Dairy #1
Project Number: 334244

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
245586	624-01	water	2010-09-21	09:16	2010-09-20
245587	624-02	water	2010-09-20	16:40	2010-09-20
245588	624-04	water	2010-09-21	10:10	2010-09-20
245589	624-05	water	2010-09-21	11:30	2010-09-20
245590	624-06	water	2010-09-21	08:20	2010-09-20
245591	624-07	water	2010-09-21	13:00	2010-09-20
245592	624-08	water	2010-09-21	12:05	2010-09-20
245593	Lagoon 624	water	2010-09-21	11:00	2010-09-20

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

This report consists of a total of 20 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Dominguez Dairy #1 were received by TraceAnalysis, Inc. on 2010-09-20 and assigned to work order 10092324. Samples for work order 10092324 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	63625	2010-10-05 at 20:04	74145	2010-10-05 at 20:04
Chloride (IC)	E 300.0	63762	2010-10-05 at 04:30	74315	2010-10-05 at 04:30
Nitrate and Nitrite as N	SM 4500-NO3 E	63582	2010-10-05 at 13:47	74104	2010-10-05 at 13:50
TDS	SM 2540C	63325	2010-09-23 at 15:01	73816	2010-09-23 at 15:01
TDS	SM 2540C	63393	2010-09-24 at 11:34	73895	2010-09-24 at 11:34
TKN	SM 4500-NH3 B,C	63517	2010-10-01 at 14:33	74071	2010-10-04 at 11:20
TKN	SM 4500-NH3 B,C	63536	2010-10-04 at 09:42	74058	2010-10-04 at 09:43

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 10092324 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: 245586 - 624-01

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1260	mg/L	50	2.50

Sample: 245586 - 624-01

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		8.20	mg/L	25	0.100

Sample: 245586 - 624-01

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 Sample Preparation: 2010-09-23 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3780	mg/L	1	5.00

Sample: 245586 - 624-01

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 Sample Preparation: 2010-10-01 Prepared By: AH

continued . . .

sample 245586 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245587 - 624-02

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1300	mg/L	50	2.50

Sample: 245587 - 624-02

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		19.6	mg/L	25	0.100

Sample: 245587 - 624-02

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 Sample Preparation: 2010-09-23 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		4130	mg/L	1	5.00

Sample: 245587 - 624-02

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 Sample Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245588 - 624-04

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		758	mg/L	50	2.50

Sample: 245588 - 624-04

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		6.01	mg/L	25	0.100

Sample: 245588 - 624-04

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 Sample Preparation: 2010-09-23 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3750	mg/L	1	5.00

Sample: 245588 - 624-04

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245589 - 624-05

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		449	mg/L	50	2.50

Sample: 245589 - 624-05

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		11.9	mg/L	25	0.100

Sample: 245589 - 624-05

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 Sample Preparation: 2010-09-24 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2300	mg/L	1	5.00

Sample: 245589 - 624-05

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245590 - 624-06

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1060	mg/L	50	2.50

Sample: 245590 - 624-06

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		26.7	mg/L	50	0.100

Sample: 245590 - 624-06

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 Sample Preparation: 2010-09-24 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3270	mg/L	1	5.00

Sample: 245590 - 624-06

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245591 - 624-07

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		531	mg/L	50	2.50

Sample: 245591 - 624-07

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		20.5	mg/L	25	0.100

Sample: 245591 - 624-07

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 Sample Preparation: 2010-09-24 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2200	mg/L	1	5.00

Sample: 245591 - 624-07

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245592 - 624-08

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		197	mg/L	50	2.50

Sample: 245592 - 624-08

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		<2.50	mg/L	25	0.100

Sample: 245592 - 624-08

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 Sample Preparation: 2010-09-24 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1200	mg/L	1	5.00

Sample: 245592 - 624-08

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245593 - Lagoon 624

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		486	mg/L	50	2.50

Sample: 245593 - Lagoon 624

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		2.90	mg/L	25	0.100

Sample: 245593 - Lagoon 624

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 Sample Preparation: 2010-09-24 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		5140	mg/L	1	5.00

Sample: 245593 - Lagoon 624

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		240	mg/L	1	10.0

Method Blank (1) QC Batch: 73816

QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 QC Preparation: 2010-09-23 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 73895

QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 QC Preparation: 2010-09-24 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74058

QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 QC Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74071

QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 QC Preparation: 2010-10-01 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74104

QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 QC Preparation: 2010-10-05 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		0.0150	mg/L	0.1

Method Blank (1) QC Batch: 74145

QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 QC Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74315

QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 QC Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Duplicates (1) Duplicated Sample: 245604

QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 QC Preparation: 2010-09-23 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	8320	8380	mg/L	1	1	10

Duplicates (1) Duplicated Sample: 245578

QC Batch: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 QC Preparation: 2010-09-24 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	8380	8650	mg/L	1	3	10

Laboratory Control Spike (LCS-1)

QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 QC Preparation: 2010-09-23 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	963	mg/L	1	1000	<5.00	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	953	mg/L	1	1000	<5.00	95	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: 73895 Date Analyzed: 2010-09-24 Analyzed By: MD
Prep Batch: 63393 QC Preparation: 2010-09-24 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	986	mg/L	1	1000	<5.00	99	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	954	mg/L	1	1000	<5.00	95	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: 74058	Date Analyzed: 2010-10-04	Analyzed By: AH
Prep Batch: 63536	QC Preparation: 2010-10-04	Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	45.4	mg/L	1	50.0	<2.05	91	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	43.7	mg/L	1	50.0	<2.05	87	84.1 - 114	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: 74071	Date Analyzed: 2010-10-04	Analyzed By: AH
Prep Batch: 63517	QC Preparation: 2010-10-01	Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	50.4	mg/L	1	50.0	<2.05	101	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	51.2	mg/L	1	50.0	<2.05	102	84.1 - 114	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: 74145	Date Analyzed: 2010-10-05	Analyzed By: JR
Prep Batch: 63625	QC Preparation: 2010-10-05	Prepared By: JR

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.0	mg/L	1	25.0	<0.500	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: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 QC Preparation: 2010-10-05 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	25.2	mg/L	1	25.0	<0.500	101	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	25.2	mg/L	1	25.0	<0.500	101	90 - 110	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: 245597

QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 QC Preparation: 2010-10-04 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	56.7	mg/L	1	50.0	12.7	88	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	58.7	mg/L	1	50.0	12.7	92	50.7 - 127	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: 245362

QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63517 QC Preparation: 2010-10-01 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	44.1	mg/L	1	50.0	<2.05	88	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	47.9	mg/L	1	50.0	<2.05	96	50.7 - 127	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: 245595

QC Batch: 74104 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63582 QC Preparation: 2010-10-05 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	92.4	mg/L	100	0.200	92.2	100	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	92.4	mg/L	100	0.200	92.2	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: 245361

QC Batch: 74145 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63625 QC Preparation: 2010-10-05 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1890	mg/L	55.6	1390	441	104	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1900	mg/L	55.6	1390	441	105	90 - 110	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: 245599

QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 QC Preparation: 2010-10-05 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1840	mg/L	55.6	1390	369	106	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1840	mg/L	55.6	1390	369	106	90 - 110	0	20

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

Standard (ICV-1)

QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.35	107	85 - 115	2010-10-04

Standard (CCV-1)

QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.70	94	85 - 115	2010-10-04

Standard (ICV-1)

QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.12	102	85 - 115	2010-10-04

Standard (CCV-1)

QC Batch: 74071 Date Analyzed: 2010-10-04 Analyzed By: AH

Report Date: October 12, 2010
334244

Work Order: 10092324
Dominguez Dairy #1

Page Number: 20 of 20
13950 Stern Dr., Mesquite, NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.3	97	90 - 110	2010-10-05

Standard (CCV-2)

QC Batch: 74315

Date Analyzed: 2010-10-05

Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.3	97	90 - 110	2010-10-05



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 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Victor Ayala
 D & H Petroleum and Environmental
 1221 Tower Trail
 P. O. Box 17969
 El Paso, TX, 79907

Report Date: November 18, 2010

Work Order: 10100509



DP: 42
Project Location: 13600 Stern Drive, Mesquite, NM
Project Name: Dominguez Dairy #2
Project Number: 334245

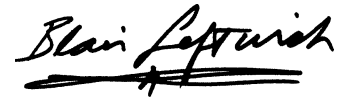
Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
246590	42-2	water	2010-10-01	11:25	2010-10-01
246591	42-3	water	2010-10-01	09:40	2010-10-01
246592	42-6	water	2010-10-01	10:55	2010-10-01
246593	42-7	water	2010-10-01	10:22	2010-10-01
246594	42-8	water	2010-10-01	11:47	2010-10-01
246595	42-9	water	2010-09-28	14:45	2010-10-01
246596	42-10	water	2010-10-01	08:55	2010-10-01
246597	42-11	water	2010-10-01	07:40	2010-10-01

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
246598	42-12	water	2010-10-01	08:20	2010-10-01
246599	42-13	water	2010-09-29	14:25	2010-10-01
246600	Lagoon 42	water	2010-10-01	07:50	2010-10-01

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

This report consists of a total of 29 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Dominguez Dairy #2 were received by TraceAnalysis, Inc. on 2010-10-01 and assigned to work order 10100509. Samples for work order 10100509 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	63936	2010-10-12 at 20:57	74516	2010-10-12 at 20:57
Chloride (IC)	E 300.0	63937	2010-10-15 at 18:23	74517	2010-10-15 at 18:23
Chloride (IC)	E 300.0	63938	2010-10-15 at 22:36	74518	2010-10-15 at 22:36
Chloride (IC)	E 300.0	63980	2010-10-19 at 22:24	74579	2010-10-19 at 22:24
Nitrate and Nitrite as N	SM 4500-NO3 E	64255	2010-11-01 at 12:07	74904	2010-11-01 at 12:07
Nitrate and Nitrite as N	SM 4500-NO3 E	64256	2010-11-01 at 12:09	74905	2010-11-01 at 12:10
TDS	SM 2540C	63626	2010-10-04 at 15:41	74146	2010-10-04 at 15:41
TDS	SM 2540C	63627	2010-10-05 at 14:20	74147	2010-10-05 at 14:20
TDS	SM 2540C	63628	2010-10-06 at 14:45	74148	2010-10-06 at 14:45
TDS	SM 2540C	63658	2010-10-07 at 12:12	74239	2010-10-08 at 14:04
TDS	SM 2540C	63850	2010-10-11 at 16:30	74420	2010-10-11 at 16:30
TKN	SM 4500-NH3 B,C	63697	2010-10-08 at 12:03	74238	2010-10-08 at 12:05
TKN	SM 4500-NH3 B,C	63698	2010-10-08 at 12:10	74240	2010-10-08 at 12:11

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 10100509 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: 246590 - 42-2

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74516 Date Analyzed: 2010-10-12 Analyzed By: JR
Prep Batch: 63936 Sample Preparation: 2010-10-12 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		355	mg/L	50	2.50

Sample: 246590 - 42-2

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74904 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64255 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		21.0	mg/L	25	0.100

Sample: 246590 - 42-2

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 Sample Preparation: 2010-10-07 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2010	mg/L	1	5.00

Sample: 246590 - 42-2

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74238 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63697 Sample Preparation: 2010-10-08 Prepared By: AH

continued . . .

sample 246590 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246591 - 42-3

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74516 Date Analyzed: 2010-10-12 Analyzed By: JR
Prep Batch: 63936 Sample Preparation: 2010-10-12 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1090	mg/L	50	2.50

Sample: 246591 - 42-3

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74904 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64255 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		63.0	mg/L	100	0.100

Sample: 246591 - 42-3

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 Sample Preparation: 2010-10-07 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3640	mg/L	1	5.00

Sample: 246591 - 42-3

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74238 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63697 Sample Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246592 - 42-6

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74516 Date Analyzed: 2010-10-12 Analyzed By: JR
Prep Batch: 63936 Sample Preparation: 2010-10-12 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		497	mg/L	50	2.50

Sample: 246592 - 42-6

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74904 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64255 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		113	mg/L	500	0.100

Sample: 246592 - 42-6

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 Sample Preparation: 2010-10-07 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2660	mg/L	1	5.00

Sample: 246592 - 42-6

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74238 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63697 Sample Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246593 - 42-7

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74516 Date Analyzed: 2010-10-12 Analyzed By: JR
Prep Batch: 63936 Sample Preparation: 2010-10-12 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1390	mg/L	50	2.50

Sample: 246593 - 42-7

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74904 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64255 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		92.0	mg/L	100	0.100

Sample: 246593 - 42-7

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 Sample Preparation: 2010-10-07 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		4260	mg/L	1	5.00

Sample: 246593 - 42-7

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74238 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63697 Sample Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		40.0	mg/L	1	10.0

Sample: 246594 - 42-8

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 Sample Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		288	mg/L	50	2.50

Sample: 246594 - 42-8

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74904 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64255 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		49.0	mg/L	50	0.100

Sample: 246594 - 42-8

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74420 Date Analyzed: 2010-10-11 Analyzed By: MD
Prep Batch: 63850 Sample Preparation: 2010-10-11 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2160	mg/L	1	5.00

Sample: 246594 - 42-8

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 Sample Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246595 - 42-9

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74516 Date Analyzed: 2010-10-12 Analyzed By: JR
Prep Batch: 63936 Sample Preparation: 2010-10-12 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		591	mg/L	50	2.50

Sample: 246595 - 42-9

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74904 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64255 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		38.0	mg/L	50	0.100

Sample: 246595 - 42-9

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74146 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63626 Sample Preparation: 2010-10-04 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2760	mg/L	1	5.00

Sample: 246595 - 42-9

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 Sample Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246596 - 42-10

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74516 Date Analyzed: 2010-10-12 Analyzed By: JR
Prep Batch: 63936 Sample Preparation: 2010-10-12 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		360	mg/L	50	2.50

Sample: 246596 - 42-10

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		0.220	mg/L	1	0.100

Sample: 246596 - 42-10

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74148 Date Analyzed: 2010-10-06 Analyzed By: MD
Prep Batch: 63628 Sample Preparation: 2010-10-06 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1450	mg/L	1	5.00

Sample: 246596 - 42-10

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 Sample Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246597 - 42-11

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74517 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63937 Sample Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		300	mg/L	50	2.50

Sample: 246597 - 42-11

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		0.620	mg/L	2	0.100

Sample: 246597 - 42-11

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74148 Date Analyzed: 2010-10-06 Analyzed By: MD
Prep Batch: 63628 Sample Preparation: 2010-10-06 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1250	mg/L	1	5.00

Sample: 246597 - 42-11

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 Sample Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246598 - 42-12

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74517 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63937 Sample Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		312	mg/L	50	2.50

Sample: 246598 - 42-12

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		4.50	mg/L	25	0.100

Sample: 246598 - 42-12

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74148 Date Analyzed: 2010-10-06 Analyzed By: MD
Prep Batch: 63628 Sample Preparation: 2010-10-06 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1280	mg/L	1	5.00

Sample: 246598 - 42-12

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 Sample Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246599 - 42-13

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74517 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63937 Sample Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		833	mg/L	50	2.50

Sample: 246599 - 42-13

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		44.5	mg/L	50	0.100

Sample: 246599 - 42-13

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74147 Date Analyzed: 2010-10-05 Analyzed By: MD
Prep Batch: 63627 Sample Preparation: 2010-10-05 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3360	mg/L	1	5.00

Sample: 246599 - 42-13

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 Sample Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246600 - Lagoon 42

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74579 Date Analyzed: 2010-10-19 Analyzed By: JR
Prep Batch: 63980 Sample Preparation: 2010-10-19 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3620	mg/L	500	2.50

Sample: 246600 - Lagoon 42

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N	¹	626	mg/L	625	0.100

Sample: 246600 - Lagoon 42

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74148 Date Analyzed: 2010-10-06 Analyzed By: MD
Prep Batch: 63628 Sample Preparation: 2010-10-06 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		17700	mg/L	1	5.00

¹Result of sample high. This may be due to natural color of sample. •

Sample: 246600 - Lagoon 42

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 Sample Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		167	mg/L	1	10.0

Method Blank (1) QC Batch: 74146

QC Batch: 74146 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63626 QC Preparation: 2010-10-04 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74147

QC Batch: 74147 Date Analyzed: 2010-10-05 Analyzed By: MD
Prep Batch: 63627 QC Preparation: 2010-10-05 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74148

QC Batch: 74148 Date Analyzed: 2010-10-06 Analyzed By: MD
Prep Batch: 63628 QC Preparation: 2010-10-06 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74238

QC Batch: 74238 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63697 QC Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74239

QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 QC Preparation: 2010-10-07 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74240

QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 QC Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74420

QC Batch: 74420 Date Analyzed: 2010-10-11 Analyzed By: MD
Prep Batch: 63850 QC Preparation: 2010-10-11 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74516

QC Batch: 74516 Date Analyzed: 2010-10-12 Analyzed By: JR
Prep Batch: 63936 QC Preparation: 2010-10-12 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74517

QC Batch: 74517 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63937 QC Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74518

QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 QC Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74579

QC Batch: 74579 Date Analyzed: 2010-10-19 Analyzed By: JR
Prep Batch: 63980 QC Preparation: 2010-10-19 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74904

QC Batch: 74904 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64255 QC Preparation: 2010-11-01 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Method Blank (1) QC Batch: 74905

QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 QC Preparation: 2010-11-01 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Duplicates (1) Duplicated Sample: 246257

QC Batch: 74146 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63626 QC Preparation: 2010-10-04 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	2400	2500	mg/L	1	4	10

Duplicates (1) Duplicated Sample: 246422

QC Batch: 74147 Date Analyzed: 2010-10-05 Analyzed By: MD
Prep Batch: 63627 QC Preparation: 2010-10-05 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	1300	1220	mg/L	1	6	10

Duplicates (1) Duplicated Sample: 246600

QC Batch: 74148 Date Analyzed: 2010-10-06 Analyzed By: MD
Prep Batch: 63628 QC Preparation: 2010-10-06 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	17400	17700	mg/L	1	2	10

Duplicates (1) Duplicated Sample: 246593

QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 QC Preparation: 2010-10-07 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	4360	4260	mg/L	1	2	10

Duplicates (1) Duplicated Sample: 247283

QC Batch: 74420 Date Analyzed: 2010-10-11 Analyzed By: MD
Prep Batch: 63850 QC Preparation: 2010-10-11 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	16100	16400	mg/L	1	2	10

Laboratory Control Spike (LCS-1)

QC Batch: 74146 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63626 QC Preparation: 2010-10-04 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	1010	mg/L	1	1000	<5.00	101	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	977	mg/L	1	1000	<5.00	98	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: 74147 Date Analyzed: 2010-10-05 Analyzed By: MD
Prep Batch: 63627 QC Preparation: 2010-10-05 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.2	mg/L	1	25.0	<0.500	97	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.2	mg/L	1	25.0	<0.500	97	90 - 110	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch: 74517
Prep Batch: 63937

Date Analyzed: 2010-10-15
QC Preparation: 2010-10-15

Analyzed By: JR
Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.4	mg/L	1	25.0	<0.500	98	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.4	mg/L	1	25.0	<0.500	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: 74518
Prep Batch: 63938

Date Analyzed: 2010-10-15
QC Preparation: 2010-10-15

Analyzed By: JR
Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.6	mg/L	1	25.0	<0.500	98	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.7	mg/L	1	25.0	<0.500	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: 74579
Prep Batch: 63980

Date Analyzed: 2010-10-19
QC Preparation: 2010-10-19

Analyzed By: JR
Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	25.3	mg/L	1	25.0	<0.500	101	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	25.2	mg/L	1	25.0	<0.500	101	90 - 110	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: 246593

QC Batch: 74238 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63697 QC Preparation: 2010-10-08 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	71.8	mg/L	1	50.0	40	64	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	73.5	mg/L	1	50.0	40	67	50.7 - 127	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: 246604

QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 QC Preparation: 2010-10-08 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	39.3	mg/L	1	50.0	<2.05	79	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	43.7	mg/L	1	50.0	<2.05	87	50.7 - 127	11	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: 246415

QC Batch: 74516 Date Analyzed: 2010-10-12 Analyzed By: JR
Prep Batch: 63936 QC Preparation: 2010-10-12 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1870	mg/L	55.6	1390	442	103	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1870	mg/L	55.6	1390	442	103	90 - 110	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: 246597

QC Batch: 74517 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63937 QC Preparation: 2010-10-15 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1710	mg/L	55.6	1390	300	101	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1710	mg/L	55.6	1390	300	101	90 - 110	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: 246608

QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 QC Preparation: 2010-10-15 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1830	mg/L	55.6	1390	387	104	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1830	mg/L	55.6	1390	387	104	90 - 110	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: 246626

QC Batch: 74579 Date Analyzed: 2010-10-19 Analyzed By: JR
Prep Batch: 63980 QC Preparation: 2010-10-19 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1540	mg/L	55.6	1390	107	103	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1540	mg/L	55.6	1390	107	103	90 - 110	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: 246595

QC Batch: 74904 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64255 QC Preparation: 2010-11-01 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N ²	38.1	mg/L	50	0.200	38	50	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N ³	38.3	mg/L	50	0.200	38	150	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: 246606

QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 QC Preparation: 2010-11-01 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	27.2	mg/L	50	0.200	27	100	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N ⁴	27.3	mg/L	50	0.200	27	150	80 - 120	0	20

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

²Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

³Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

⁴Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Standard (CCV-1)

QC Batch: 74905

Date Analyzed: 2010-11-01

Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.197	98	85 - 115	2010-11-01

Project Name: **Dominguez Dairy #2**
 Project #: **334245**
 Project Location (including state): **Dominguez Dairy #2, P.O. Box 21, Mesquite, NM 88048**
 Dominguez Dairy #2, 13600 Stern Drive, Mesquite, NM
 Sampler 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
590		1	500ml	X				X				10/1/10 11:25	
591		1	500ml	X				X				11:25	
592		1	500ml	X				X				9:40	
593		1	500ml	X				X				9:40	
594		1	500ml	X				X				10:55	
595		1	500ml	X				X				10:55	
596		1	500ml	X				X				10:22	
597		1	500ml	X				X				10:22	
598		1	500ml	X				X				11:47	
599		1	500ml	X				X				10/1/10 11:47	
600		1	500ml	X				X				10/28/10 14:45	
601		1	500ml	X				X				9/29/10 14:45	
602		1	500ml	X				X				10/1/10 8:55	
603		1	500ml	X				X				10/1/10 8:55	
604		1	500ml	X				X				10/1/10 7:40	
605		1	500ml	X				X				10/1/10 7:40	

ANALYSIS REQUEST

MTBE 8021B/602
 BTEX 8021B/602
 TPH 418.1 / TX1005
 TX 1005 Extended (C35)
 PAH 8270C
 PAH 8270 (Low Level Analysis)
 Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7
 Nitrates/Nitrite EPA 353.5 modified
 Total Kjeldahl Nitrogen SM 4500 NORG C
 Chloride EPA 300.0
 Total Dissolved Solids SM 2540 C MOD

Turn Around Time

Hold

Relinquished By: **10/1/10 16:50** Date: **10/1/10 16:50** Time: **10:5-10 10:00**
 Relinquished By: **10/1/10 12:00** Date: **10/1/10 12:00** Time: **10:5-10 10:00**

Received By: **10/1/10 16:50** Date: **10/1/10 16:50** Time: **10:5-10 10:00**

Received at Laboratory By: **10/1/10 16:50** Date: **10/1/10 16:50** Time: **10:5-10 10:00**

Lab Use Only
 Intact Y/N
 Headspace Y/N
 Temp **23.6**
 Log-in Review

Remarks: **Cl, Tps w/ EOP**

Dry Weight Basis Required
 TRRP Report Required

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

Project Name: Dominguez Dairy #2
 Project #: 334245
 Project Location (including state): Dominguez Dairy #2, P.O. Box 21, Mesquite, NM 88048
 Project Location (including state): Dominguez Dairy #2, 13600 Stern Drive, Mesquite, NM
 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
24298	42-12	1	500ml	X				X						10/1/10	8:20
	42-12	1	500ml	X				X						10/1/10	8:20
599	42-13	1	500ml	X				X						9/29/10	14:25
	42-13	1	500ml	X				X						9/29/10	15:25
600	Lagoon 42	1	500ml	X				X						10/1/10	07:50
	Lagoon 42	1	500ml	X				X						10/1/10	07:50

ANALYSIS REQUEST	MTBE 8021B/602	BTEX 8021B/602	TPH 418.1 / TX1005	TX 1005 Extended (C35)	PAH 8270C	PAH 8270 (Low Level Analysis)	Total Metals Ag As BA Cd Cr Pb Se Hg 6010B/200.7	Nitrates/Nitrite EPA 353.5 modified	Total Kjeldahl Nitrogen SM 4500 NORG C	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD	Turn Around Time	Hold
								X		X			
								X		X			
								X		X			

Relinquished By: [Signature] Date: 10/1/10 Time: 6:50
 Relinquished By: [Signature] Date: 10/1/10 Time: 10:50
 Relinquished By: [Signature] Date: 10/6/10 Time: 12:00

Received By: [Signature] Date: 10-1-10 Time: 10:50
 Received at Laboratory By: [Signature] Date: 10-5-10 Time: 10:00

Remarks: Cl, TDS in EP

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 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
LELAP-02003
Kansas E-10317
LELAP-02002

Analytical and Quality Control Report

Victor Ayala
D & H Petroleum and Environmental
1221 Tower Trail
P. O. Box 17969
El Paso, TX, 79907

Report Date: November 18, 2010

Work Order: 10100511



DP: 692
Project Location: 1025 East O'Hara, Anthony, NM
Project Name: Del Oro Dairy
Project Number: 334255

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
246602	692-01	water	2010-10-01	12:55	2010-10-01
246603	692-04	water	2010-09-28	17:00	2010-10-01
246604	692-05	water	2010-10-01	15:15	2010-10-01
246605	692-06	water	2010-10-01	14:45	2010-10-01
246606	692-07	water	2010-10-01	14:10	2010-10-01
246607	692-08	water	2010-10-01	13:35	2010-10-01
246608	692-09	water	2010-10-01	15:50	2010-10-01
246609	Lagoon 692	water	2010-10-01	16:15	2010-10-01

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

This report consists of a total of 22 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

A handwritten signature in black ink that reads "Blair Leftwich". The signature is written in a cursive style and is positioned above a horizontal line.

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Del Oro Dairy were received by TraceAnalysis, Inc. on 2010-10-01 and assigned to work order 10100511. Samples for work order 10100511 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	63937	2010-10-15 at 18:23	74517	2010-10-15 at 18:23
Chloride (IC)	E 300.0	63938	2010-10-15 at 22:36	74518	2010-10-15 at 22:36
Nitrate and Nitrite as N	SM 4500-NO3 E	64256	2010-11-01 at 12:09	74905	2010-11-01 at 12:10
Nitrate and Nitrite as N	SM 4500-NO3 E	64257	2010-11-01 at 12:12	74906	2010-11-01 at 12:12
TDS	SM 2540C	63626	2010-10-04 at 15:41	74146	2010-10-04 at 15:41
TDS	SM 2540C	63658	2010-10-07 at 12:12	74239	2010-10-08 at 14:04
TDS	SM 2540C	63849	2010-10-08 at 14:25	74419	2010-10-08 at 14:25
TKN	SM 4500-NH3 B,C	63698	2010-10-08 at 12:10	74240	2010-10-08 at 12:11
TKN	SM 4500-NH3 B,C	63728	2010-10-11 at 09:27	74285	2010-10-11 at 11:17

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 10100511 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: 246602 - 692-01

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74517 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63937 Sample Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1060	mg/L	50	2.50

Sample: 246602 - 692-01

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		222	mg/L	500	0.100

Sample: 246602 - 692-01

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 Sample Preparation: 2010-10-07 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		4640	mg/L	1	5.00

Sample: 246602 - 692-01

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 Sample Preparation: 2010-10-08 Prepared By: AH

continued . . .

sample 246602 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246603 - 692-04

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 Sample Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		802	mg/L	50	2.50

Sample: 246603 - 692-04

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		67.0	mg/L	100	0.100

Sample: 246603 - 692-04

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74146 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63626 Sample Preparation: 2010-10-04 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3060	mg/L	1	5.00

Sample: 246603 - 692-04

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 Sample Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246604 - 692-05

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 Sample Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		420	mg/L	50	2.50

Sample: 246604 - 692-05

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		3.10	mg/L	25	0.100

Sample: 246604 - 692-05

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 Sample Preparation: 2010-10-07 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1430	mg/L	1	5.00

Sample: 246604 - 692-05

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 Sample Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246605 - 692-06

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 Sample Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		373	mg/L	50	2.50

Sample: 246605 - 692-06

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		11.0	mg/L	25	0.100

Sample: 246605 - 692-06

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 Sample Preparation: 2010-10-07 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1490	mg/L	1	5.00

Sample: 246605 - 692-06

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74285 Date Analyzed: 2010-10-11 Analyzed By: AH
Prep Batch: 63728 Sample Preparation: 2010-10-11 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246606 - 692-07

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 Sample Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		617	mg/L	50	2.50

Sample: 246606 - 692-07

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		27.0	mg/L	50	0.100

Sample: 246606 - 692-07

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 Sample Preparation: 2010-10-07 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2300	mg/L	1	5.00

Sample: 246606 - 692-07

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74285 Date Analyzed: 2010-10-11 Analyzed By: AH
Prep Batch: 63728 Sample Preparation: 2010-10-11 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246607 - 692-08

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 Sample Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		386	mg/L	50	2.50

Sample: 246607 - 692-08

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74906 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64257 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		5.70	mg/L	25	0.100

Sample: 246607 - 692-08

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 Sample Preparation: 2010-10-07 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1390	mg/L	1	5.00

Sample: 246607 - 692-08

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74285 Date Analyzed: 2010-10-11 Analyzed By: AH
Prep Batch: 63728 Sample Preparation: 2010-10-11 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246608 - 692-09

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 Sample Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		387	mg/L	50	2.50

Sample: 246608 - 692-09

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74906 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64257 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		15.0	mg/L	25	0.100

Sample: 246608 - 692-09

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 Sample Preparation: 2010-10-07 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1480	mg/L	1	5.00

Sample: 246608 - 692-09

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74285 Date Analyzed: 2010-10-11 Analyzed By: AH
Prep Batch: 63728 Sample Preparation: 2010-10-11 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246609 - Lagoon 692

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 Sample Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4010	mg/L	100	2.50

Sample: 246609 - Lagoon 692

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74906 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64257 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N	¹	<62.5	mg/L	625	0.100

Sample: 246609 - Lagoon 692

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74419 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63849 Sample Preparation: 2010-10-08 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		22300	mg/L	1	5.00

¹Result of sample high. This may be due to natural color of sample. •

Sample: 246609 - Lagoon 692

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74285 Date Analyzed: 2010-10-11 Analyzed By: AH
Prep Batch: 63728 Sample Preparation: 2010-10-11 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		181	mg/L	1	10.0

Method Blank (1) QC Batch: 74146

QC Batch: 74146 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63626 QC Preparation: 2010-10-04 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74239

QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 QC Preparation: 2010-10-07 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74240

QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 QC Preparation: 2010-10-08 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74285

QC Batch: 74285 Date Analyzed: 2010-10-11 Analyzed By: AH
Prep Batch: 63728 QC Preparation: 2010-10-11 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74419

QC Batch: 74419 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63849 QC Preparation: 2010-10-08 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74517

QC Batch: 74517 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63937 QC Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74518

QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 QC Preparation: 2010-10-15 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74905

QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 QC Preparation: 2010-11-01 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Method Blank (1) QC Batch: 74906

QC Batch: 74906 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64257 QC Preparation: 2010-11-01 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Duplicates (1) Duplicated Sample: 246257

QC Batch: 74146 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63626 QC Preparation: 2010-10-04 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	2400	2500	mg/L	1	4	10

Duplicates (1) Duplicated Sample: 246593

QC Batch: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63658 QC Preparation: 2010-10-07 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	4360	4260	mg/L	1	2	10

Duplicates (1) Duplicated Sample: 246609

QC Batch: 74419 Date Analyzed: 2010-10-08 Analyzed By: MD
Prep Batch: 63849 QC Preparation: 2010-10-08 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	22300	22300	mg/L	1	0	10

Laboratory Control Spike (LCS-1)

QC Batch: 74146 Date Analyzed: 2010-10-04 Analyzed By: MD
 Prep Batch: 63626 QC Preparation: 2010-10-04 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	1010	mg/L	1	1000	<5.00	101	90 - 110

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

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	977	mg/L	1	1000	<5.00	98	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: 74239 Date Analyzed: 2010-10-08 Analyzed By: MD
 Prep Batch: 63658 QC Preparation: 2010-10-07 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	982	mg/L	1	1000	<5.00	98	90 - 110

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

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	985	mg/L	1	1000	<5.00	98	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: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
 Prep Batch: 63698 QC Preparation: 2010-10-08 Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	49.0	mg/L	1	50.0	<2.05	98	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	42.7	mg/L	1	50.0	<2.05	85	84.1 - 114	14	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: 74285 Date Analyzed: 2010-10-11 Analyzed By: AH
 Prep Batch: 63728 QC Preparation: 2010-10-11 Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	47.0	mg/L	1	50.0	<2.05	94	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	49.1	mg/L	1	50.0	<2.05	98	84.1 - 114	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: 74419 Date Analyzed: 2010-10-08 Analyzed By: MD
 Prep Batch: 63849 QC Preparation: 2010-10-08 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	1010	mg/L	1	1000	<5.00	101	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	990	mg/L	1	1000	<5.00	99	90 - 110	2	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: 74517 Date Analyzed: 2010-10-15 Analyzed By: JR
 Prep Batch: 63937 QC Preparation: 2010-10-15 Prepared By: JR

continued ...

control spikes continued ...

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.4	mg/L	1	25.0	<0.500	98	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.4	mg/L	1	25.0	<0.500	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: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 QC Preparation: 2010-10-15 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.6	mg/L	1	25.0	<0.500	98	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.7	mg/L	1	25.0	<0.500	99	90 - 110	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: 246604

QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH
Prep Batch: 63698 QC Preparation: 2010-10-08 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	39.3	mg/L	1	50.0	<2.05	79	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	43.7	mg/L	1	50.0	<2.05	87	50.7 - 127	11	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: 246605

QC Batch: 74285 Date Analyzed: 2010-10-11 Analyzed By: AH
Prep Batch: 63728 QC Preparation: 2010-10-11 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	43.5	mg/L	1	50.0	2.66	82	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	45.5	mg/L	1	50.0	2.66	86	50.7 - 127	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: 246597

QC Batch: 74517 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63937 QC Preparation: 2010-10-15 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1710	mg/L	55.6	1390	300	101	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1710	mg/L	55.6	1390	300	101	90 - 110	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: 246608

QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR
Prep Batch: 63938 QC Preparation: 2010-10-15 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1830	mg/L	55.6	1390	387	104	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1830	mg/L	55.6	1390	387	104	90 - 110	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: 246606

QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64256 QC Preparation: 2010-11-01 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	27.2	mg/L	50	0.200	27	100	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	² 27.3	mg/L	50	0.200	27	150	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: 247172

QC Batch: 74906 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64257 QC Preparation: 2010-11-01 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	³ 13.0	mg/L	25	0.200	13	0	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	13.0	mg/L	25	0.200	13	0	80 - 120	0	20

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

Standard (ICV-1)

QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.56	91	85 - 115	2010-10-08

Standard (CCV-1)

QC Batch: 74240 Date Analyzed: 2010-10-08 Analyzed By: AH

²Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

³Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.5	98	90 - 110	2010-10-15

Standard (CCV-2)

QC Batch: 74518 Date Analyzed: 2010-10-15 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.6	98	90 - 110	2010-10-15

Standard (ICV-1)

QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.195	98	85 - 115	2010-11-01

Standard (CCV-1)

QC Batch: 74905 Date Analyzed: 2010-11-01 Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.197	98	85 - 115	2010-11-01

Standard (ICV-1)

QC Batch: 74906 Date Analyzed: 2010-11-01 Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.195	98	85 - 115	2010-11-01

Standard (CCV-1)

QC Batch: 74906 Date Analyzed: 2010-11-01 Analyzed By: CB

Report Date: November 18, 2010
334255

Work Order: 10100511
Del Oro Dairy

Page Number: 22 of 22
1025 East O'Hara, Anthony, NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.193	96	85 - 115	2010-11-01

8701 Aberdeen, Ste. 9
Lubbock, TX 79424
Tel (806) 794-1296
Fax (806) 794-1298

TraceAnalysis, Inc.

Company Name:
D&H Petroleum & Environmental Services

Address: (Street, City, Zip)
1221 Tower Trail Ln, El Paso TX 79907

Contact Person:
Victor Ayala

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

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

Page 1 of 2
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
LAB Order ID # 10100511

Project Name:
Del Oro Dairy
Sampler Signature:

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

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				Sampling		TIME	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE		DATE
692-01		1	500 ml	X				X				X		10/1/10 11:55	
692-01		1	500ml	X				X				X		12:55	
692-02		1	500ml	X				X				X			
692-02		1	500ml	X				X				X			
692-04		1	500ml	X				X				X		9/28/10 17:00	
692-04		1	500ml	X				X				X		9/29/10 17:00	
692-05		1	500ml	X				X				X		10/1/10 15:15	
692-05		1	500ml	X				X				X		10/1/10 15:15	
692-06		1	500ml	X				X				X		14:45	
692-06		1	500ml	X				X				X		14:45	
692-07		1	500ml	X				X				X		14:00	
692-07		1	500ml	X				X				X		14:00	
692-08		1	500ml	X				X				X		15:35	
692-08		1	500ml	X				X				X		15:35	
692-09		1	500ml	X				X				X		15:50	
692-09		1	500ml	X				X				X		15:50	

ANALYSIS REQUEST

MTBE 8021B/602	
BTEX 8021B/602	
TPH 418.1 / TX1005	
TX 1005 Extended (C35)	
PAH 8270C	
PAH 8270 (Low Level Analysis)	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	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: Cl, TDS in EP

Relinquished By: Thorsten Meinus Date: 10/1/10 Time: 16:50

Received By: Ken Kelly Date: 10/1/10 Time: 16:50

Relinquished By: Ken Kelly Date: 10/4/10 Time: 17:00

Received at Laboratory By: Carol Fox Date: 10-5-10 Time: 10:00

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

Dry Weight Basis Required Y/N/A
TRRP Report Required Y/N/A



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 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
LELAP-02003
Kansas E-10317
LELAP-02002

Analytical and Quality Control Report

Victor Ayala
D & H Petroleum and Environmental
1221 Tower Trail
P. O. Box 17969
El Paso, TX, 79907

Report Date: October 21, 2010

Work Order: 10092326



DP: 177
Project Location: 14310 Stern Dr., Mesquite, NM
Project Name: Gonzalez Dairy
Project Number: 334246

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
245597	177-01	water	2010-09-20	14:56	2010-09-21
245598	177-02	water	2010-09-20	14:35	2010-09-21
245599	177-03	water	2010-09-21	09:40	2010-09-21
245600	177-04	water	2010-09-20	14:35	2010-09-21
245601	177-05	water	2010-09-20	13:20	2010-09-21
245602	177-06	water	2010-09-20	11:20	2010-09-21
245603	Lagoon 2 Mid West	water	2010-09-21	10:30	2010-09-21
245604	Lagoon 3 Mid East	water	2010-09-21	10:40	2010-09-21

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
245605	Lagoon 4 South West	water	2010-09-21	11:35	2010-09-21
245606	Lagoon 5 South East	water	2010-09-21	11:17	2010-09-21

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

This report consists of a total of 24 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Gonzalez Dairy were received by TraceAnalysis, Inc. on 2010-09-21 and assigned to work order 10092326. Samples for work order 10092326 were received intact at a temperature of 5.0 C.

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

Test	Method	Prep Batch	Prep Date	QC Batch	Analysis Date
Chloride (IC)	E 300.0	63762	2010-10-05 at 04:30	74315	2010-10-05 at 04:30
Chloride (IC)	E 300.0	63763	2010-10-05 at 12:17	74316	2010-10-05 at 12:17
Chloride (IC)	E 300.0	63934	2010-10-12 at 00:38	74514	2010-10-12 at 00:38
Nitrate and Nitrite as N	SM 4500-NO3 E	63605	2010-10-05 at 17:14	74119	2010-10-05 at 17:14
Nitrate and Nitrite as N	SM 4500-NO3 E	63989	2010-10-21 at 08:00	74591	2010-10-21 at 08:00
TDS	SM 2540C	63285	2010-09-22 at 14:36	73767	2010-09-22 at 14:36
TDS	SM 2540C	63325	2010-09-23 at 15:01	73816	2010-09-23 at 15:01
TKN	SM 4500-NH3 B,C	63536	2010-10-04 at 09:42	74058	2010-10-04 at 09:43
TKN	SM 4500-NH3 B,C	63537	2010-10-04 at 09:46	74059	2010-10-04 at 09:48

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 10092326 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: 245597 - 177-01

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74316 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63763 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1120	mg/L	50	2.50

Sample: 245597 - 177-01

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63605 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		17.6	mg/L	25	0.100

Sample: 245597 - 177-01

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73767 Date Analyzed: 2010-09-22 Analyzed By: MD
Prep Batch: 63285 Sample Preparation: 2010-09-22 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3480	mg/L	1	5.00

Sample: 245597 - 177-01

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 Sample Preparation: 2010-10-04 Prepared By: AH

continued . . .

sample 245597 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		12.7	mg/L	1	10.0

Sample: 245598 - 177-02

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74316 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63763 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		964	mg/L	50	2.50

Sample: 245598 - 177-02

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63605 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		78.0	mg/L	100	0.100

Sample: 245598 - 177-02

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73767 Date Analyzed: 2010-09-22 Analyzed By: MD
Prep Batch: 63285 Sample Preparation: 2010-09-22 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3630	mg/L	1	5.00

Sample: 245598 - 177-02

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63537 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245599 - 177-03

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		369	mg/L	50	2.50

Sample: 245599 - 177-03

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63605 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		3.21	mg/L	25	0.100

Sample: 245599 - 177-03

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73767 Date Analyzed: 2010-09-22 Analyzed By: MD
Prep Batch: 63285 Sample Preparation: 2010-09-22 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1520	mg/L	1	5.00

Sample: 245599 - 177-03

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63537 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245600 - 177-04

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74316 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63763 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1180	mg/L	50	2.50

Sample: 245600 - 177-04

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63605 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		4.83	mg/L	25	0.100

Sample: 245600 - 177-04

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 Sample Preparation: 2010-09-23 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		4030	mg/L	1	5.00

Sample: 245600 - 177-04

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63537 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245601 - 177-05

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74316 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63763 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1050	mg/L	50	2.50

Sample: 245601 - 177-05

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63605 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		7.39	mg/L	25	0.100

Sample: 245601 - 177-05

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 Sample Preparation: 2010-09-23 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3500	mg/L	1	5.00

Sample: 245601 - 177-05

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63537 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245602 - 177-06

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74316 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63763 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		890	mg/L	50	2.50

Sample: 245602 - 177-06

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63605 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		<2.50	mg/L	25	0.100

Sample: 245602 - 177-06

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 Sample Preparation: 2010-09-23 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2880	mg/L	1	5.00

Sample: 245602 - 177-06

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH
 Prep Batch: 63537 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245603 - Lagoon 2 Mid West

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
 Prep Batch: 63762 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		624	mg/L	50	2.50

Sample: 245603 - Lagoon 2 Mid West

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
 Prep Batch: 63605 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N	¹	<2.50	mg/L	25	0.100

Sample: 245603 - Lagoon 2 Mid West

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
 Prep Batch: 63325 Sample Preparation: 2010-09-23 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3760	mg/L	1	5.00

¹Dilution necessary due to natural color of sample •

Sample: 245603 - Lagoon 2 Mid West

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH
 Prep Batch: 63537 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		140	mg/L	1	10.0

Sample: 245604 - Lagoon 3 Mid East

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 74316 Date Analyzed: 2010-10-05 Analyzed By: JR
 Prep Batch: 63763 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1570	mg/L	50	2.50

Sample: 245604 - Lagoon 3 Mid East

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
 Prep Batch: 63605 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N	²	<2.50	mg/L	25	0.100

Sample: 245604 - Lagoon 3 Mid East

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
 Prep Batch: 63325 Sample Preparation: 2010-09-23 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		8380	mg/L	1	5.00

²Dilution necessary due to natural color of sample. •

Sample: 245604 - Lagoon 3 Mid East

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63537 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		170	mg/L	1	10.0

Sample: 245605 - Lagoon 4 South West

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74514 Date Analyzed: 2010-10-12 Analyzed By: JR
Prep Batch: 63934 Sample Preparation: 2010-10-12 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4810	mg/L	500	2.50

Sample: 245605 - Lagoon 4 South West

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63605 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		<2.50	mg/L	25	0.100

Sample: 245605 - Lagoon 4 South West

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 Sample Preparation: 2010-09-23 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		25800	mg/L	1	5.00

Sample: 245605 - Lagoon 4 South West

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63537 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		313	mg/L	1	10.0

Sample: 245606 - Lagoon 5 South East

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 Sample Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		506	mg/L	50	2.50

Sample: 245606 - Lagoon 5 South East

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		<2.50	mg/L	25	0.100

Sample: 245606 - Lagoon 5 South East

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 Sample Preparation: 2010-09-23 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3940	mg/L	1	5.00

Sample: 245606 - Lagoon 5 South East

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63537 Sample Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		42.7	mg/L	1	10.0

Method Blank (1) QC Batch: 73767

QC Batch: 73767 Date Analyzed: 2010-09-22 Analyzed By: MD
Prep Batch: 63285 QC Preparation: 2010-09-22 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 73816

QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 QC Preparation: 2010-09-23 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74058

QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 QC Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74059

QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63537 QC Preparation: 2010-10-04 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74119

QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63605 QC Preparation: 2010-10-05 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		0.0150	mg/L	0.1

Method Blank (1) QC Batch: 74315

QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 QC Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74316

QC Batch: 74316 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63763 QC Preparation: 2010-10-05 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74514

QC Batch: 74514 Date Analyzed: 2010-10-12 Analyzed By: JR
Prep Batch: 63934 QC Preparation: 2010-10-12 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74591

QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 QC Preparation: 2010-10-21 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Duplicates (1) Duplicated Sample: 245401

QC Batch: 73767 Date Analyzed: 2010-09-22 Analyzed By: MD
Prep Batch: 63285 QC Preparation: 2010-09-22 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	16300	16500	mg/L	1	1	10

Duplicates (1) Duplicated Sample: 245604

QC Batch: 73816 Date Analyzed: 2010-09-23 Analyzed By: MD
Prep Batch: 63325 QC Preparation: 2010-09-23 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	8320	8380	mg/L	1	1	10

Laboratory Control Spike (LCS-1)

QC Batch: 73767 Date Analyzed: 2010-09-22 Analyzed By: MD
Prep Batch: 63285 QC Preparation: 2010-09-22 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	977	mg/L	1	1000	<5.00	98	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	998	mg/L	1	1000	<5.00	100	90 - 110	2	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: 73816
Prep Batch: 63325

Date Analyzed: 2010-09-23
QC Preparation: 2010-09-23

Analyzed By: MD
Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	963	mg/L	1	1000	<5.00	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	953	mg/L	1	1000	<5.00	95	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: 74058
Prep Batch: 63536

Date Analyzed: 2010-10-04
QC Preparation: 2010-10-04

Analyzed By: AH
Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	45.4	mg/L	1	50.0	<2.05	91	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	43.7	mg/L	1	50.0	<2.05	87	84.1 - 114	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: 74059
Prep Batch: 63537

Date Analyzed: 2010-10-04
QC Preparation: 2010-10-04

Analyzed By: AH
Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	51.8	mg/L	1	50.0	<2.05	104	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	53.5	mg/L	1	50.0	<2.05	107	84.1 - 114	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: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 QC Preparation: 2010-10-05 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	25.2	mg/L	1	25.0	<0.500	101	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	25.2	mg/L	1	25.0	<0.500	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: 74316 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63763 QC Preparation: 2010-10-05 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.7	mg/L	1	25.0	<0.500	99	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.7	mg/L	1	25.0	<0.500	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: 74514 Date Analyzed: 2010-10-12 Analyzed By: JR
Prep Batch: 63934 QC Preparation: 2010-10-12 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	25.0	mg/L	1	25.0	<0.500	100	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.7	mg/L	1	25.0	<0.500	99	90 - 110	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: 245597

QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63536 QC Preparation: 2010-10-04 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	56.7	mg/L	1	50.0	12.7	88	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	58.7	mg/L	1	50.0	12.7	92	50.7 - 127	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: 245606

QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH
Prep Batch: 63537 QC Preparation: 2010-10-04 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	104	mg/L	1	50.0	42.7	123	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	102	mg/L	1	50.0	42.7	119	50.7 - 127	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: 245605

QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB
Prep Batch: 63605 QC Preparation: 2010-10-05 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	<0.212	mg/L	25	0.200	<0.212	0	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	<0.212	mg/L	25	0.200	<0.212	0	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: 245599

QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63762 QC Preparation: 2010-10-05 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1840	mg/L	55.6	1390	369	106	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1840	mg/L	55.6	1390	369	106	90 - 110	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: 246631

QC Batch: 74316 Date Analyzed: 2010-10-05 Analyzed By: JR
Prep Batch: 63763 QC Preparation: 2010-10-05 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	14400	mg/L	556	13900	538	100	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	14400	mg/L	556	13900	538	100	90 - 110	0	20

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

³Dilution necessary due to natural color of sample. Matrix spike/matrix interference. Use LCS and LCSD to show that analysis is under control.

⁴Dilution necessary due to natural color of sample. Matrix spike/matrix interference. Use LCS and LCSD to show that analysis is under control.

Matrix Spike (MS-1) Spiked Sample: 246404

QC Batch: 74514 Date Analyzed: 2010-10-12 Analyzed By: JR
Prep Batch: 63934 QC Preparation: 2010-10-12 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	2030	mg/L	555.6	1390	544	107	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	2030	mg/L	555.6	1390	544	107	90 - 110	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: 245898

QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 QC Preparation: 2010-10-21 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	⁵ 286	mg/L	625	0.200	177	54500	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	277	mg/L	625	0.200	177	50000	80 - 120	3	20

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

Standard (ICV-1)

QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.35	107	85 - 115	2010-10-04

Standard (CCV-1)

QC Batch: 74058 Date Analyzed: 2010-10-04 Analyzed By: AH

⁵Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.70	94	85 - 115	2010-10-04

Standard (ICV-1)

QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.07	101	85 - 115	2010-10-04

Standard (CCV-1)

QC Batch: 74059 Date Analyzed: 2010-10-04 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.56	91	85 - 115	2010-10-04

Standard (ICV-1)

QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.206	103	85 - 115	2010-10-05

Standard (CCV-1)

QC Batch: 74119 Date Analyzed: 2010-10-05 Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.206	103	85 - 115	2010-10-05

Standard (CCV-1)

QC Batch: 74315 Date Analyzed: 2010-10-05 Analyzed By: JR

TraceAnalysis, Inc.

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

Company Name: 10092326 Phone #: 10092326 Cell #: 10092326

D&H Petroleum & Environmental Services
 Address: (Street, City, Zip)
 1221 Tower Trail Ln, El Paso TX 79907
 Contact Person: vaiala@dhpump.com
 Victor Ayala

Project Name: Gonzalez Dairy Inc.
 Project #: 334246
 Invoice to (if different from above):
 Gonzalez Dairy, PO Box 199, Mesquite, NM 88048

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

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				SAMPLING		TIME	Turn Around Time	
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE			TIME
15597	177-01	1	500 ml	X				X						9-20-10	14:54	
598	177-01	1	500ml	X				X						9-20-10	14:54	
599	177-02	1	500ml	X				X						9-20-10	14:35	
600	177-02	1	500ml	X				X						9-20-10	14:35	
601	177-03	1	500ml	X				X						9-20-10	9:40	
602	177-03	1	500ml	X				X						9-20-10	9:40	
603	177-04	1	500ml	X				X						9-20-10	2:35	
	177-04	1	500ml	X				X						9-20-10	2:35	
	177-05	1	500ml	X				X						9-20-10	13:20	
	177-05	1	500ml	X				X						9-20-10	13:20	
	177-06	1	500ml	X				X						9-20-10	11:20	
	177-06	1	500ml	X				X						9-20-10	11:20	
	177-07	1	500ml	X				X						9-20-10	10:30	
	177-07	1	500ml	X				X						9-20-10	10:30	
603	177-07	1	500ml	X				X						9-20-10	10:30	
	177-07	1	500ml	X				X						9-20-10	10:30	

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 *NO₂ + NO₃ N*

TKN SM 4500 NORG C

Chloride EPA 300

Total Dissolved Solids SM 2540 C MOD

Lab Use Only

Intact N

Headspace Y N

Temp 45°C

Log-in Review

Remarks: cl, TPS w-50
46067699
0x121 0x5 4004720
 Dry Weight Basis Required 691
 TRRP Report Required IL 606314

Relinquished By: [Signature] Date: 9-20-10 Time: 16:45

Received By: [Signature] Date: 9/20/10 Time: 16:45

Relinquished By: [Signature] Date: 9/22/10 Time: 17:00

Received at Laboratory By: [Signature] Date: 9-23-10 Time: 9:20

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: Dill Petroleum + Environmental Phone #: 915-851-8
 Address: 1721 Tower Trail Ln El Paso TX 79907 (Street, City, Zip) Fax #:
 Contact Person: Victor Ayala E-mail:
 Invoice to: (If different from above)

Project #: 354246 Project Name: Gonzalez Dairy Inc.
 Project Location (including state): Gonzalez Dairy 14310 Steve St. 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
245604	Lagoon 3 Mid East	1	500ml	X				X					9-21-10	10:30
605	Lagoon 3 Mid East	1	500ml	X				X					9-21-10	10:30
606	Lagoon 4 South West	1	500ml	X				X					11:35	
	Lagoon 4 South West	1	500ml	X				X					11:35	
	Lagoon 5 South East	1	500ml	X				X					11:17	
	Lagoon 5 South East	1	500ml	X				X					11:17	

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, F1, S04, NO3, NO2, Alkalinity
<input type="checkbox"/>	Na, Ca, Mg, K, TDS, EC
<input checked="" type="checkbox"/>	TKN
<input checked="" type="checkbox"/>	Ammonia - NO2 - ON
<input checked="" type="checkbox"/>	TKN
<input checked="" type="checkbox"/>	TKN
<input type="checkbox"/>	Turn Around Time if different from standard

Relinquished by: [Signature] Company: PAE Date: 9/21/10 Time: 16:45
 Received by: [Signature] Company: TraceAnalysis Date: 9/21/10 Time: 10:30
 INST PAE OBS 4 COR 5
 Relinquished by: [Signature] Company: PAE Date: 9/21/10 Time: 16:45
 Received by: [Signature] Company: TraceAnalysis Date: 9/21/10 Time: 10:30
 INST PAE OBS 4.0 COR 6.3
 Relinquished by: [Signature] Company: PAE Date: 9/21/10 Time: 16:45
 Received by: [Signature] Company: TraceAnalysis Date: 9/21/10 Time: 10:30
 INST PAE OBS 4.0 COR 6.3

REMARKS: CL TPS in BP

LAB USE ONLY
 Intact
 N
 Headspace Y / N / NA
 Log-in-Review

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

Carrier # 460676996
[Signature] PAE 460676996

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



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 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Victor Ayala
 D & H Petroleum and Environmental
 1221 Tower Trail
 P. O. Box 17969
 El Paso, TX, 79907

Report Date: October 21, 2010

Work Order: 10092713



DP: 70
 Project Location: 13090 Stern Dr., Mesquite, NM
 Project Name: Mountain View Dairy
 Project Number: 334253

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
245919	70-01	water	2010-09-22	09:36	2010-09-23
245920	70-02	water	2010-09-22	10:53	2010-09-23
245921	Lagoon	water	2010-09-22	10:25	2010-09-23

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 12 pages and shall not be reproduced except in its entirety, without written approval of

TraceAnalysis, Inc.



Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Mountain View Dairy were received by TraceAnalysis, Inc. on 2010-09-23 and assigned to work order 10092713. Samples for work order 10092713 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	63893	2010-10-06 at 19:22	74473	2010-10-06 at 19:22
Nitrate and Nitrite as N	SM 4500-NO3 E	63990	2010-10-21 at 08:11	74592	2010-10-21 at 08:12
TDS	SM 2540C	63445	2010-09-27 at 14:28	73936	2010-09-27 at 14:28
TKN	SM 4500-NH3 B,C	63578	2010-10-05 at 13:11	74150	2010-10-06 at 13:51
TKN	SM 4500-NH3 B,C	63579	2010-10-05 at 13:12	74153	2010-10-06 at 14:02

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 10092713 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: 245919 - 70-01

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63893 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		617	mg/L	50	2.50

Sample: 245919 - 70-01

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63990 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		63.4	mg/L	100	0.100

Sample: 245919 - 70-01

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73936 Date Analyzed: 2010-09-27 Analyzed By: MD
Prep Batch: 63445 Sample Preparation: 2010-09-27 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2610	mg/L	1	5.00

Sample: 245919 - 70-01

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 Sample Preparation: 2010-10-05 Prepared By: AH

continued . . .

sample 245919 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		12.3	mg/L	1	10.0

Sample: 245920 - 70-02

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63893 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		829	mg/L	50	2.50

Sample: 245920 - 70-02

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63990 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		106	mg/L	500	0.100

Sample: 245920 - 70-02

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73936 Date Analyzed: 2010-09-27 Analyzed By: MD
Prep Batch: 63445 Sample Preparation: 2010-09-27 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3070	mg/L	1	5.00

Sample: 245920 - 70-02

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 245921 - Lagoon

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63893 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1340	mg/L	100	2.50

Sample: 245921 - Lagoon

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63990 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		230	mg/L	625	0.100

Sample: 245921 - Lagoon

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73936 Date Analyzed: 2010-09-27 Analyzed By: MD
Prep Batch: 63445 Sample Preparation: 2010-09-27 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		7150	mg/L	1	5.00

Sample: 245921 - Lagoon

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		125	mg/L	1	10.0

Method Blank (1) QC Batch: 73936

QC Batch: 73936 Date Analyzed: 2010-09-27 Analyzed By: MD
Prep Batch: 63445 QC Preparation: 2010-09-27 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74150

QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 QC Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74153

QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 QC Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74473

QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63893 QC Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74592

QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63990 QC Preparation: 2010-10-21 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Duplicates (1) Duplicated Sample: 245921

QC Batch: 73936 Date Analyzed: 2010-09-27 Analyzed By: MD
Prep Batch: 63445 QC Preparation: 2010-09-27 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	6850	7150	mg/L	1	4	10

Laboratory Control Spike (LCS-1)

QC Batch: 73936 Date Analyzed: 2010-09-27 Analyzed By: MD
Prep Batch: 63445 QC Preparation: 2010-09-27 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	979	mg/L	1	1000	<5.00	98	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	980	mg/L	1	1000	<5.00	98	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: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 QC Preparation: 2010-10-05 Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	43.7	mg/L	1	50.0	<2.05	87	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	45.5	mg/L	1	50.0	<2.05	91	84.1 - 114	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: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 QC Preparation: 2010-10-05 Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	42.7	mg/L	1	50.0	<2.05	85	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	44.1	mg/L	1	50.0	<2.05	88	84.1 - 114	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: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63893 QC Preparation: 2010-10-06 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110	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: 245919

QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 QC Preparation: 2010-10-05 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	52.5	mg/L	1	50.0	<2.05	105	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	53.3	mg/L	1	50.0	<2.05	107	50.7 - 127	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: 246040

QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63579 QC Preparation: 2010-10-05 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	32.8	mg/L	1	50.0	<2.05	66	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	35.1	mg/L	1	50.0	<2.05	70	50.7 - 127	7	20

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

Matrix Spike (MS-1) Spiked Sample: 246296

QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63893 QC Preparation: 2010-10-06 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	14700	mg/L	556	13900	1110	98	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	14700	mg/L	556	13900	1110	98	90 - 110	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: 246039

QC Batch: 74592 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63990 QC Preparation: 2010-10-21 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	97.0	mg/L	100	0.200	95	1000	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	97.0	mg/L	100	0.200	95	48500	80 - 120	0	20

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

Standard (ICV-1)

QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.51	90	85 - 115	2010-10-06

Standard (CCV-1)

QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.84	97	85 - 115	2010-10-06

Standard (ICV-1)

QC Batch: 74153 Date Analyzed: 2010-10-06 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.62	92	85 - 115	2010-10-06

¹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Standard (CCV-1)

QC Batch: 74153

Date Analyzed: 2010-10-06

Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.56	91	85 - 115	2010-10-06

Standard (CCV-1)

QC Batch: 74473

Date Analyzed: 2010-10-06

Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.2	97	90 - 110	2010-10-06

Standard (CCV-2)

QC Batch: 74473

Date Analyzed: 2010-10-06

Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.0	96	90 - 110	2010-10-06

Standard (ICV-1)

QC Batch: 74592

Date Analyzed: 2010-10-21

Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.212	106	85 - 115	2010-10-21

Standard (CCV-1)

QC Batch: 74592

Date Analyzed: 2010-10-21

Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.207	104	85 - 115	2010-10-21

6701 Aberdeen, Sub. 9
Lubbock, TX 79424
Tel (806) 794-1286
Fax (806) 794-1298

TraceAnalysis, Inc.

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

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

Company Name: **D&H Petroleum & Environmental Services**
Phone #: 915-859-8150

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

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 #: **334253**

Project Name: **Mountain View Dairy**

Sampler Signature: *[Signature]*

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

Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				Sampling		
			WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
70-01	1	500ml	X				X					9/23/10	9:26
70-01	1	500ml	X				X					9/23/10	9:36
70-02	1	500ml	X				X					9/23/10	10:53
70-02	1	500ml	X				X					9/23/10	10:53
70-03	1	500ml	X				X					9/23/10	11:50
70-03	1	500ml	X				X					9/23/10	11:50
Lagoon 1	1	Seeed	X				X					9/23/10	10:25
Lagoon 2	1	Seeed	X				X					9/23/10	10:25

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
<i>[Signature]</i>	9/23/10	16:45	<i>[Signature]</i>	9/23/10	16:45
<i>[Signature]</i>	9/23/10	17:00			

ANALYSIS REQUEST

Method	MTBE 8021B/802	BTEX 8021B/802	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/Nitrite EPA 353.5 modified	Total Kjeldahl Nitrogen SM 4500 NORG C	Chloride EPA 300.0	Total Dissolved Solids SM 2540 C MOD
						X	X	X	X	X	X
						X	X	X	X	X	X
						X	X	X	X	X	X
						X	X	X	X	X	X
						X	X	X	X	X	X

Remarks: **CI, TDS in EP**
MA
FCZ
 Dry Weight Basis Required
 TRRP Report Required

Raylan 9-25-10 9:50 *Covered In* 4-7/15.0 IR
 LS 46067702



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 888•588•3443 915•585•3443 FAX 915•585•4944
 5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
 E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
 LELAP-02003 LELAP-02002
 Kansas E-10317

Analytical and Quality Control Report

Victor Ayala
 D & H Petroleum and Environmental
 1221 Tower Trail
 P. O. Box 17969
 El Paso, TX, 79907

Report Date: October 26, 2010

Work Order: 10092710



DP: 70
 Project Location: Mesquite, NM
 Project Name: Northern LAA
 Project Number: 334253

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
245881	70/3	water	2010-09-22	11:50	2010-09-23

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 9 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Michael Abel

Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Northern LAA were received by TraceAnalysis, Inc. on 2010-09-23 and assigned to work order 10092710. Samples for work order 10092710 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	63893	2010-10-06 at 19:22	74473	2010-10-06 at 19:22
Nitrate and Nitrite as N	SM 4500-NO3 E	63989	2010-10-21 at 08:00	74591	2010-10-21 at 08:00
TDS	SM 2540C	63445	2010-09-27 at 14:28	73936	2010-09-27 at 14:28
TKN	SM 4500-NH3 B,C	63578	2010-10-05 at 13:11	74150	2010-10-06 at 13:51

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 10092710 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: 245881 - 70/3

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63893 Sample Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2940	mg/L	100	2.50

Sample: 245881 - 70/3

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		62.8	mg/L	500	0.100

Sample: 245881 - 70/3

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 73936 Date Analyzed: 2010-09-27 Analyzed By: MD
Prep Batch: 63445 Sample Preparation: 2010-09-27 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		7840	mg/L	1	5.00

Sample: 245881 - 70/3

Laboratory: Lubbock
Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 Sample Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Method Blank (1) QC Batch: 73936

QC Batch: 73936 Date Analyzed: 2010-09-27 Analyzed By: MD
Prep Batch: 63445 QC Preparation: 2010-09-27 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74150

QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 QC Preparation: 2010-10-05 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74473

QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR
Prep Batch: 63893 QC Preparation: 2010-10-06 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74591

QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 QC Preparation: 2010-10-21 Prepared By: CB

continued ...

method blank continued ...

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Duplicates (1) Duplicated Sample: 245921

QC Batch: 73936 Date Analyzed: 2010-09-27 Analyzed By: MD
Prep Batch: 63445 QC Preparation: 2010-09-27 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	6850	7150	mg/L	1	4	10

Laboratory Control Spike (LCS-1)

QC Batch: 73936 Date Analyzed: 2010-09-27 Analyzed By: MD
Prep Batch: 63445 QC Preparation: 2010-09-27 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	979	mg/L	1	1000	<5.00	98	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	980	mg/L	1	1000	<5.00	98	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: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63578 QC Preparation: 2010-10-05 Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	43.7	mg/L	1	50.0	<2.05	87	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	45.5	mg/L	1	50.0	<2.05	91	84.1 - 114	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: 74473
Prep Batch: 63893

Date Analyzed: 2010-10-06
QC Preparation: 2010-10-06

Analyzed By: JR
Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110	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: 245919

QC Batch: 74150
Prep Batch: 63578

Date Analyzed: 2010-10-06
QC Preparation: 2010-10-05

Analyzed By: AH
Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	52.5	mg/L	1	50.0	<2.05	105	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	53.3	mg/L	1	50.0	<2.05	107	50.7 - 127	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: 246296

QC Batch: 74473
Prep Batch: 63893

Date Analyzed: 2010-10-06
QC Preparation: 2010-10-06

Analyzed By: JR
Prepared By: JR

continued ...

matrix spikes continued ...

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	14700	mg/L	556	13900	1110	98	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	14700	mg/L	556	13900	1110	98	90 - 110	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: 245898

QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63989 QC Preparation: 2010-10-21 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	¹ 87.0	mg/L	625	38.0	53.7	88	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	84.2	mg/L	625	38.0	53.7	80	80 - 120	3	20

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

Standard (ICV-1)

QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.51	90	85 - 115	2010-10-06

Standard (CCV-1)

QC Batch: 74150 Date Analyzed: 2010-10-06 Analyzed By: AH

¹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.84	97	85 - 115	2010-10-06

Standard (CCV-1)

QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.2	97	90 - 110	2010-10-06

Standard (CCV-2)

QC Batch: 74473 Date Analyzed: 2010-10-06 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.0	96	90 - 110	2010-10-06

Standard (ICV-1)

QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.0609	0.0644	106	85 - 115	2010-10-21

Standard (CCV-1)

QC Batch: 74591 Date Analyzed: 2010-10-21 Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.0609	0.0640	105	85 - 115	2010-10-21

Trace Analysis, 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: D.H. Robinson & Environmental Phone #: 915 859 8150
Address: 121 Tower Trail Co El Paso (Street, City, Zip) Fax #:
Contact Person: Victor Ayala E-mail:

Invoice to:
(If different from above)
Project #:
Project Name: Northern LAR
Project Location (including state): Mesquite NH
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
845881	70-3	1	Sand	X				X					9/24/10	11:50
882	70-340-3	1		X				X					11:50	11:50
883	70-340-340	1		X				X					12:45	12:45
	86-340-340	1		X				X					13:43	13:43
	86-340-COL	1	Sand	X				X					9/24/10	13:43

ANALYSIS REQUEST (Circle or Specify Method No.)

MTBE 8021 / 602 / 8260 / 624	
BTEX 8021 / 602 / 8260 / 624	
TPH 418.1 / TX1005 / TX1005 Exl(C35)	
TPH 8015 GRO / DRO / TVHC	
PAH 8270 / 625	
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Semi Volatiles	
TCLP Volatiles	
TCMP 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, FI, SO ₄ , NO ₃ , NO ₂ , Alkalinity	
Na, Ca, Mg, K, TDS, EC	
Urethane / Nitrite	X
TKIN	X
Chloride	X
TDS	X

Turn Around Time if different from standard

REMARKS: Cl, TDS in ERP

LAB USE ONLY

Inact N
Headspace Y N NA

Log-in-Review

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

Carrier # Cherry Pa LS 46067702

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9
200 East Sunset Road, Suite E
5002 Basin Street, Suite A1
8808 Camp Bowie Blvd. West, Suite 180

Lubbock, Texas 79424 800•378•1296
El Paso, Texas 79922 888•588•3443
Midland, Texas 79703
Ft. Worth, Texas 76116

806•794•1296 FAX 806•794•1298
915•585•3443 FAX 915•585•4944
432•689•6301 FAX 432•689•6313
817•201•5260 FAX 817•560•4336

E-Mail: lab@traceanalysis.com

NOV 03 2010

Certifications

WBENC: 237019

HUB: 1752439743100-86536

DBE: VN 20657

NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX
LELAP-02003
Kansas E-10317

El Paso: T104704221-08-TX
LELAP-02002

Midland: T104704392-08-TX

Analytical and Quality Control Report

Victor Ayala
D & H Petroleum and Environmental
1221 Tower Trail
P. O. Box 17969
El Paso, TX, 79907

Report Date: November 3, 2010

Work Order: 10092911



DP: 167
Project Location: 1400 La Chuga Road, Mesquite, NM.
Project Name: River Valley Dairy, LLC
Project Number: 334248

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
246126	167-01	water	2010-09-27	10:35	2010-09-27
246127	167-01A	water	2010-09-22	14:03	2010-09-27
246128	167-02	water	2010-09-22	13:35	2010-09-27
246129	167-03	water	2010-09-22	15:45	2010-09-27
246130	167-05	water	2010-09-23	15:00	2010-09-27
246131	167-06	water	2010-09-22	14:50	2010-09-27
246132	167-07	water	2010-09-22	14:55	2010-09-27
246161	167-08	water	2010-09-23	12:50	2010-09-27
246162	167-09	water	2010-09-24	10:45	2010-09-27
246163	Lagoon-167	water	2010-09-27	11:15	2010-09-27

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

This report consists of a total of 25 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Notes:

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

Standard Flags

- U** - Not detected. The analyte is not detected above the SDL.
- J** - Estimated. The analyte is positively identified and the value is approximated between the SDL and MQL.
- B** - The sample contains less than ten times the concentration found in the method blank.
- JB** - The analyte is positively identified and the value is approximated between the SDL and MQL.
The sample contains less than ten times the concentration found in the method blank.
The result should be considered non-detect to the SDL.



Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Case Narrative

Samples for project River Valley Dairy, LLC were received by TraceAnalysis, Inc. on 2010-09-27 and assigned to work order 10092911. Samples for work order 10092911 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	63901	2010-10-07 at 22:34	74483	2010-10-07 at 22:34
Chloride (IC)	E 300.0	63932	2010-10-08 at 17:44	74512	2010-10-08 at 17:44
Nitrate and Nitrite as N	SM 4500-NO3 E	63991	2010-10-21 at 08:24	74593	2010-10-21 at 08:24
Nitrate and Nitrite as N	SM 4500-NO3 E	64252	2010-11-01 at 11:59	74901	2010-11-01 at 11:59
TDS	SM 2540C	63511	2010-09-29 at 10:35	74021	2010-09-29 at 10:35
TDS	SM 2540C	63513	2010-09-30 at 12:33	74022	2010-09-30 at 12:33
TDS	SM 2540C	63514	2010-09-30 at 16:15	74023	2010-09-30 at 16:15
TDS	SM 2540C	63623	2010-10-04 at 10:44	74143	2010-10-04 at 10:44
TKN	SM 4500-NH3 B,C	63613	2010-10-06 at 10:23	74154	2010-10-06 at 14:15
TKN	SM 4500-NH3 B,C	63614	2010-10-06 at 10:24	74180	2010-10-07 at 10:48

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 10092911 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: 246126 - 167-01

Laboratory: El Paso	Analytical Method: E 300.0	Prep Method: N/A
Analysis: Chloride (IC)	Date Analyzed: 2010-10-07	Analyzed By: JR
QC Batch: 74483	Sample Preparation: 2010-10-07	Prepared By: JR
Prep Batch: 63901		

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		731	731	<25.0	mg/L	50	25.0	2.5	0.5

Sample: 246126 - 167-01

Laboratory: Lubbock	Analytical Method: SM 4500-NO3 E	Prep Method: N/A
Analysis: Nitrate and Nitrite as N	Date Analyzed: 2010-10-21	Analyzed By: CB
QC Batch: 74593	Sample Preparation:	Prepared By: CB
Prep Batch: 63991		

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate and Nitrite as N	J	1.55	<10.0	<0.846	mg/L	100	0.846	0.1	0.00846

Sample: 246126 - 167-01

Laboratory: El Paso	Analytical Method: SM 2540C	Prep Method: N/A
Analysis: TDS	Date Analyzed: 2010-09-30	Analyzed By: MD
QC Batch: 74023	Sample Preparation: 2010-09-30	Prepared By: MD
Prep Batch: 63514		

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		2540	2540	<5.00	mg/L	1	5.00	5	5

Sample: 246126 - 167-01

Laboratory: Lubbock	Analytical Method: SM 4500-NH3 B,C	Prep Method: N/A
Analysis: TKN	Date Analyzed: 2010-10-06	Analyzed By: AH
QC Batch: 74154	Sample Preparation: 2010-10-06	Prepared By: AH
Prep Batch: 63613		

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	J	9.94	<10.0	<2.05	mg/L	1	2.05	10	2.05

Sample: 246127 - 167-01A

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
 Prep Batch: 63901 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		1010	1010	<25.0	mg/L	50	25.0	2.5	0.5

Sample: 246127 - 167-01A

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
 Prep Batch: 63991 Sample Preparation: Prepared By: CB

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate and Nitrite as N	J	1.40	<10.0	<0.846	mg/L	100	0.846	0.1	0.00846

Sample: 246127 - 167-01A

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
 Prep Batch: 63511 Sample Preparation: 2010-09-29 Prepared By: MD

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		3470	3470	<5.00	mg/L	1	5.00	5	5

Sample: 246127 - 167-01A

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A

QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63613 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	J	3.36	<10.0	<2.05	mg/L	1	2.05	10	2.05

Sample: 246128 - 167-02

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63901 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		610	610	<25.0	mg/L	50	25.0	2.5	0.5

Sample: 246128 - 167-02

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63991 Sample Preparation: Prepared By: CB

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate and Nitrite as N	U	<0.846	<10.0	<0.846	mg/L	100	0.846	0.1	0.00846

Sample: 246128 - 167-02

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 Sample Preparation: 2010-09-29 Prepared By: MD

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		2100	2100	<5.00	mg/L	1	5.00	5	5

Sample: 246128 - 167-02

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
 Prep Batch: 63613 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
		Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	<2.05	<10.0	<2.05	mg/L	1	2.05	10	2.05

Sample: 246129 - 167-03

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
 Prep Batch: 63901 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
		Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		472	472	<25.0	mg/L	50	25.0	2.5	0.5

Sample: 246129 - 167-03

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
 Prep Batch: 63991 Sample Preparation: Prepared By: CB

Parameter	Flag	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
		Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate and Nitrite as N	J	9.19	<10.0	<0.846	mg/L	100	0.846	0.1	0.00846

Sample: 246129 - 167-03

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
 Prep Batch: 63511 Sample Preparation: 2010-09-29 Prepared By: MD

Parameter	Flag	SDL	MQL	Method	Units	Dilution	SDL	MQL	MDL
		Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		2120	2120	<5.00	mg/L	1	5.00	5	5

Sample: 246129 - 167-03

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
 Prep Batch: 63613 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
		Based	Based	Blank				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	<2.05	<10.0	<2.05	mg/L	1	2.05	10	2.05

Sample: 246130 - 167-05

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
 Prep Batch: 63901 Sample Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
		Based	Based	Blank				(Unadjusted)	(Unadjusted)
Chloride		758	758	<25.0	mg/L	50	25.0	2.5	0.5

Sample: 246130 - 167-05

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
 Prep Batch: 64252 Sample Preparation: Prepared By: CB

Parameter	Flag	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
		Based	Based	Blank				(Unadjusted)	(Unadjusted)
Nitrate and Nitrite as N		2.70	2.70	<0.212	mg/L	25	0.212	0.1	0.00846

Sample: 246130 - 167-05

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
 Prep Batch: 63511 Sample Preparation: 2010-09-29 Prepared By: MD

continued ...

sample 246130 continued ...

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		2820	2820	<5.00	mg/L	1	5.00	5	5

Sample: 246130 - 167-05

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
 Prep Batch: 63613 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	<2.05	<10.0	<2.05	mg/L	1	2.05	10	2.05

Sample: 246131 - 167-06

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
 Prep Batch: 63932 Sample Preparation: 2010-10-08 Prepared By: JR

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		655	655	<25.0	mg/L	50	25.0	2.5	0.5

Sample: 246131 - 167-06

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
 Prep Batch: 64252 Sample Preparation: Prepared By: CB

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate and Nitrite as N		19.8	19.8	<0.423	mg/L	50	0.423	0.1	0.00846

Sample: 246131 - 167-06

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
 Prep Batch: 63511 Sample Preparation: 2010-09-29 Prepared By: MD

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		2630	2630	<5.00	mg/L	1	5.00	5	5

Sample: 246131 - 167-06

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 74180 Date Analyzed: 2010-10-07 Analyzed By: AH
 Prep Batch: 63614 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	<2.05	<10.0	<2.05	mg/L	1	2.05	10	2.05

Sample: 246132 - 167-07

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
 Prep Batch: 63932 Sample Preparation: 2010-10-08 Prepared By: JR

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		268	268	<25.0	mg/L	50	25.0	2.5	0.5

Sample: 246132 - 167-07

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
 Prep Batch: 64252 Sample Preparation: Prepared By: CB

continued ...

sample 246132 continued ...

Parameter	Flag	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Nitrate and Nitrite as N	J	0.0400	<0.100	<0.00846	mg/L	1	0.00846	0.1	0.00846

Sample: 246132 - 167-07

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
 Prep Batch: 63511 Sample Preparation: 2010-09-29 Prepared By: MD

Parameter	Flag	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1590	1590	<5.00	mg/L	1	5.00	5	5

Sample: 246132 - 167-07

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 74180 Date Analyzed: 2010-10-07 Analyzed By: AH
 Prep Batch: 63614 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	J	2.10	<10.0	<2.05	mg/L	1	2.05	10	2.05

Sample: 246161 - 167-08

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
 Prep Batch: 63932 Sample Preparation: 2010-10-08 Prepared By: JR

Parameter	Flag	SDL Based Result	SQL Based Result	Method Blank Result	Units	Dilution	SDL	SQL (Unadjusted)	MDL (Unadjusted)
Chloride		756	756	<25.0	mg/L	50	25.0	2.5	0.5

Sample: 246161 - 167-08

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
 Prep Batch: 64252 Sample Preparation: Prepared By: CB

Parameter	Flag	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
		Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Nitrate and Nitrite as N		0.250	0.250	<0.00846	mg/L	1	0.00846	0.1	0.00846

Sample: 246161 - 167-08

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
 Prep Batch: 63511 Sample Preparation: 2010-09-29 Prepared By: MD

Parameter	Flag	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
		Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Dissolved Solids		2720	2720	<5.00	mg/L	1	5.00	5	5

Sample: 246161 - 167-08

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 74180 Date Analyzed: 2010-10-07 Analyzed By: AH
 Prep Batch: 63614 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	SDL	SQL	Method	Units	Dilution	SDL	SQL	MDL
		Based Result	Based Result	Blank Result				(Unadjusted)	(Unadjusted)
Total Kjeldahl Nitrogen - N	U	<2.05	<10.0	<2.05	mg/L	1	2.05	10	2.05

Sample: 246162 - 167-09

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
 Prep Batch: 63932 Sample Preparation: 2010-10-08 Prepared By: JR

continued ...

sample 246162 continued ...

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		432	432	<25.0	mg/L	50	25.0	2.5	0.5

Sample: 246162 - 167-09

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
 Prep Batch: 64252 Sample Preparation: Prepared By: CB

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate and Nitrite as N	J	0.0300	<0.100	<0.00846	mg/L	1	0.00846	0.1	0.00846

Sample: 246162 - 167-09

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
 Prep Batch: 63513 Sample Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		1500	1500	<5.00	mg/L	1	5.00	5	5

Sample: 246162 - 167-09

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 74180 Date Analyzed: 2010-10-07 Analyzed By: AH
 Prep Batch: 63614 Sample Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N	U	<2.05	<10.0	<2.05	mg/L	1	2.05	10	2.05

Sample: 246163 - Lagoon-167

Laboratory: El Paso
 Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
 QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
 Prep Batch: 63932 Sample Preparation: 2010-10-08 Prepared By: JR

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Chloride		443	443	<25.0	mg/L	50	25.0	2.5	0.5

Sample: 246163 - Lagoon-167

Laboratory: Lubbock
 Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
 QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
 Prep Batch: 64252 Sample Preparation: Prepared By: CB

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Nitrate and Nitrite as N	J	0.680	<2.50	<0.212	mg/L	25	0.212	0.1	0.00846

Sample: 246163 - Lagoon-167

Laboratory: El Paso
 Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
 QC Batch: 74143 Date Analyzed: 2010-10-04 Analyzed By: MD
 Prep Batch: 63623 Sample Preparation: 2010-10-04 Prepared By: MD

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Dissolved Solids		2400	2400	<5.00	mg/L	1	5.00	5	5

Sample: 246163 - Lagoon-167

Laboratory: Lubbock
 Analysis: TKN Analytical Method: SM 4500-NH3 B,C Prep Method: N/A
 QC Batch: 74180 Date Analyzed: 2010-10-07 Analyzed By: AH
 Prep Batch: 63614 Sample Preparation: 2010-10-06 Prepared By: AH

continued ...

sample 246163 continued ...

Parameter	Flag	SDL Based Result	MQL Based Result	Method Blank Result	Units	Dilution	SDL	MQL (Unadjusted)	MDL (Unadjusted)
Total Kjeldahl Nitrogen - N		85.3	85.3	<2.05	mg/L	1	2.05	10	2.05

Method Blank (1)

QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 QC Preparation: 2010-09-29 Prepared By: MD

Parameter	Flag	Result	Units	Reporting Limits
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1)

QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 QC Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	Result	Units	Reporting Limits
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1)

QC Batch: 74023 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63514 QC Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	Result	Units	Reporting Limits
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1)

QC Batch: 74143 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63623 QC Preparation: 2010-10-04 Prepared By: MD

Parameter	Flag	Result	Units	Reporting Limits
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1)

QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63613 QC Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		<2.05	mg/L	2.05

Method Blank (1)

QC Batch: 74180 Date Analyzed: 2010-10-07 Analyzed By: AH
Prep Batch: 63614 QC Preparation: 2010-10-06 Prepared By: AH

Parameter	Flag	Result	Units	Reporting Limits
Total Kjeldahl Nitrogen - N		<2.05	mg/L	2.05

Method Blank (1)

QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63901 QC Preparation: 2010-10-07 Prepared By: JR

Parameter	Flag	Result	Units	Reporting Limits
Chloride		<0.500	mg/L	0.5

Method Blank (1)

QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
Prep Batch: 63932 QC Preparation: 2010-10-08 Prepared By: JR

Parameter	Flag	Result	Units	Reporting Limits
Chloride		<0.500	mg/L	0.5

Method Blank (1)

QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63991 QC Preparation: 2010-10-21 Prepared By: CB

Parameter	Flag	Result	Units	Reporting Limits
Nitrate and Nitrite as N		<0.00846	mg/L	0.00846

Method Blank (1)

QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64252 QC Preparation: 2010-11-01 Prepared By: CB

Parameter	Flag	Result	Units	Reporting Limits
Nitrate and Nitrite as N		<0.00846	mg/L	0.00846

Duplicate (1) Duplicated Sample: 246127

QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 QC Preparation: 2010-09-29 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	3560	3470	mg/L	1	3	10

Duplicate (1) Duplicated Sample: 246044

QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 QC Preparation: 2010-09-30 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	2260	2250	mg/L	1	0	10

Duplicate (1) Duplicated Sample: 246406

QC Batch: 74023 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63514 QC Preparation: 2010-09-30 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	2150	2260	mg/L	1	5	10

Duplicate (1) Duplicated Sample: 246404

QC Batch: 74143 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63623 QC Preparation: 2010-10-04 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	1830	1860	mg/L	1	2	10

Laboratory Control Spike (LCS-1)

QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 QC Preparation: 2010-09-29 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	1030	mg/L	1	1000	<5.00	103	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	982	mg/L	1	1000	<5.00	98	90 - 110	5	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: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 QC Preparation: 2010-09-30 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	963	mg/L	1	1000	<5.00	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	986	mg/L	1	1000	<5.00	99	90 - 110	2	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: 74023 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63514 QC Preparation: 2010-09-30 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	986	mg/L	1	1000	<5.00	99	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	1020	mg/L	1	1000	<5.00	102	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: 74143 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63623 QC Preparation: 2010-10-04 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	925	mg/L	1	1000	<5.00	92	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	909	mg/L	1	1000	<5.00	91	90 - 110	2	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: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63613 QC Preparation: 2010-10-06 Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	46.1	mg/L	1	50.0	<2.05	92	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	46.9	mg/L	1	50.0	<2.05	94	84.1 - 114	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: 74180 Date Analyzed: 2010-10-07 Analyzed By: AH
Prep Batch: 63614 QC Preparation: 2010-10-06 Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	46.6	mg/L	1	50.0	<2.05	93	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	43.0	mg/L	1	50.0	<2.05	86	84.1 - 114	8	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: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63901 QC Preparation: 2010-10-07 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	25.6	mg/L	1	25.0	<0.500	102	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	25.5	mg/L	1	25.0	<0.500	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: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
Prep Batch: 63932 QC Preparation: 2010-10-08 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	23.9	mg/L	1	25.0	<0.500	96	90 - 110	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: 246129

QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH
Prep Batch: 63613 QC Preparation: 2010-10-06 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	41.0	mg/L	1	50.0	<2.05	82	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	42.7	mg/L	1	50.0	<2.05	85	50.7 - 127	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: 246398

QC Batch: 74180 Date Analyzed: 2010-10-07 Analyzed By: AH
Prep Batch: 63614 QC Preparation: 2010-10-06 Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	38.9	mg/L	1	50.0	<2.05	78	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	41.7	mg/L	1	50.0	<2.05	83	50.7 - 127	7	20

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

Matrix Spike (MS-1) Spiked Sample: 246129

QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR
Prep Batch: 63901 QC Preparation: 2010-10-07 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1980	mg/L	55.6	1390	472	108	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1990	mg/L	55.6	1390	472	109	90 - 110	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: 246132

QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
Prep Batch: 63932 QC Preparation: 2010-10-08 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1650	mg/L	55.6	1390	268	99	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1650	mg/L	55.6	1390	268	99	90 - 110	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: 246129

QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB
Prep Batch: 63991 QC Preparation: 2010-10-21 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	¹ 9.66	mg/L	100	6.09	9.19	8	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	² 9.81	mg/L	100	6.09	9.19	10	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: 246167

QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64252 QC Preparation: 2010-11-01 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	11.2	mg/L	25	0.200	11	100	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	³ 11.3	mg/L	25	0.200	11	150	80 - 120	1	20

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

¹Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

²Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

³Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Standard (ICV-1)

QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.04	101	85 - 115	2010-10-06

Standard (CCV-1)

QC Batch: 74154 Date Analyzed: 2010-10-06 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.12	102	85 - 115	2010-10-06

Standard (ICV-1)

QC Batch: 74180 Date Analyzed: 2010-10-07 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.68	94	85 - 115	2010-10-07

Standard (CCV-1)

QC Batch: 74180 Date Analyzed: 2010-10-07 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.04	101	85 - 115	2010-10-07

Standard (CCV-1)

QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.3	97	90 - 110	2010-10-07

Standard (CCV-2)

QC Batch: 74483 Date Analyzed: 2010-10-07 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.4	98	90 - 110	2010-10-07

Standard (CCV-1)

QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.1	96	90 - 110	2010-10-08

Standard (CCV-2)

QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	25.0	24.0	96	90 - 110	2010-10-08

Standard (ICV-1)

QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.0609	0.0620	102	85 - 115	2010-10-21

Standard (CCV-1)

QC Batch: 74593 Date Analyzed: 2010-10-21 Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.0609	0.0645	106	85 - 115	2010-10-21

Standard (ICV-1)

QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.199	100	85 - 115	2010-11-01

Standard (CCV-1)

QC Batch: 74901

Date Analyzed: 2010-11-01

Analyzed By: CB

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate and Nitrite as N		mg/L	0.200	0.197	98	85 - 115	2010-11-01

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 Name: River Valley Dairy, LLC
Project #: 334248
Project Location (including state): River Valley Dairy, PO Box 1929, Anthony, NM 88021
Sampler Signature: [Signature]
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	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE
167-01		1	500 ml	X				X				X	9-27-10	10:35
167-01		1	500ml	X				X				X	9-27-10	10:35
167-01A		1	500ml	X				X				X	9/27/10	14:03
167-01A		1	500ml	X				X				X	9/27/10	14:03
167-02		1	500ml	X				X				X	9/27/10	15:35
167-02		1	500ml	X				X				X	9/27/10	15:35
167-03		1	500ml	X				X				X	9/27/10	15:45
167-03		1	500ml	X				X				X	9/27/10	15:45
167-04		1	500ml	X				X				X	9/27/10	15:45
167-04		1	500ml	X				X				X	9/27/10	15:45
130		1	500ml	X				X				X	9/23/10	15:00
167-05		1	500ml	X				X				X	9/23/10	15:00
167-06		1	500ml	X				X				X	9/22/10	14:50
167-06		1	500ml	X				X				X	9/22/10	14:50
167-07		1	500ml	X				X				X	9/22/10	14:55
167-07		1	500ml	X				X				X	9/22/10	14:55

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	Nitrates Nitrites	TKN SM 4500 NORG C	Chloride EPA 300	Total Dissolved Solids SM 2540 C MOD	Turn Around Time
								X	X	X	X	
								X	X	X	X	
								X	X	X	X	
								X	X	X	X	
								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: Thorsten Meinus Date: 9/27/10 14:30

Relinquished By: Kevin [Signature] Date: 9/28/10 17:00

Received By: [Signature] Date: 9/27/10 16:30

Received at Laboratory By: Casey Fox Date: 9-29-10 9:50

Lab Use Only
Intact Y/N Y
Headspace Y/N N
Temp 3/4
Log-in Review [initials]

Remarks: CL TDS in [unclear]

Dry Weight Basis Required [initials]
TRRP Report Required LS 46007713

6707 Aberdeen, Ste. 9
Lubbock, TX 79424
Tel (806) 794-1296
Fax (806) 794-1298

TraceAnalysis, Inc.

155 McCutcheon, Ste. H, El
Paso, TX 79532
Tel (915) 585-3443
Fax (915) 585-4944

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page of

Company Name:

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

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 #: 334248

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

Project Name:
River Valley Dairy, LLC

Sampler Signature:

LAB #

(LAB USE ONLY)

Field Code

Containers

Volume/Amount

MATRIX

WATER

AIR

SOIL

SLUDGE

HCl

HNO₃

H₂SO₄

NaOH

ICE

NONE

PRESERVATIVE METHOD

DATE

TIME

SAMPLING

MTBE 8021B/602

BTEX 5021B/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 *Nitrate 4500*

TKN SM 4500 NORG C

Chloride EPA 300

Total Dissolved Solids SM 2540 C MOD

Hold

Turn Around Time

ANALYSIS REQUEST

Remarks: *CL, TDS w/EP*

Dry Weight Basis Required *LS 46067713*

TRRP Report Required

Relinquished By:

Date: *9/28/10*

Time: *9:00*

Received By:

Date: *9/27/10*

Time: *12:50*

Relinquished By:

Date: *9/28/10*

Time: *9:50*

Received at Laboratory By:

Date: *9/29/10*

Time: *9:50*

Lab Use Only

Initial Y/N

Headspace Y/N

Temp *3/10/10*

Log-in/Review

Lab Use Only

Initial Y/N

Headspace Y/N

Temp *3/10/10*

Log-in/Review

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: vajjala@dhpump.com
 Contact Person: Victor Ayala
 Invoice to (if different from above): River Valley Dairy, PO Box 1929, Anthony, NM 88021
 Project #: 334248
 Project Name: River Valley Dairy, LLC
 Sampler Signature: [Signature]
 Project Location (including state): River Valley Dairy, 1400 La Chuga Rd., Mesquite, NM

LAB #	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				Sampling			
				WATER	AIR	SOIL	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
129	167-01	1	500 ml	X				X				X		9-27-10	10:35
	167-01	1	500ml	X				X				X		9-27-10	10:35
	167-01A	1	500ml	X				X				X		9/22/10	14:03
	167-01A	1	500ml	X				X				X		9/22/10	14:03
	167-02	1	500ml	X				X				X		9/22/10	13:35
	167-02	1	500ml	X				X				X		9/22/10	13:35
	167-03	1	500ml	X				X				X		9/22/10	15:45
	167-03	1	500ml	X				X				X		9/22/10	15:45
	167-04	1	500ml	X				X				X			
	167-04	1	500ml	X				X				X			
130	167-05	1	500ml	X				X				X		9/23/10	15:00
	167-05	1	500ml	X				X				X		9/23/10	15:00
131	167-06	1	500ml	X				X				X		9/23/10	14:50
	167-06	1	500ml	X				X				X		9/23/10	14:50
132	167-07	1	500ml	X				X				X		9/22/10	14:55
	167-07	1	500ml	X				X				X		9/22/10	14:55

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
 Nitrate EPA 800
 TKN SM 4500 NORG C
 Chloride EPA 300
 Total Dissolved Solids SM 2540 C MOD

Hold

Turn Around Time

Lab Use Only
 Intact Y/N
 Headspace Y/N
 Temp 3.4°C
 Log-in Review

Received By: [Signature] Date: 9/27/10 Time: 16:30
 Relinquished By: [Signature] Date: 9/27/10 Time: 16:30
 Received at Laboratory By: [Signature] Date: 9-29-10 Time: 9:50
 Relinquished By: [Signature] Date: 9/28/10 Time: 1700

Remarks: CI, TDS in ED
NOV -4 2010
 Dry Weight Basis Required
 TRRP Report Required LS46067713

TraceAnalysis, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 100929150

Company Name: D&H Petroleum & Environmental Services

Address: (Street, City, Zip)
1221 Tower Trail Ln, El Paso TX 79907

Contact Person: Victor Ayala

Phone #: 915-859-8150

Cell #: 915-859-8150

Fax #: 915-859-8150

E-mail: vayala@dhpump.com

Project Name: River Valley Dairy, LLC

Project #: 334248

Sampler Signature: River Valley Dairy, LLC

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

Field Code: 167-08

Field Code: 167-08

Field Code: 167-09

Field Code: 167-09

Field Code: Cogoon - 167

Field Code: Laseon - 167

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

Field Code:

LAB #	Field Code	# Containers	Volume/Amount	MATRIX	PRESERVATIVE METHOD	DATE	SAMPLING 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 <u>Nitrate 1500</u>	TKN SM 4500 NORG C	Chloride EPA 300	Total Dissolved Solids SM 2540 C MOD	Turn Around Time	Hold
167-08		1	500 ml	WATER	HNO ₃	9/23/10	12:50	X						X	X					
167-08		1	500ml	WATER	H ₂ SO ₄	9/23/10	12:50	X						X	X					
167-09		1	500ml	WATER	H ₂ SO ₄	9/24/10	10:45	X						X	X					
167-09		1	500ml	WATER	HNO ₃	9/24/10	10:45	X						X	X					
163	Cogoon - 167	1	500	WATER	HNO ₃	9/27/10	11:15	X						X	X					
	Laseon - 167	1	500	WATER	HNO ₃	9/27/10	11:15	X						X	X					

ANALYSIS REQUEST

Remarks: Cl, TDS w/ep

Lab Use Only

Received By: Thorsten Meinus Date: 9/28/10 Time: 11:50

Received at Laboratory By: Carol Fox Date: 9-29-10 Time: 9:50

Headspace Y/N Y

Temp 3/4 C

Log-in Review Y

Dry Weight Basis Required LS 46067712

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 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019 **HUB:** 1752439743100-86536 **DBE:** VN 20657
NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX **El Paso:** T104704221-08-TX **Midland:** T104704392-08-TX
LELAP-02003 LELAP-02002
Kansas E-10317

Analytical and Quality Control Report

Victor Ayala
D & H Petroleum and Environmental
1221 Tower Trail
P. O. Box 17969
El Paso, TX, 79907

Report Date: November 18, 2010

Work Order: 10092916



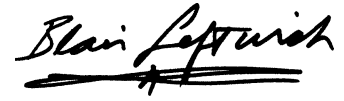
DP: 257
Project Location: 17900 Stern Drive, Mesquite, NM
Project Name: Sunset Dairy
Project Number: 334254

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
246164	257-01	water	2010-09-24	11:15	2010-09-27
246165	257-02	water	2010-09-24	10:38	2010-09-27
246166	257-03	water	2010-09-24	13:00	2010-09-27
246167	257-260-01	water	2010-09-24	12:10	2010-09-27
246168	Lagoon-257	water	2010-09-24	13:40	2010-09-27

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

This report consists of a total of 17 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director
Dr. Michael Abel, Project Manager

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Sunset Dairy were received by TraceAnalysis, Inc. on 2010-09-27 and assigned to work order 10092916. Samples for work order 10092916 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	63932	2010-10-08 at 17:44	74512	2010-10-08 at 17:44
Chloride (IC)	E 300.0	63933	2010-10-08 at 21:57	74513	2010-10-08 at 21:57
Nitrate and Nitrite as N	SM 4500-NO3 E	64252	2010-11-01 at 11:59	74901	2010-11-01 at 11:59
Nitrate and Nitrite as N	SM 4500-NO3 E	64253	2010-11-01 at 12:02	74902	2010-11-01 at 12:02
TDS	SM 2540C	63511	2010-09-29 at 10:35	74021	2010-09-29 at 10:35
TDS	SM 2540C	63513	2010-09-30 at 12:33	74022	2010-09-30 at 12:33
TDS	SM 2540C	63623	2010-10-04 at 10:44	74143	2010-10-04 at 10:44
TKN	E 351.3	63655	2010-10-07 at 10:58	74188	2010-10-07 at 12:45

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

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 10092916 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: 246164 - 257-01

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
Prep Batch: 63932 Sample Preparation: 2010-10-08 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		685	mg/L	50	2.50

Sample: 246164 - 257-01

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64252 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N	¹	58.0	mg/L	100	0.100

Sample: 246164 - 257-01

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 Sample Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3120	mg/L	1	5.00

Sample: 246164 - 257-01

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74188 Date Analyzed: 2010-10-07 Analyzed By: AH
Prep Batch: 63655 Sample Preparation: 2010-10-07 Prepared By: AH

continued . . .

¹Result of sample high. This may be due to natural color of sample. •

sample 246164 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246165 - 257-02

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
Prep Batch: 63932 Sample Preparation: 2010-10-08 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		445	mg/L	50	2.50

Sample: 246165 - 257-02

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64252 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		21.0	mg/L	25	0.100

Sample: 246165 - 257-02

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 Sample Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1590	mg/L	1	5.00

Sample: 246165 - 257-02

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74188 Date Analyzed: 2010-10-07 Analyzed By: AH
Prep Batch: 63655 Sample Preparation: 2010-10-07 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246166 - 257-03

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
Prep Batch: 63932 Sample Preparation: 2010-10-08 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		400	mg/L	50	2.50

Sample: 246166 - 257-03

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64252 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		8.00	mg/L	25	0.100

Sample: 246166 - 257-03

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 Sample Preparation: 2010-09-29 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		1670	mg/L	1	5.00

Sample: 246166 - 257-03

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74188 Date Analyzed: 2010-10-07 Analyzed By: AH
Prep Batch: 63655 Sample Preparation: 2010-10-07 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246167 - 257-260-01

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
Prep Batch: 63932 Sample Preparation: 2010-10-08 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		576	mg/L	50	2.50

Sample: 246167 - 257-260-01

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64252 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		11.0	mg/L	25	0.100

Sample: 246167 - 257-260-01

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74143 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63623 Sample Preparation: 2010-10-04 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		2480	mg/L	1	5.00

Sample: 246167 - 257-260-01

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74188 Date Analyzed: 2010-10-07 Analyzed By: AH
Prep Batch: 63655 Sample Preparation: 2010-10-07 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		<10.0	mg/L	1	10.0

Sample: 246168 - Lagoon-257

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 74513 Date Analyzed: 2010-10-08 Analyzed By: JR
Prep Batch: 63933 Sample Preparation: 2010-10-08 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		900	mg/L	100	2.50

Sample: 246168 - Lagoon-257

Laboratory: Lubbock
Analysis: Nitrate and Nitrite as N Analytical Method: SM 4500-NO3 E Prep Method: N/A
QC Batch: 74902 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64253 Sample Preparation: Prepared By: CB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate and Nitrite as N		14.0	mg/L	25	0.100

Sample: 246168 - Lagoon-257

Laboratory: El Paso
Analysis: TDS Analytical Method: SM 2540C Prep Method: N/A
QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 Sample Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		3640	mg/L	1	5.00

Sample: 246168 - Lagoon-257

Laboratory: Lubbock
Analysis: TKN Analytical Method: E 351.3 Prep Method: N/A
QC Batch: 74188 Date Analyzed: 2010-10-07 Analyzed By: AH
Prep Batch: 63655 Sample Preparation: 2010-10-07 Prepared By: AH

Parameter	Flag	RL Result	Units	Dilution	RL
Total Kjeldahl Nitrogen - N		209	mg/L	1	10.0

Method Blank (1) QC Batch: 74021

QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 QC Preparation: 2010-09-29 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74022

QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 QC Preparation: 2010-09-30 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74143

QC Batch: 74143 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63623 QC Preparation: 2010-10-04 Prepared By: MD

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.00	mg/L	5

Method Blank (1) QC Batch: 74188

QC Batch: 74188 Date Analyzed: 2010-10-07 Analyzed By: AH
 Prep Batch: 63655 QC Preparation: 2010-10-07 Prepared By: AH

Parameter	Flag	MDL Result	Units	RL
Total Kjeldahl Nitrogen - N		<2.05	mg/L	10

Method Blank (1) QC Batch: 74512

QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
 Prep Batch: 63932 QC Preparation: 2010-10-08 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74513

QC Batch: 74513 Date Analyzed: 2010-10-08 Analyzed By: JR
 Prep Batch: 63933 QC Preparation: 2010-10-08 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/L	2.5

Method Blank (1) QC Batch: 74901

QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
 Prep Batch: 64252 QC Preparation: 2010-11-01 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Method Blank (1) QC Batch: 74902

QC Batch: 74902 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64253 QC Preparation: 2010-11-01 Prepared By: CB

Parameter	Flag	MDL Result	Units	RL
Nitrate and Nitrite as N		<0.00846	mg/L	0.1

Duplicates (1) Duplicated Sample: 246127

QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 QC Preparation: 2010-09-29 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	3560	3470	mg/L	1	3	10

Duplicates (1) Duplicated Sample: 246044

QC Batch: 74022 Date Analyzed: 2010-09-30 Analyzed By: MD
Prep Batch: 63513 QC Preparation: 2010-09-30 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	2260	2250	mg/L	1	0	10

Duplicates (1) Duplicated Sample: 246404

QC Batch: 74143 Date Analyzed: 2010-10-04 Analyzed By: MD
Prep Batch: 63623 QC Preparation: 2010-10-04 Prepared By: MD

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	1830	1860	mg/L	1	2	10

Laboratory Control Spike (LCS-1)

QC Batch: 74021 Date Analyzed: 2010-09-29 Analyzed By: MD
Prep Batch: 63511 QC Preparation: 2010-09-29 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	1030	mg/L	1	1000	<5.00	103	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	982	mg/L	1	1000	<5.00	98	90 - 110	5	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: 74022
 Prep Batch: 63513

Date Analyzed: 2010-09-30
 QC Preparation: 2010-09-30

Analyzed By: MD
 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	963	mg/L	1	1000	<5.00	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	986	mg/L	1	1000	<5.00	99	90 - 110	2	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: 74143
 Prep Batch: 63623

Date Analyzed: 2010-10-04
 QC Preparation: 2010-10-04

Analyzed By: MD
 Prepared By: MD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Dissolved Solids	925	mg/L	1	1000	<5.00	92	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Dissolved Solids	909	mg/L	1	1000	<5.00	91	90 - 110	2	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: 74188
 Prep Batch: 63655

Date Analyzed: 2010-10-07
 QC Preparation: 2010-10-07

Analyzed By: AH
 Prepared By: AH

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	54.6	mg/L	1	50.0	<2.05	109	84.1 - 114

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	53.5	mg/L	1	50.0	<2.05	107	84.1 - 114	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: 74512
Prep Batch: 63932

Date Analyzed: 2010-10-08
QC Preparation: 2010-10-08

Analyzed By: JR
Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.0	mg/L	1	25.0	<0.500	96	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	23.9	mg/L	1	25.0	<0.500	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: 74513
Prep Batch: 63933

Date Analyzed: 2010-10-08
QC Preparation: 2010-10-08

Analyzed By: JR
Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	24.5	mg/L	1	25.0	<0.500	98	90 - 110

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	24.4	mg/L	1	25.0	<0.500	98	90 - 110	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: 246174

QC Batch: 74188
Prep Batch: 63655

Date Analyzed: 2010-10-07
QC Preparation: 2010-10-07

Analyzed By: AH
Prepared By: AH

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Total Kjeldahl Nitrogen - N	38.9	mg/L	1	50.0	<2.05	78	50.7 - 127

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Total Kjeldahl Nitrogen - N	42.1	mg/L	1	50.0	<2.05	84	50.7 - 127	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: 246132

QC Batch: 74512 Date Analyzed: 2010-10-08 Analyzed By: JR
Prep Batch: 63932 QC Preparation: 2010-10-08 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1650	mg/L	55.6	1390	268	99	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1650	mg/L	55.6	1390	268	99	90 - 110	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: 246168

QC Batch: 74513 Date Analyzed: 2010-10-08 Analyzed By: JR
Prep Batch: 63933 QC Preparation: 2010-10-08 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	1830	mg/L	55.6	1390	392	103	90 - 110

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1830	mg/L	55.6	1390	392	103	90 - 110	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: 246167

QC Batch: 74901 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64252 QC Preparation: 2010-11-01 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	11.2	mg/L	25	0.200	11	100	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	² 11.3	mg/L	25	0.200	11	150	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: 246401

QC Batch: 74902 Date Analyzed: 2010-11-01 Analyzed By: CB
Prep Batch: 64253 QC Preparation: 2010-11-01 Prepared By: CB

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Nitrate and Nitrite as N	1.13	mg/L	1	0.200	0.9	115	80 - 120

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Nitrate and Nitrite as N	1.07	mg/L	1	0.200	0.9	85	80 - 120	5	20

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

Standard (ICV-1)

QC Batch: 74188 Date Analyzed: 2010-10-07 Analyzed By: AH

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	5.35	107	85 - 115	2010-10-07

Standard (CCV-1)

QC Batch: 74188 Date Analyzed: 2010-10-07 Analyzed By: AH

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Kjeldahl Nitrogen - N		mg/L	5.00	4.54	91	85 - 115	2010-10-07

²Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

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 #: vajala@dhpump.com
 Fax #:
 E-mail:

Project Name: Sunset Dairy
 Project #: 334254
 Invoice to (if different from above): Sunset Dairy, PO Box 10, Mesquite, NM 88048
 Project Location (including state): Sunset Dairy, 1790
 Sampler Signature:

LAB # (LAB USE ONLY)	Field Code	# Containers	Volume/Amount	MATRIX				PRESERVATIVE METHOD				DATE	SAMPLING TIME	Turn Around Time
				WATER	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE			
164	257-01	1	500 ml	X				X					9/24/10 11:15	
165	257-01	1	500 ml	X				X					9/24/10 11:15	
166	257-02	1	500 ml	X				X					9/24/10 10:38	
167	257-02	1	500 ml	X				X					9/24/10 10:38	
168	257-03	1	500 ml	X				X					9/27/10 13:00	
169	257260-01	1	500 ml	X				X					9/27/10 12:00	
170	257260-01	1	500 ml	X				X					9/27/10 12:00	
171	Lagoon - 257	1	500 ml	X				X					9/24/10 13:40	
172	Lagoon - 357	1	500 ml	X				X					9/24/10 13:40	

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 Nitro-SM 4500

TKN SM 4500 NORG C

Chloride EPA 300

Total Dissolved Solids SM 2540 C MOD

Remarks: CI, TPS in BP

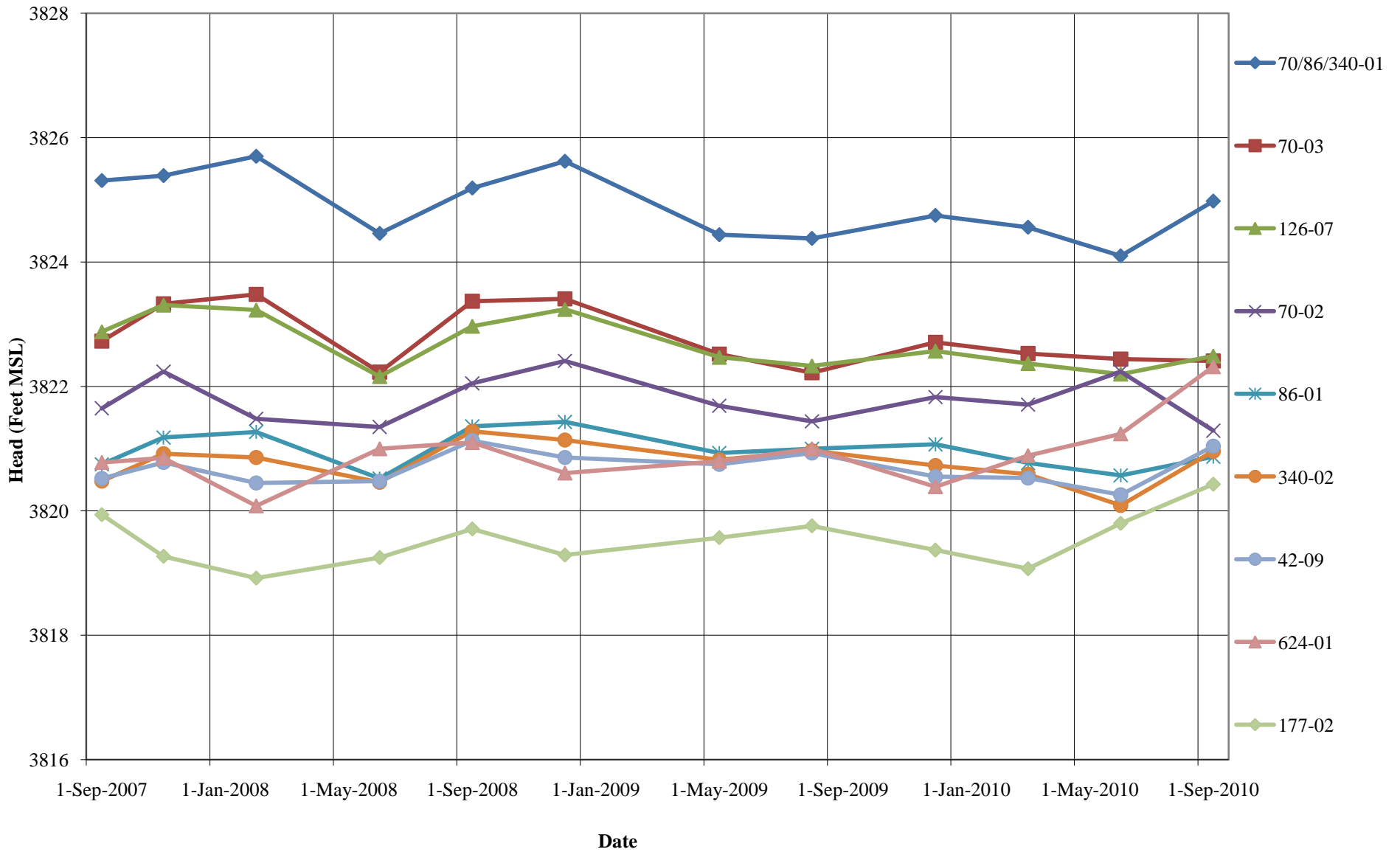
Lab Use Only
 Intact Y / N
 Headspace Y / N
 Temp 3/42
 Log-in Review

Relinquished By: Thorsten Meinus Date: 9/28/10 16:20
 Relinquished By: Carol Fox Date: 9-29-10 9:50
 Received at Laboratory By: Carol Fox Date: 9/27/10 16:30
 Received By: Thorsten Meinus Date: 9/27/10 16:30

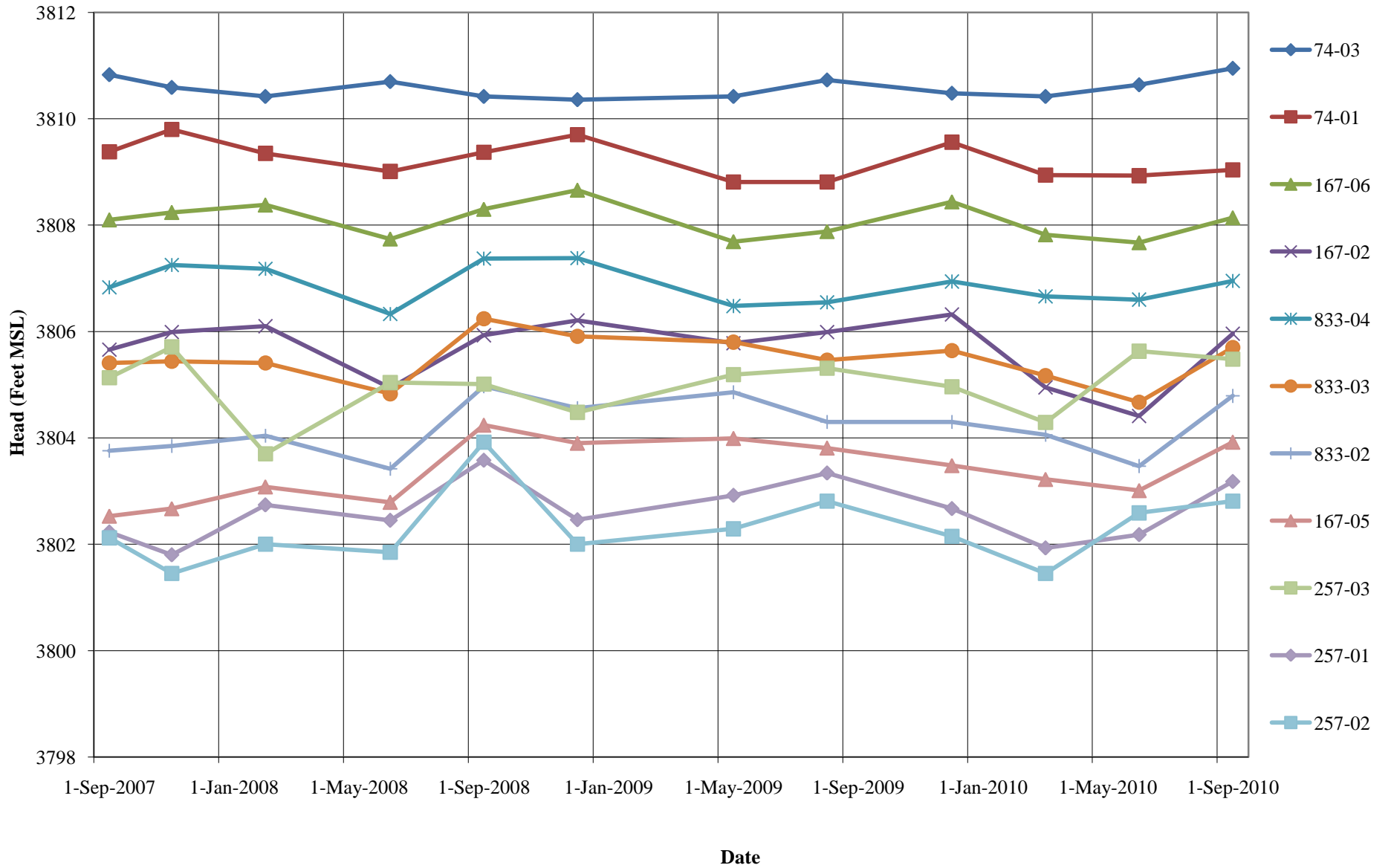
Dry Weight Basis Required LS 46067713
 TRRP Report Required

**APPENDIX C
HYDROGRAPHS**

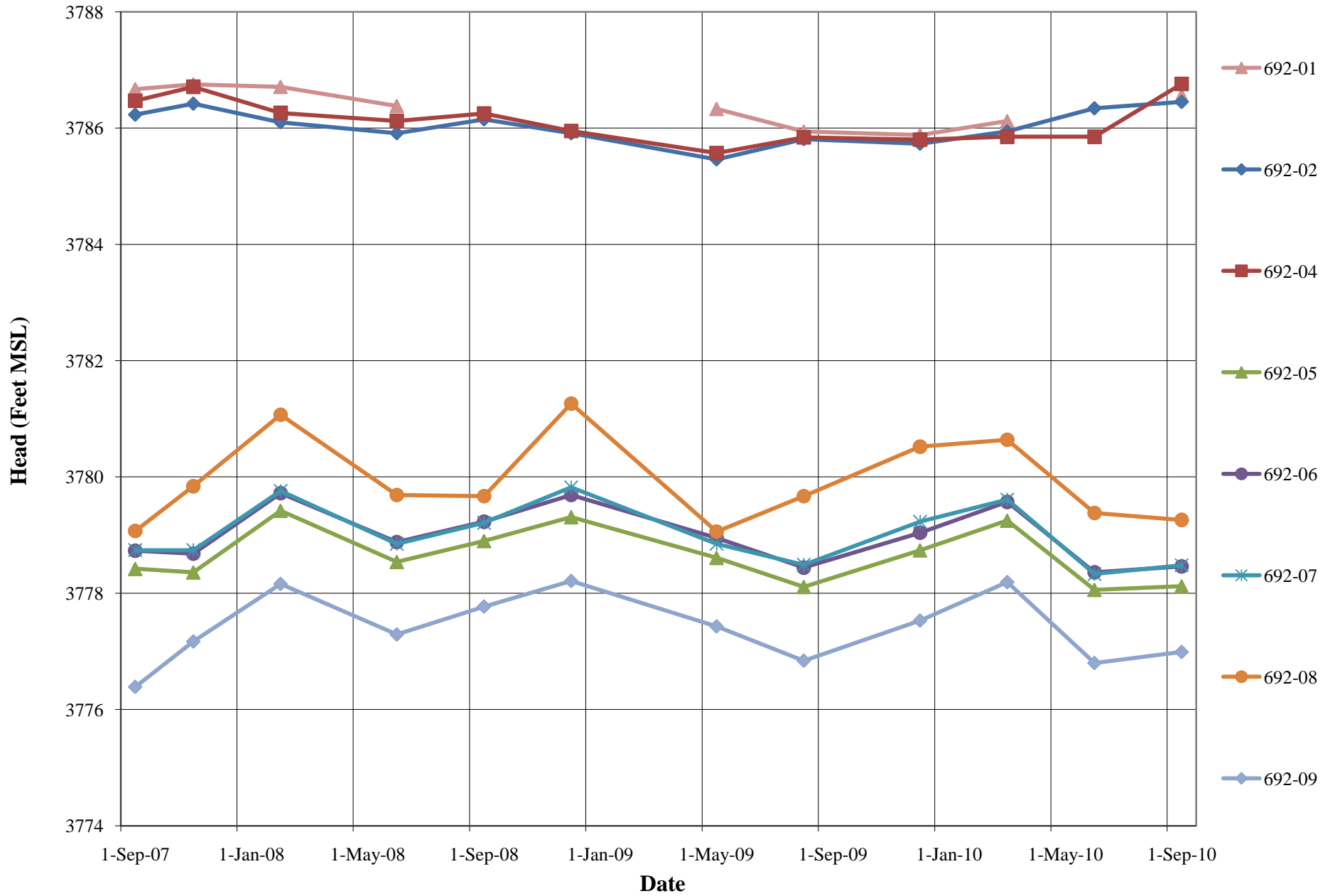
HYDROGRAPHS FOR DP MONITORING WELLS NORTHERN PORTION



HYDROGRAPHS FOR DP MONITORING WELLS CENTRAL PORTION

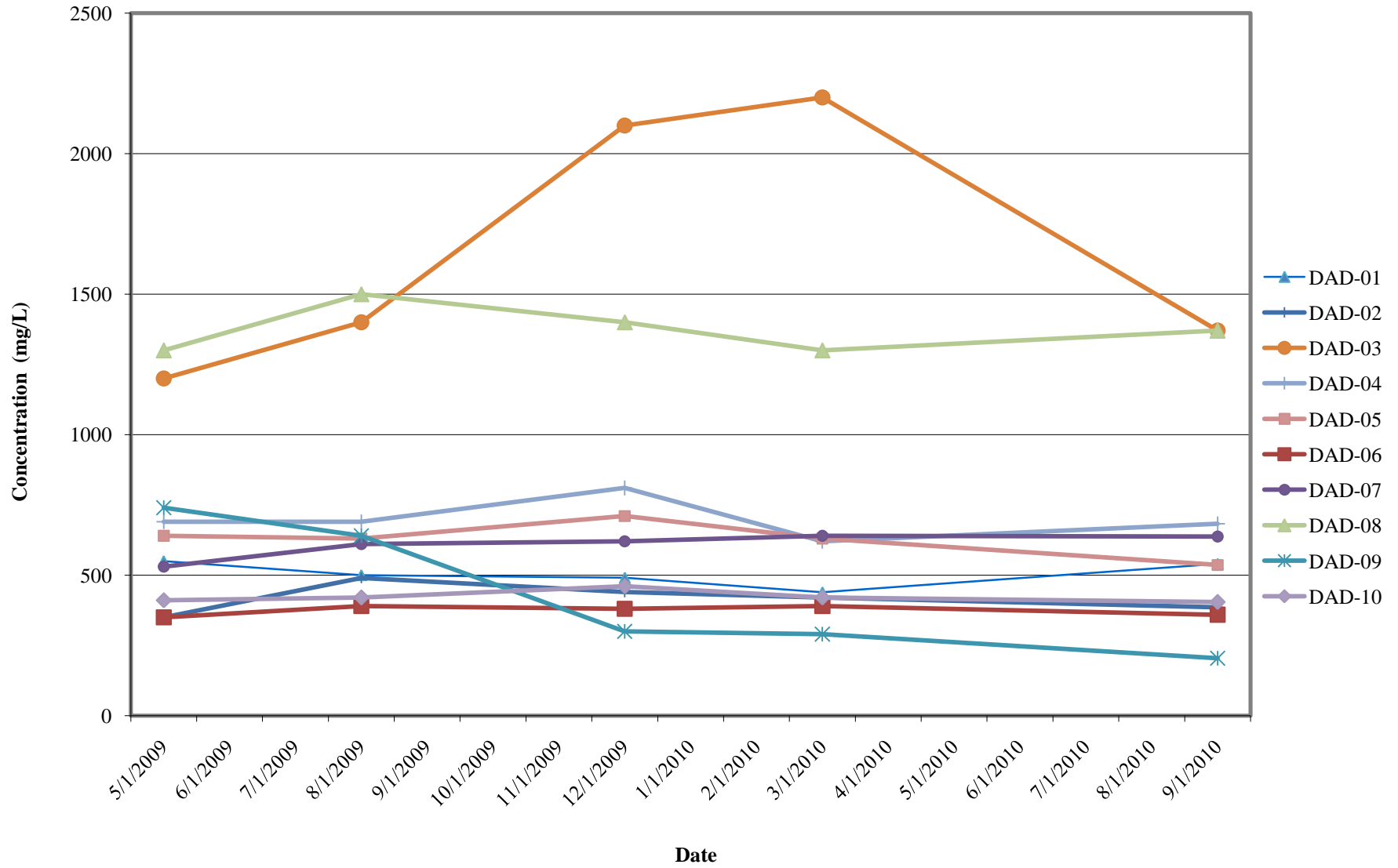


HYDROGRAPHS FOR DP MONITORING WELLS SOUTHERN PORTION



**APPENDIX D
CONCENTRATION TRENDS**

Concentration Trends for Chloride in DAD Monitoring Wells



Concentration Trends for Nitrate in Select DAD Monitoring Wells

