2010 ANNUAL GROUNDWATER MONITORING REPORT

G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
CASE NO. 1R254
OGRID NO. 4323
SW/4, SE/4, SECTION 35, T-24-S, R-37-E
LATITUDE: N 32° 10′ 11.9″ LONGITUDE: W 103° 07′ 46.9″
LEA COUNTY, NEW MEXICO

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LEA COUNTY, NEW MEXICO

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1.0 INTRODUCTION

This Annual Groundwater Monitoring Report presents groundwater data collected during the 2010 reporting period at the G.L. Erwin "A & B" Federal NCT-2 Tank Battery (hereafter referred to as the "Site"). On February 22-25 and July 26-28, 2010, Conestoga-Rovers & Associates (CRA) conducted the semi-annual groundwater monitoring events on behalf of Chevron Environmental Management Company (CEMC), as successor to Texaco Exploration and Production, Inc. (Texaco).

The Site is located on Lea County Road J4, approximately 3 miles northeast of Jal, New Mexico in the southwest quarter (SW/4) of the southeast quarter (SE/4), Section 35, Township 24 South, Range 37 East, Lea County, New Mexico. The Site's coordinates are latitude N 32° 10' 11.9" and longitude W 103° 07' 46.9". The Site is relatively flat and improved with bermed above ground storage tanks (ASTs), caliche roadways, and oil and gas production equipment. The production equipment includes pipelines, ASTs of various capacities and active production wells. Land use in the vicinity of the Site includes rangeland with indigenous grass, livestock ranching, oil and gas production. The topography slopes gently southeast toward Monument Draw located approximately 1.5 miles east of the Site.

Site assessment activities were initiated in 1993. In September 1993, Environmental Spill Control, Inc. (ESCI) of Hobbs, New Mexico performed a subsurface investigation in and around an unlined earthen emergency which produced a water overflow pit that was located adjacent to the west edge of the Site. During the investigation, 16 boreholes ranging from 30 to 100 feet below ground surface (bgs) were installed to evaluate soil and groundwater at the Site. Analytical results indicated hydrocarbon impacts to the soil and chloride impacts to the groundwater. In September 1994, ESCI excavated the former pit to approximately 62 feet bgs and removed approximately 40,000 cubic yards of hydrocarbon-affected soil. The excavation was lined from 62.5 feet up to 55.0 feet with a mixture of clean sand and clay and was backfilled with clean soil to the surface. ESCI submitted the pit closure report to Texaco in October 1994.

In February 1995, Texaco submitted a work plan to the New Mexico Oil Conservation Division (NMOCD) to assess affected groundwater at the Site. On March 28, 1995, the work plan was conditionally approved by the NMOCD. Two monitoring wells (WMW and SWMW) were installed and sampled in 1997. Analytical results demonstrated groundwater chloride concentrations were at or above the New Mexico Water Quality Control Commission (NMWQCC) Standards. In January 1998, Highlander Environmental Corp. (Highlander) performed an electromagnetic (EM-34) terrain conductivity survey. Additionally, Highlander installed eight monitoring wells (MW-1 thru MW-8) from February 1998 to January 1999 in order to further evaluate the extent of affected groundwater.

Texaco submitted a corrective action proposal plan to the New Mexico Office of the State Engineer (NMOSE) to recover groundwater from the recovery well (RW-1). From September 2001 to October 2003, nine additional monitor wells were installed under the direction of Larson and Associates, Inc. (LA). On September 9, 2004, the New Mexico State Engineer Office issued Permit CP 00886 to Divert Underground Waters from recovery well RW-1. Monitor wells (MW-18 thru MW-20) were installed under the direction of LA in November 2004. A total fluids groundwater recovery system was installed at RW-1 under CRA's direct supervision in September 2006. At the request of the NMOCD, two additional groundwater monitoring wells (MW-21 and MW-22) were installed at the Site on November 19, 2007 to further evaluate the extent of affected groundwater. Currently, the Site is monitored semi-annually by CRA.

2.0 REGULATORY FRAMEWORK

The NMOCD guidelines require groundwater to be analyzed for constituents of concern (COC) as defined by the New Mexico Water Quality Control Commission (NMWQCC) standards. The NMWQCC regulations provide Human Health Standards for Groundwater. The COCs in affected groundwater at the Site are chlorides, fluorides, nitrates, sulfates and total dissolved solids (TDS). Groundwater analytical results for COC analytes were compared to the NMWQCC standards shown in the following table:

Analyte	NMWQCC Standard for Groundwater (mg/L)
Fluoride[1]	1.6
Nitrate (NO_3 as N)[1]	10
Chloride[2]	250
Sulfate (SO_4)[2]	600
Total Dissolved Solids (TDS)[2]	1,000

Notes:
1) [1]NMWQCC Human Health Standards per NMAC 20.6.2.3103A
2) [2]NMWQCC Other Standards for Domestic Water Supply per NMAC 20.6.2.3103B

3.0 2010 GROUNDWATER MONITORING

Currently, groundwater at the Site is monitored semi-annually with a network of 26 wells (MW-1 through MW-22, West monitoring well, Southwest monitoring well, RW-1 & WW-1) (FIGURE 2). CRA performed ground water sampling events on February 22-25 and July 26-28, 2010 at the Site.

Prior to purging the monitor wells, static fluid levels were measured with an electric interface probe to the nearest hundredth of a foot. After recording fluid levels, the wells were handbailed and purged of three casing volumes of groundwater. Water quality field parameters of pH, temperature and conductivity were recorded during purging. All non-disposable groundwater sampling equipment was decontaminated with a soap (Liquinox®) and potable water wash, a potable water rinse and a final de-ionized water rinse. Subsequent to the purging, groundwater samples were collected with new disposable PVC bailers. Laboratory supplied sample containers were filled directly from the bailers.

The groundwater samples were placed on ice in insulated coolers and chilled to a temperature of approximately 4°C (40°F). The coolers were sealed for shipment and proper chain-of-custody documentation accompanied the samples to ALS Laboratory Group (ALS) for analysis of major cations, anions and TDS by Environmental Protection Agency (EPA) Methods E300.0 and SW6020, SM 2320B, and M2540C (APPENDIX A). The fluids recovered during the sampling events were containerized and subsequently disposed of at an OCD-permitted salt water disposal (SWD) facility by Nabors.

3.1 POTENTIOMETRIC SURFACE AND GRADIENT

Groundwater elevation data are presented in TABLE I and generally fall within historical ranges. Groundwater gradient maps for February and July 2010 are presented in FIGURES 3 and 4. Depth to groundwater ranged from 59.35 feet to 80.35 feet below top of casing on February 22, 2010 and from 59.72 feet to 80.39 feet below top of casing on July 26, 2010. Groundwater flow at the Site is to the southeast at an average gradient of 0.012-ft/ft.

3.2 ANALYTICAL RESULTS

The 2010 Analytical results generally fall within historical ranges, and are summarized in Table II. Isopleth maps of the chloride concentrations for February and July 2010 groundwater monitoring events are presented as FIGURES 6 & 7.

All wells sampled during the February and July 2010 monitoring events had at least one COC (Chloride, Fluoride, Nitrate-N, Sulfate or Total Dissolved Solids) that exceeded NMWQCC standards except WW-1 which did not exceed any standards in the February event and was not sampled in the July event. These results are presented as FIGURE 5. Monitoring wells MW-11 and MW-18 were dry and were not sampled in either event. The West and Southwest monitoring wells were only sampled during the July event.

Groundwater COCs detected above the NMWQCC standards are highlighted in TABLE II and are listed below:

- Chloride was detected at concentrations above the NMWQCC standard (250 mg/L) in twenty wells sampled in the February 2010 event and in twenty-one wells in the July 2010 sampling event;

- Fluoride was detected at concentrations above the NMWQCC standard (1.60 mg/L) in six wells sampled in the February 2010 event and in seven wells in the July 2010 sampling event;

- Sulfate was detected at concentrations above the NMWQCC standard (600 mg/L) in two wells sampled in the February 2010 event and in one well in the July 2010 sampling event; and

- Total Dissolved Solids were detected at concentrations above the NMWQCC standard (1,000mg/L) in twenty wells sampled in the February 2010 event and in twenty-one wells in the July 2010 sampling event.

4.0 QUALITY ASSURANCE

One duplicate sample was collected during the February 2010 sampling event, and two duplicate samples were collected during the July 2010 sampling events. Duplicate concentrations did not exhibit significant deviations for constituents analyzed. Copies of the certified analytical reports and chain-of-custody documentation are attached in APPENDIX A.

5.0 CORRECTIVE ACTION

Excluding brief periods for routine maintenance, the groundwater recovery system in RW-1 operated continuously from January to December 2010.

Operation and maintenance (O&M) activities were performed on a weekly basis.

In 2010, approximately 4,648.5 bbls were recovered from RW-1 and 11,894 bbls total have been recovered from RW-1 since the system was installed in September 2006.

Groundwater pumping record reports for RW-1 were submitted quarterly to the NMOSE in accordance to permit requirements.

6.0 SUMMARY

Based on historical data review and groundwater monitoring activities performed at the Site, CRA presents the following summary:

- Groundwater at the Site is monitored semi-annually with a network of 26 wells (MW-1 through MW-22, West monitoring well, Southwest monitoring well, RW-1 & WW-1);

- Groundwater elevation data are presented in TABLE I and generally fall within historical ranges. Groundwater gradient maps for February and July 2010 are presented in FIGURES 3 and 4. Depth to groundwater ranged from 59.35 feet to 80.35 feet below top of casing on February 22, 2010 and from 59.72 feet to 80.39 feet below top of casing on July 26, 2010. Groundwater flow at the Site is to the southeast at an average gradient of 0.012-ft/ft;

- The 2010 analytical results generally fall within historical ranges, and are summarized in TABLE II. All wells sampled during the February and July 2010 monitoring events had at least one COC (Chloride, Fluoride, Nitrate-N, Sulfate or Total Dissolved Solids) that exceeded NMWQCC standards except WW-1;

- Excluding brief periods for routine maintenance, the groundwater recovery system in RW-1 operated continuously from January to December 2010. Operation and maintenance (O&M) activities were performed on a weekly basis;
- In 2010, approximately 4,648.5 bbls were recovered from RW-1 and 11,894 bbls total have been recovered from RW-1 since the system was installed in September 2006; and

- Groundwater pumping record reports for RW-1 were submitted quarterly to the NMOSE in accordance to permit requirements.

7.0 PLANNED ACTIVITIES

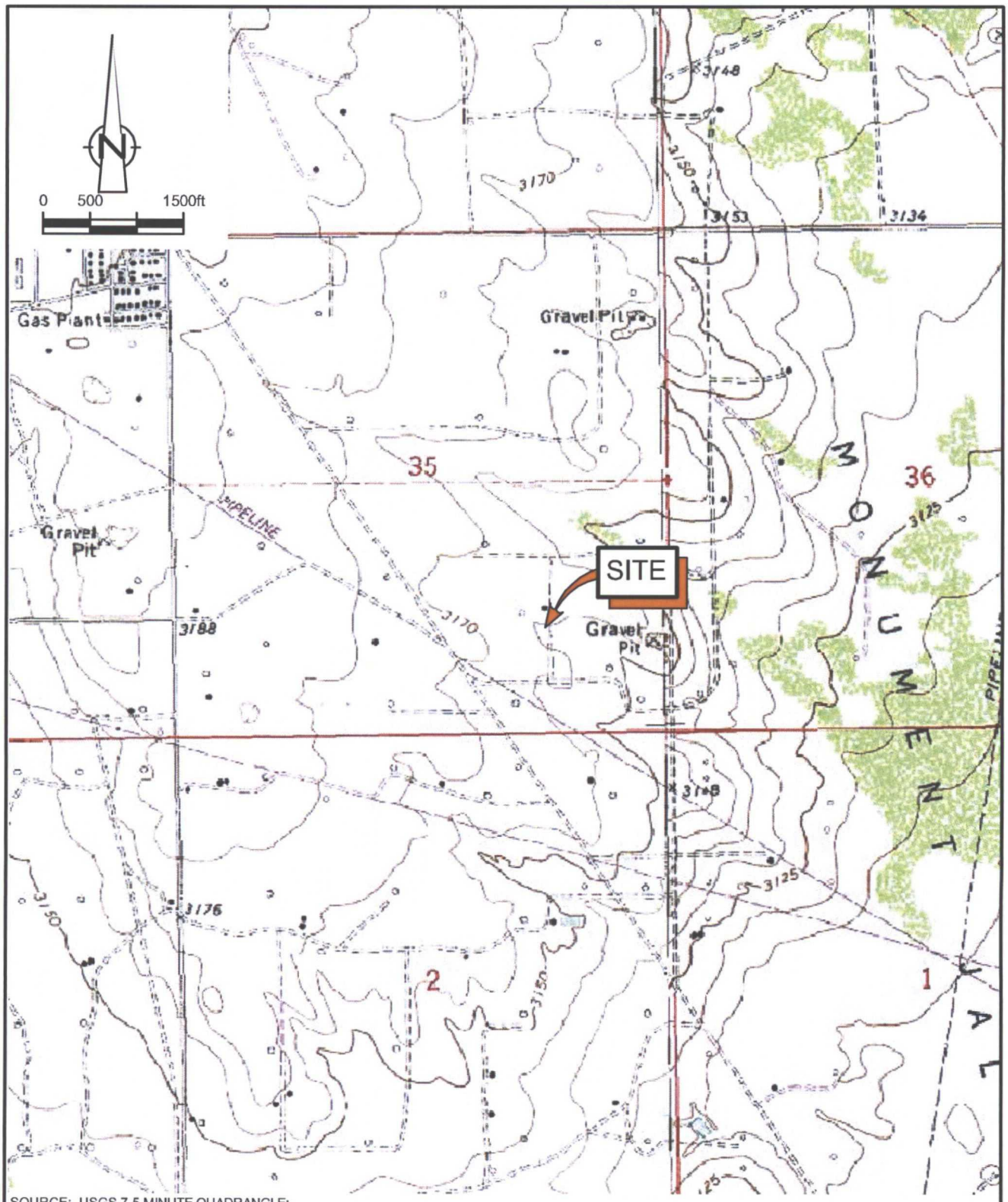
Planned activities at the G.L. Erwin "A & B" Federal NCT-2 Tank Battery include:

- Continue to perform semi-annual groundwater monitoring and sampling events in 2011;
- Continue groundwater recovery from RW-1 in accordance to permit requirements;
- Submit groundwater pumping record reports for RW-1 quarterly to the NMOSE in accordance to permit requirements; and
- Installation of two monitor wells for the purpose of chloride plume delineation at the site.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Todd Wells
Project Manager

Thomas C. Larson
Operations Manager



SOURCE: USGS 7.5 MINUTE QUADRANGLE;
JAL NW, NEW MEXICO (1977)

32° 10' 11.9" N, 103° 07' 46.9" W

figure 1

SITE LOCATION MAP
G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

039124-10(008)GN-MD001 MAR 29/2011

figure 2

LEGEND

- MONITOR WELL LOCATION
- RECOVERY WELL LOCATION
- WATER WELL LOCATION
- GROUNDWATER RECOVERY SYSTEM

NOTES:

1. MONITOR WELL LOCATIONS AND TOP OF CASING ELEVATIONS ARE BASED ON A PROFESSIONAL SURVEY CONDUCTED BY PIPER SURVEYING COMPANY IN FEBRUARY AND JULY 1998, OCTOBER 2001, OCTOBER 2003, AND DECEMBER 2004.
2. PUMP AND DISPOSE GROUNDWATER RECOVERY SYSTEM WAS INSTALLED IN SEPTEMBER 2006.
3. MONITOR WELLS MW-21 AND MW-22 WERE INSTALLED ON NOVEMBER 19, 2007 AND TOP OF CASING ELEVATIONS ARE BASED ON A PROFESSIONAL SURVEY CONDUCTED BY WEST COMPANY IN DECEMBER 2007.

SITE DETAILS MAP
G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

039124-10(008)GN-MD002 MAR 29/2011

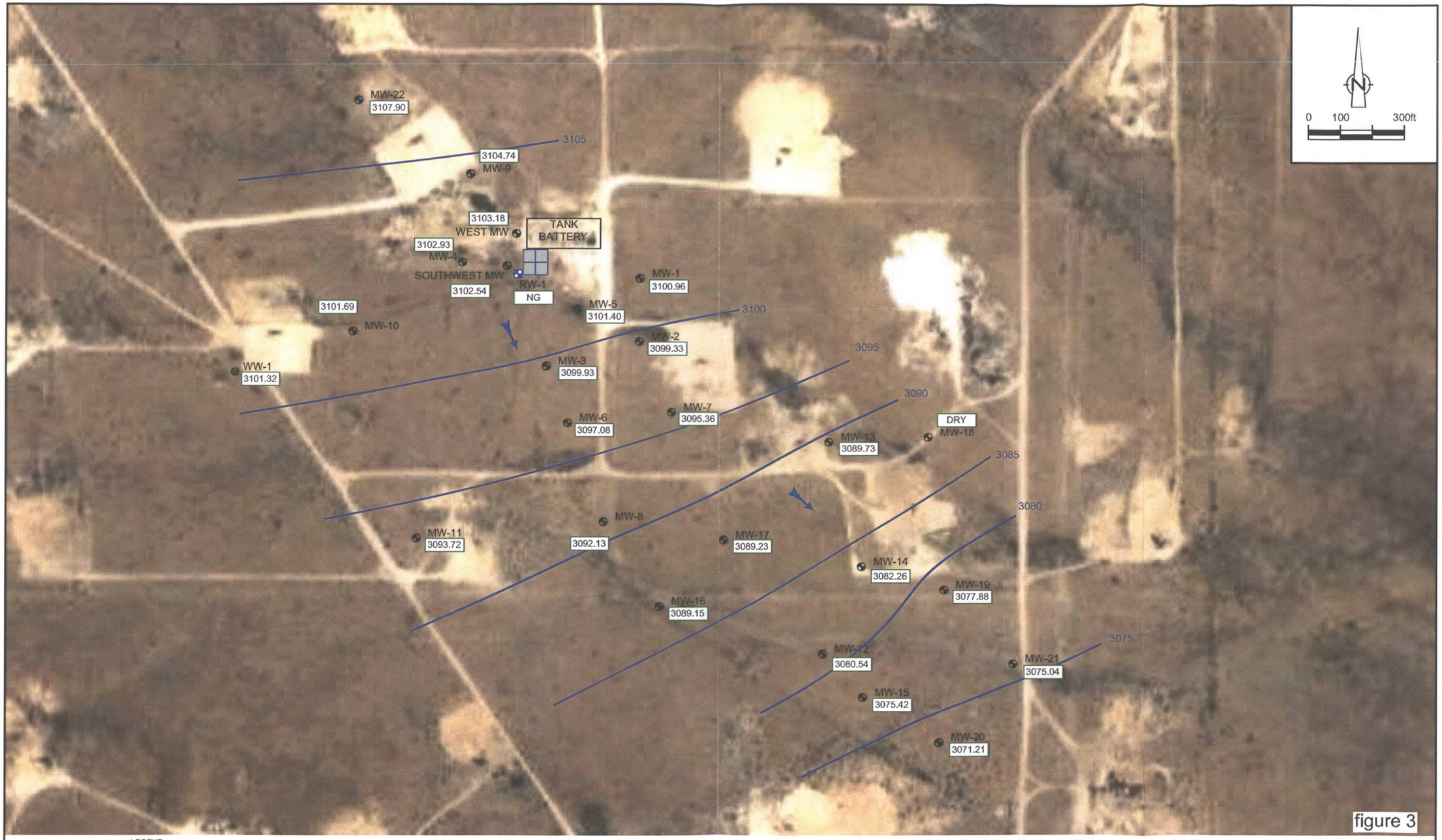


figure 3

LEGEND

- MONITOR WELL LOCATION
- RECOVERY WELL LOCATION
- WATER WELL LOCATION
- GROUNDWATER RECOVERY SYSTEM
- DIRECTION OF GROUNDWATER FLOW
- 3094.38 GROUNDWATER LEVEL ELEVATION
- NG NOT GAUGED
- GROUNDWATER LEVEL ELEVATION CONTOUR

NOTES:

1. GROUNDWATER LEVEL ELEVATIONS WERE COLLECTED FEBRUARY 22, 2010.
2. CONTOURS ARE AT FIVE-FOOT INTERVALS.

GROUNDWATER GRADIENT MAP - FEBRUARY 2010
G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

039124-10(008)GN-MD003 MAR 31/2011

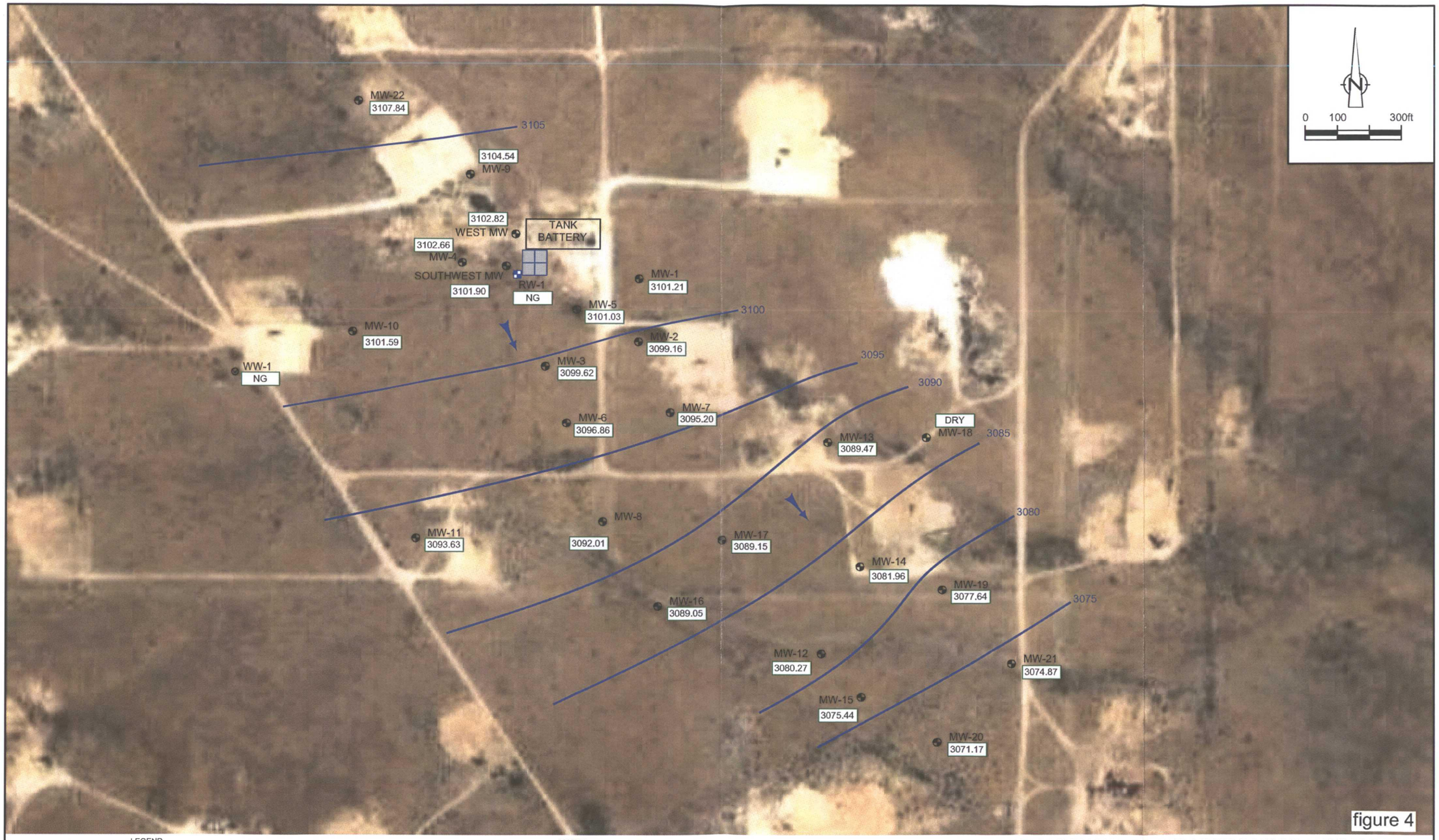


figure 4

LEGEND

- MONITOR WELL LOCATION
- RECOVERY WELL LOCATION
- WATER WELL LOCATION
- GROUNDWATER RECOVERY SYSTEM
- DIRECTION OF GROUNDWATER FLOW
- 3094.38 — GROUNDWATER LEVEL ELEVATION
- NG — NOT GAUGED
- GROUNDWATER LEVEL ELEVATION CONTOUR

NOTES:

1. GROUNDWATER LEVEL ELEVATIONS WERE COLLECTED JULY 26, 2010.
2. CONTOURS ARE AT FIVE-FOOT INTERVALS.

GROUNDWATER GRADIENT MAP - JULY 2010
G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

039124-10(008)GN-MD004 MAR 31/2011

figure 5

CHLORIDE CONCENTRATION MAP - FEBRUARY & JULY 2010
G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

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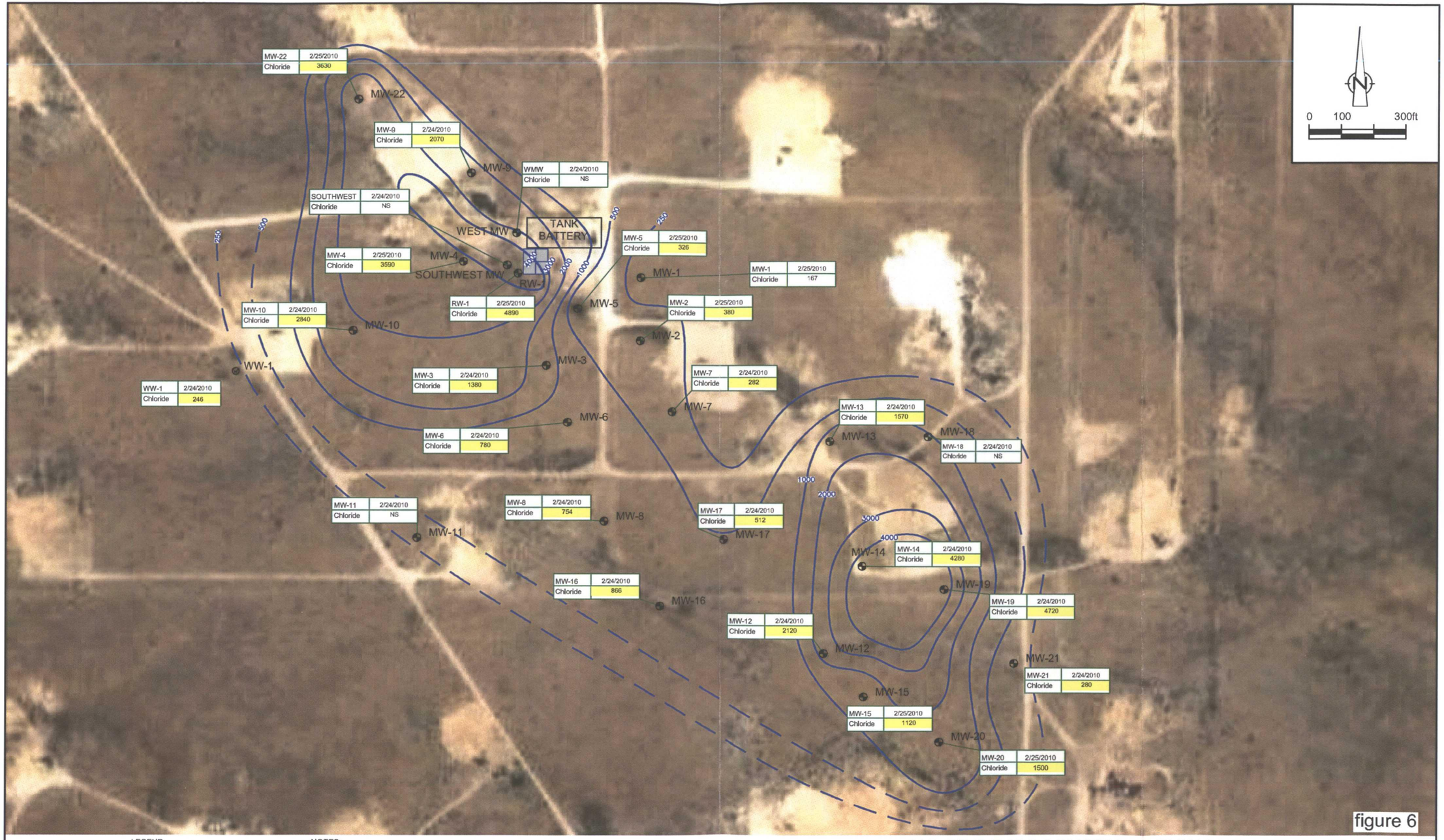

figure 6

CHLORIDE ISOCONCENTRATION MAP - FEBRUARY 2010
G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

LEGEND

- MONITOR WELL LOCATION
- RECOVERY WELL LOCATION
- WATER WELL LOCATION
- GROUNDWATER RECOVERY SYSTEM

NOTES:

1. CHLORIDE WAS ANALYZED BY EPA METHOD E300.
2. GROUNDWATER SAMPLES WERE COLLECTED ON FEBRUARY 24-25, 2010.

SAMPLE LOCATION | SAMPLE DATE
MW-1 | 2/24/2010
Chloride | <250 — EXCEEDANCE
CONCENTRATIONS IN MG/L

039124-10(008)GN-MD006 MAR 31/2011

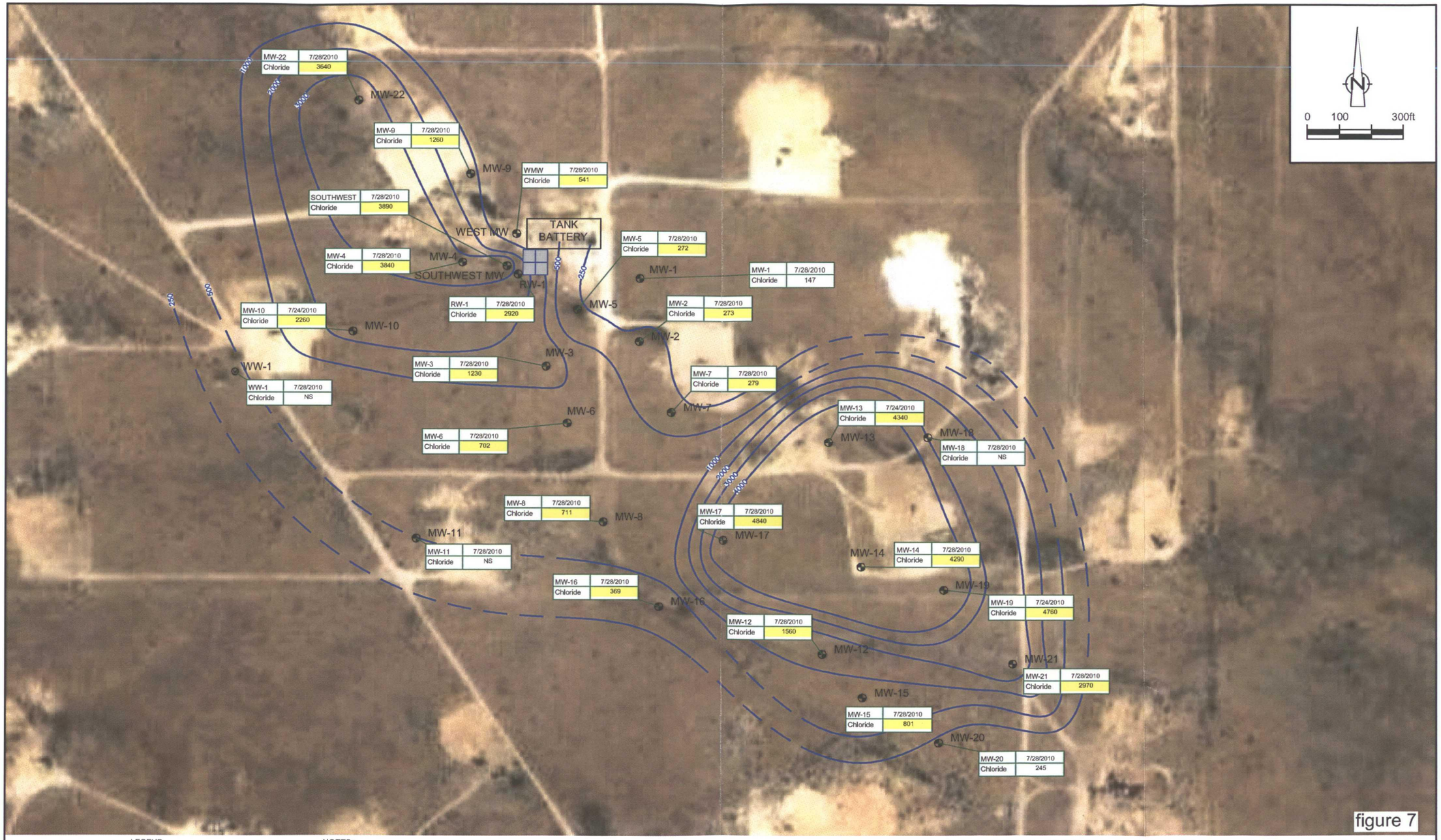

figure 7

LEGEND

- MONITOR WELL LOCATION
- RECOVERY WELL LOCATION
- WATER WELL LOCATION
- GROUNDWATER RECOVERY SYSTEM

NOTES:

1. CHLORIDE WAS ANALYZED BY EPA METHOD E300.
2. GROUNDWATER SAMPLES WERE COLLECTED ON JULY 28, 2010.

SAMPLE DATE
SAMPLE LOCATION — MW-1 | 7/24/2010 | Chloride | >250 — EXCEEDANCE
CONCENTRATIONS IN MG/L

CHLORIDE ISOCONCENTRATION MAP - JULY 2010
G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

039124-10(008)GN-MD007 MAR 30/2010

TABLE I

GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL *TOC elev*[1]	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL[2])	Screen interval (bgs[3])
MW-01	2/4/1998	2	87.70	64.15	---	---	3097.54	
3,161.69	2/7/2001			61.40	---	---	3100.29	
	4/30/2002			61.43	---	---	3100.26	
	10/11/2002			61.43	---	---	3100.26	
	12/26/2002			61.43	---	---	3100.26	
	2/17/2003			61.42	---	---	3100.27	
	5/29/2003			61.58	---	---	3100.11	
	8/22/2003			61.37	---	---	3100.32	
	11/5/2003			61.35	---	---	3100.34	
	2/3/2004			61.34	---	---	3100.35	
	5/5/2004			61.13	---	---	3100.56	
	8/2/2004			61.08	---	---	3100.61	
	11/23/2004			60.61	---	---	3101.08	55'-85'
	2/9/2005			60.46	---	---	3101.23	
	8/4/2005			60.62	---	---	3101.07	
	2/22/2006		84.60	60.30	---	---	3101.39	
	8/24/2006		84.6	60.46	---	---	3101.23	
	2/27/2007			60.12	---	---	3,101.57	
	8/23/2007			59.88	---	---	3,101.81	
	2/18/2008		84.59	59.95	---	---	3,101.74	
	8/11/2008		84.59	59.99	---	---	3101.70	
	2/16/2009			60.44	---	---	3101.25	
	7/27/2009			60.57	---	---	3101.12	
	2/22/2010			60.73	---	---	3100.96	
	7/26/2010			60.48	---	---		
MW-02	2/4/1998	2	72.94	61.33	---	---	3098.56	
3,159.89	2/7/2001			61.45	---	---	3098.44	
	4/30/2002			61.47	---	---	3098.42	
	10/11/2002			61.46	---	---	3098.43	
	12/26/2002			61.52	---	---	3098.37	
	2/17/2003			61.53	---	---	3098.36	
	5/29/2003			61.48	---	---	3098.41	
	8/22/2003			61.41	---	---	3098.48	
	11/5/2003			61.38	---	---	3098.51	
	2/3/2004			61.35	---	---	3098.54	
	5/5/2004			61.20	---	---	3098.69	
	8/2/2004			61.11	---	---	3098.78	
	11/23/2004			60.52	---	---	3099.37	50'-70'
	2/9/2005			60.45	---	---	3099.44	
	8/4/2005			66.60	---	---	3093.29	
	2/22/2006		72.81	60.26	---	---	3099.63	
	8/24/2006		72.81	60.42	---	---	3099.47	
	2/27/2007			60.04	---	---	3,099.85	
	8/23/2007			59.80	---	---	3,100.09	
	2/18/2008		72.82	59.83	---	---	3,100.06	
	8/11/2008		72.81	59.89	---	---	3100.00	
	2/16/2009			60.42	---	---	3099.47	
	7/27/2009			60.55	---	---	3099.34	
	2/22/2010			60.56	---	---	3099.33	
	7/26/2010			60.73	---	---	3099.16	
MW-03	2/4/1998	2	73.26	65.18	---	---	3098.90	
3,164.08	2/7/2001			65.22	---	---	3098.86	
	4/30/2002			65.11	---	---	3098.97	
	10/11/2002			65.14	---	---	3098.94	
	12/26/2002			65.15	---	---	3098.93	
	2/17/2003			65.15	---	---	3098.93	
	5/29/2003			65.19	---	---	3098.89	
	8/22/2003			65.09	---	---	3098.99	
	11/5/2003			65.09	---	---	3098.99	
	2/3/2004			65.06	---	---	3099.02	
	5/5/2004			64.97	---	---	3099.11	
	8/2/2004			64.54	---	---	3099.54	
	11/23/2004			64.47	---	---	3099.61	50'-70'
	2/9/2005			64.18	---	---	3099.90	
	8/4/2005			64.30	---	---	3099.78	
	2/22/2006		73.14	63.93	---	---	3100.15	
	8/24/2006		73.14	64.09	---	---	3099.99	
	2/27/2007			63.74	---	---	3100.34	
	8/23/2007			63.54	---	---	3,100.54	
	2/18/2008		73.13	63.55	---	---	3,100.53	
	8/11/2008		73.13	63.61	---	---	3100.47	
	2/16/2009			64.09	---	---	3099.99	
	7/27/2009			64.22	---	---	3099.86	
	2/22/2010			64.15	---	---	3099.93	
	7/26/2010			64.46	---	---	3099.62	

TABLE I

GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL *TOC elev*[1]	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL[2])	Screen interval (bgs[3])
MW-04	2/4/1998	2	73.31	63.94	---	---	3101.71	
3,165.65	10/19/2000			63.80	---	---	3101.85	
	2/7/2001			63.78	---	---	3101.87	
	4/30/2002			63.72	---	---	3101.93	
	10/11/2002			63.74	---	---	3101.91	
	12/26/2002			63.74	---	---	3101.91	
	2/17/2003			63.74	---	---	3101.91	
	5/29/2003			63.83	---	---	3101.82	
	8/22/2003			63.71	---	---	3101.94	
	11/5/2003			63.68	---	---	3101.97	
	2/3/2004			63.64	---	---	3102.01	
	5/5/2004			63.55	---	---	3102.10	
	8/2/2004			63.45	---	---	3102.20	
	11/23/2004			62.91	---	---	3102.74	50'-70'
	2/9/2005			62.83	---	---	3102.82	
	8/4/2005			63.12	---	---	3102.53	
	2/23/2006		73.11	62.80	---	---	3102.85	
	8/25/2006		73.11	62.97	---	---	3102.68	
	2/27/2007			62.60	---	---	3,103.05	
	8/23/2007			62.33	---	---	3,103.32	
	2/18/2008		73.1	62.35	---	---	3,103.30	
	8/11/2008		73.11	62.38	---	---	3103.27	
	2/16/2009			62.73	---	---	3102.92	
	7/27/2009			62.85	---	---	3102.80	
	2/22/2010			62.72	---	---	3102.93	
	7/26/2010			62.99	---	---	3102.66	
MW-05	2/4/1998	2	73.10	60.33	---	---	3100.42	
3,160.75	10/19/2000			60.25	---	---	3100.50	
	2/7/2001			60.58	---	---	3100.17	
	4/30/2002			62.27	---	---	3098.48	
	10/11/2002			60.29	---	---	3100.46	
	12/26/2002			60.29	---	---	3100.46	
	2/17/2003			60.30	---	---	3100.45	
	5/29/2003			60.33	---	---	3100.42	
	8/22/2003			60.24	---	---	3100.51	
	11/5/2003			60.24	---	---	3100.51	
	2/3/2004			60.20	---	---	3100.55	
	5/5/2004			60.04	---	---	3100.71	
	8/2/2004			59.97	---	---	3100.78	
	11/23/2004			59.51	---	---	3101.24	50'-70'
	2/9/2005			59.32	---	---	3101.43	
	8/4/2005			59.55	---	---	3101.20	
	2/22/2006		72.95	59.22	---	---	3101.53	
	8/24/2006		72.95	59.39	---	---	3101.36	
	2/27/2007			59.03	---	---	3,101.72	
	8/23/2007			58.84	---	---	3,101.91	
	2/18/2008		72.95	58.83	---	---	3,101.92	
	8/11/2008		72.95	58.84	---	---	3101.91	
	2/16/2009			59.36	---	---	3101.39	
	7/27/2009			59.50	---	---	3101.25	
	2/22/2010			59.35	---	---	3101.40	
	7/26/2010			59.72	---	---	3101.03	
MW-06	2/7/2001	2	77.24	68.00	---	---	3096.18	
3,164.18	4/30/2002			68.10	---	---	3096.08	
	10/11/2002			68.04	---	---	3096.14	
	12/26/2002			68.03	---	---	3096.15	
	2/17/2003			68.03	---	---	3096.15	
	5/29/2003			68.38	---	---	3095.80	
	8/22/2003			67.99	---	---	3096.19	
	11/5/2003			67.99	---	---	3096.19	
	2/3/2004			67.92	---	---	3096.26	
	5/5/2004			67.88	---	---	3096.30	
	8/2/2004			67.78	---	---	3096.40	
	11/23/2004			67.31	---	---	3096.87	
	2/9/2005			67.17	---	---	3097.01	59'-74'
	8/4/2005			63.13	---	---	3101.05	
	2/22/2006		77.00	66.72	---	---	3097.46	
	8/24/2006		77.00	66.93	---	---	3097.25	
	2/27/2007			66.58	---	---	3,097.60	
	8/27/2007			66.35	---	---	3,097.83	
	2/18/2008		77.00	66.35	---	---	3,097.83	
	8/11/2008		77.00	66.39	---	---	3097.79	
	2/16/2009			66.94	---	---	3097.24	
	7/27/2009			67.04	---	---	3097.14	
	2/22/2010			67.10	---	---	3097.08	
	7/26/2010			67.32	---	---	3096.86	

TABLE I

GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL *TOC elev*[1]	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL[2])	Screen interval (bgs[3])
MW-07	2/7/2001	2	73.45	67.25	---	---	3094.81	
3,162.06	4/30/2002			67.50	---	---	3094.56	
	10/11/2002			67.53	---	---	3094.53	
	12/26/2002			67.53	---	---	3094.53	
	2/17/2003			67.53	---	---	3094.53	
	5/29/2003			67.61	---	---	3094.45	
	8/22/2003			67.49	---	---	3094.57	
	11/5/2003			67.47	---	---	3094.59	
	2/3/2004			67.46	---	---	3094.60	
	5/5/2004			67.44	---	---	3094.62	
	8/2/2004			67.34	---	---	3094.72	
	11/23/2004			67.02	---	---	3095.04	
	2/9/2005			67.74	---	---	3094.32	55'-70'
	8/4/2005			66.62	---	---	3095.44	
	2/22/2006		72.56	66.31	---	---	3095.75	
	8/24/2006		72.56	66.37	---	---	3095.69	
	2/27/2007			66.05	---	---	3,096.01	
	8/23/2007			65.87	---	---	3,096.19	
	2/18/2008		72.55	65.88	---	---	3,096.18	
	8/11/2008		72.55	65.91	---	---	3096.15	
	2/16/2009			66.35	---	---	3095.71	
	7/27/2009			66.51	---	---	3095.55	
	2/22/2010			66.70	---	---	3095.36	
	7/26/2010			66.86	---	---	3095.20	
MW-08	2/3/1999	2	70.66	68.21	---	---	3091.45	
3,159.66	2/7/2001			68.30	---	---	3091.36	
	4/30/2002			68.42	---	---	3091.24	
	10/11/2002			68.30	---	---	3091.36	
	12/26/2002			68.30	---	---	3091.36	
	2/17/2003			68.30	---	---	3091.36	
	5/29/2003			68.36	---	---	3091.30	
	8/22/2003			68.26	---	---	3091.40	
	11/5/2003			68.26	---	---	3091.40	
	2/3/2004			68.24	---	---	3091.42	
	5/5/2004			68.24	---	---	3091.42	
	8/2/2004			68.17	---	---	3091.49	
	11/23/2004			67.72	---	---	3091.94	50'-70'
	2/9/2005			67.41	---	---	3092.25	
	8/4/2005			67.39	---	---	3092.27	
	2/22/2006		73.40	67.04	---	---	3092.62	
	8/24/2006		73.40	67.29	---	---	3092.37	
	2/27/2007			66.87	---	---	3,092.79	
	8/23/2007			66.77	---	---	3,092.89	
	2/18/2008		73.40	66.79	---	---	3,092.87	
	8/11/2008		73.40	66.81	---	---	3092.85	
	2/16/2009			67.31	---	---	3092.35	
	7/27/2009			67.40	---	---	3092.26	
	2/22/2010			67.53	---	---	3092.13	
	7/26/2010			67.65	---	---	3092.01	
MW-09	4/30/2002	2	70.39	63.65	---	---	3103.42	
3,167.07	10/11/2002			63.59	---	---	3103.48	
	12/26/2002			63.59	---	---	3103.48	
	2/17/2003			63.60	---	---	3103.47	
	5/29/2003			63.73	---	---	3103.34	
	8/22/2003			63.56	---	---	3103.51	
	11/5/2003			63.55	---	---	3103.52	
	2/3/2004			63.47	---	---	3103.60	
	5/5/2004			63.27	---	---	3103.80	
	8/2/2004			63.24	---	---	3103.83	
	11/23/2004			62.40	---	---	3104.67	
	2/9/2005			62.50	---	---	3104.57	55'-70'
	8/4/2005			62.89	---	---	3104.18	
	2/23/2006		69.60	62.48	---	---	3104.59	
	8/25/2006		69.6	62.68	---	---	3104.39	
	2/27/2007			62.23	---	---	3,104.84	
	8/23/2007			61.88	---	---	3,105.19	
	2/18/2008		69.59	61.9	---	---	3,105.17	
	8/11/2008		69.59	61.91	---	---	3105.16	
	2/16/2009			62.33	---	---	3104.74	
	7/27/2009			62.42	---	---	3104.65	
	2/22/2010			62.33	---	---	3104.74	
	7/26/2010			62.53	---	---	3104.54	

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GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL *TOC elev*[1]	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL[2])	Screen interval (bgs[3])
MW-10	4/30/2002	2	69.16	70.35	---	---	3100.64	
3,170.99	10/11/2002			70.49	---	---	3100.50	
	12/26/2002			70.50	---	---	3100.49	
	2/17/2003			70.50	---	---	3100.49	
	5/29/2003			70.37	---	---	3100.62	
	8/22/2003			70.47	---	---	3100.52	
	11/5/2003			70.49	---	---	3100.50	
	2/3/2004			70.43	---	---	3100.56	
	5/5/2004			70.38	---	---	3100.61	
	8/2/2004			70.26	---	---	3100.73	
	11/23/2004			69.78	---	---	3101.21	
	2/9/2005			NG	---	---	---	54'-69'
	8/4/2005			69.89	---	---	3101.10	
	2/22/2006		71.95	69.59	---	---	3101.40	
	8/25/2006		71.95	69.65	---	---	3101.34	
	2/27/2007			69.29	---	---	3,101.70	
	8/23/2007			69.06	---	---	3,101.93	
	2/18/2008		71.94	69.06	---	---	3,101.93	
	8/11/2008		71.94	69.05	---	---	3101.94	
	2/16/2009			69.74	---	---	3101.25	
	7/27/2009			69.27	---	---	3101.72	
	2/22/2010			69.30	---	---	3101.69	
	7/26/2010			69.40	---	---	3101.59	
MW-11	4/30/2002	2	72.78	DRY	---	---	DRY	
3,168.24	10/11/2002			DRY	---	---	DRY	
	12/26/2002			DRY	---	---	DRY	
	2/17/2003			DRY	---	---	DRY	
	5/29/2003			DRY	---	---	DRY	
	8/22/2003			DRY	---	---	DRY	
	11/5/2003			DRY	---	---	DRY	
	2/3/2004			DRY	---	---	DRY	
	5/5/2004			DRY	---	---	DRY	
	8/2/2004			DRY	---	---	DRY	
	11/23/2004			DRY	---	---	DRY	
	2/9/2005			DRY	---	---	DRY	
	8/4/2005			61.91	---	---	3106.33	58'-73'
	2/22/2006		75.45	74.71	---	---	3093.53	
	8/24/2006		75.45	74.71	---	---	3093.53	
	2/27/2007			74.51	---	---	3,093.73	
	8/23/2007			74.38	---	---	3,093.86	
	2/18/2008		75.45	74.21	---	---	3,094.03	
	8/11/2008		75.44	74.38	---	---	3093.86	
	2/16/2009			74.46	---	---	3093.78	
	7/27/2009			74.45	---	---	3093.79	
	2/22/2010			74.52	---	---	3093.72	
	7/26/2010			74.61	---	---	3093.63	
MW-12	4/30/2002	2	74.37	72.80	---	---	3079.68	
3,152.48	10/11/2002			72.81	---	---	3079.67	
	12/26/2002			72.82	---	---	3079.66	
	2/17/2003			72.82	---	---	3079.66	
	5/29/2003			72.77	---	---	3079.71	
	8/22/2003			72.81	---	---	3079.67	
	11/5/2003			72.81	---	---	3079.67	
	2/3/2004			72.83	---	---	3079.65	
	5/5/2004			72.78	---	---	3079.70	
	8/2/2004			72.81	---	---	3079.67	
	11/23/2004			72.69	---	---	3079.79	
	2/9/2005			72.83	---	---	3079.65	59'-74'
	8/4/2005			72.48	---	---	3080.00	
	2/22/2006		77.60	72.15	---	---	3080.33	
	8/24/2006		77.60	71.91	---	---	3080.57	
	2/27/2007			71.75	---	---	3,080.73	
	8/23/2007			71.51	---	---	3,080.97	
	2/18/2008		77.60	71.42	---	---	3,081.06	
	8/11/2008		77.60	71.46	---	---	3081.02	
	2/16/2009			73.13	---	---	3079.35	
	7/27/2009			71.59	---	---	3080.89	
	2/22/2010			71.94	---	---	3080.54	
	7/26/2010			72.21	---	---	3080.27	

TABLE I

GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL *TOC elev*[1]	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL[2])	Screen interval (bgs[3])
MW-13	4/30/2002	2	67.90	66.97	—	—	3087.95	
3,154.92	10/11/2002			66.38	---	---	3088.54	
	12/26/2002			66.37	—	—	3088.55	
	2/17/2003			66.37	—	—	3088.55	
	5/29/2003			66.68	---	---	3088.24	
	8/22/2003			67.06	---	---	3087.86	
	11/5/2003			67.36	—	—	3087.56	
	2/3/2004			67.11	---	---	3087.81	
	5/5/2004			67.05	—	—	3087.87	
	8/2/2004			67.21	—	—	3087.71	
	11/23/2004			66.82	—	—	3088.10	
	2/9/2005			66.50	—	—	3088.42	53'-68'
	8/4/2005			66.11	—	—	3088.81	
	2/22/2006		70.54	65.73	---	---	3089.19	
	8/24/2006		70.54	65.45	---	---	3089.47	
	2/27/2007			65.22	---	---	3,089.70	
	8/23/2007			65.06	—	—	3,089.86	
	2/18/2008		70.54	65.10	—	—	3,089.82	
	8/11/2008		70.54	65.12	---	---	3089.80	
	2/16/2009			64.74	---	---	3090.18	
	7/27/2009			64.89	---	---	3090.03	
	2/22/2010			65.19	---	---	3089.73	
	7/26/2010			65.45	---	---	3089.47	
MW-14	11/5/2003	2	92.43	71.60	---	---	3080.31	
3,151.91	2/3/2004			71.62	---	---	3080.29	
	5/5/2004			71.67	---	---	3080.24	
	8/2/2004			71.69	---	---	3080.22	
	11/23/2004			71.60	—	---	3080.31	
	2/9/2005			71.30	—	---	3080.61	
	8/4/2005			70.90	---	---	3081.01	
	2/22/2006		92.30	70.49	---	---	3081.42	
	8/24/2006		92.3	70.24	---	---	3081.67	79.5'-89.5'
	2/27/2007			70.05	—	---	3,081.86	
	8/23/2007			69.78	—	---	3,082.13	
	2/18/2008		92.29	69.68	—	---	3,082.23	
	8/11/2008		92.30	69.72	—	—	3082.19	
	2/16/2009			69.31	---	---	3082.60	
	7/27/2009			69.37	---	---	3082.54	
	2/22/2010			69.65	—	---	3082.26	
	7/26/2010			69.95	—	—	3081.96	
MW-15	11/5/2003	2	87.45	DRY	---	---	DRY	
3,152.48	2/3/2004			DRY	---	---	DRY	
	5/5/2004			DRY	---	---	DRY	
	8/2/2004			DRY	—	—	DRY	
	11/23/2004			DRY	—	—	DRY	
	2/9/2005			DRY	—	—	DRY	
	8/4/2005			86.91	—	—	3065.57	
	2/22/2006		87.40	86.54	---	---	3065.94	
	8/24/2006		87.40	86.34	---	---	3065.66	64.5'-84.5'
	2/27/2007			85.73	---	---	3,066.75	
	8/23/2007			85.26	—	—	3,067.22	
	2/18/2008		87.40	81.90	—	—	3,070.58	
	8/11/2008		87.42	81.99	---	---	3070.49	
	2/16/2009			77.83	---	---	3074.65	
	7/27/2009			77.19	---	---	3075.29	
	2/22/2010			77.06	---	---	3075.42	
	7/26/2010			77.05	---	---	3075.43	
MW-16	11/5/2003	2	77.22	65.68	---	---	3091.57	
3,157.25	2/3/2004			68.67	---	---	3088.58	
	5/5/2004			68.69	---	---	3088.56	
	8/2/2004			68.65	---	---	3088.60	
	11/23/2004			68.10	—	—	3089.15	
	2/9/2005			67.53	---	---	3089.72	
	8/4/2005			67.77	---	---	3089.48	
	2/22/2006		74.42	67.24	---	---	3090.01	
	8/24/2006		74.42	67.66	---	---	3089.59	59.5'-74.5'
	2/27/2007			67.09	—	—	3,090.16	
	8/23/2007			67.10	---	---	3,090.15	
	2/18/2008		74.42	67.03	—	—	3,090.22	
	8/11/2008		74.42	67.09	—	—	3090.16	
	2/16/2009			67.85	---	---	3089.40	
	7/27/2009			67.92	---	---	3089.33	
	2/22/2010			68.10	—	—	3089.15	
	7/26/2010			68.20	—	—	3089.05	

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GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL *TOC elev*[1]	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL[2])	Screen interval (bgs[3])
MW-17	11/5/2003	2	79.37	69.51	—	—	3088.86	
3,158.37	2/3/2004			69.53	—	—	3088.84	
	5/5/2004			69.52	—	—	3088.85	
	8/2/2004			70.12	---	---	3088.25	
	11/23/2004			69.31	---	---	3089.06	
	2/9/2005			69.04	---	—	3089.33	
	8/4/2005			68.90	—	—	3089.47	
	2/22/2006		80.10	68.72	---	---	3089.65	
	8/24/2006		80.10	68.78	---	---	3089.59	57'-77'
	2/27/2007			68.55	---	—	3,089.82	
	8/23/2007			68.50	---	---	3,089.87	
	2/18/2008		80.10	68.41	—	—	3,089.96	
	8/11/2008		80.10	68.43	---	---	3089.94	
	2/16/2009			68.87	---	---	3089.50	
	7/27/2009			68.99	---	---	3089.38	
	2/22/2010			69.14	—	—	3089.23	
	7/26/2010			69.22	---	---	3089.15	
MW-18	11/23/2004	2	76.98	DRY	---	---	DRY	
3,151.08	2/9/2005			DRY	---	---	DRY	
	8/4/2005			DRY	—	—	DRY	
	2/22/2006		78.43	DRY	—	—	DRY	
	8/24/2006		78.43	DRY	---	---	DRY	
	2/27/2007			DRY	—	—	DRY	
	8/23/2007			DRY	—	—	DRY	54.5'-74.5
	2/18/2008		78.44	DRY	---	---	DRY	
	8/11/2008		78.44	DRY	---	---	DRY	
	2/16/2009			DRY	---	---	DRY	
	7/27/2009			DRY	—	—	DRY	
	2/22/2010			DRY	---	---	DRY	
	7/26/2010			DRY	—	—	DRY	
MW-19	11/23/2004	2	104.41	72.63	---	---	3075.16	
3,147.79	2/9/2005			72.36	---	—	3075.43	
	8/4/2005			72.18	—	—	3075.61	
	2/22/2006		105.55	71.83	---	—	3075.96	
	8/24/2006		105.55	71.57	---	---	3076.22	
	2/27/2007			71.28	---	---	3,076.51	
	8/23/2007			70.75	---	---	3,077.04	82.5'-102.5'
	2/18/2008		105.53	70.29	—	—	3,077.50	
	8/11/2008		105.50	70.33	---	---	3077.46	
	2/16/2009			71.54	—	—	3076.25	
	7/27/2009			70.71	---	---	3077.08	
	2/22/2010			69.91	---	---	3077.88	
	7/26/2010			70.15	—	---	3077.64	
MW-20	11/23/2004	2	94.94	81.81	---	---	3069.75	
3,151.56	2/9/2005			81.85	---	—	3069.71	
	8/4/2005			81.81	---	---	3069.75	
	2/22/2006		92.23	81.71	—	—	3069.85	
	8/24/2006		92.23	81.66	---	---	3069.90	
	2/27/2007			81.39	—	—	3,070.17	
	8/23/2007			81.20	---	—	3,070.36	72.5'-92.5'
	2/18/2008		92.21	80.93	—	—	3,070.63	
	8/11/2008		92.20	80.96	---	---	3070.60	
	2/16/2009			80.58	---	---	3070.98	
	7/27/2009			80.42	---	---	3071.14	
	2/22/2010			80.35	—	---	3071.21	
	7/26/2010			80.39	—	---	3071.17	
MW-21	11/20/2007	2	99.00	71.05	---	---	3,074.82	
3,145.87	2/18/2008		98.60	70.96	---	---	3,074.91	
	8/11/2008		98.60	71.01	—	—	3,074.86	
	2/16/2009			70.78	—	—	3,075.09	67'-97'
	7/27/2009			70.71	---	—	3,075.16	
	2/22/2010			70.83	---	---	3,075.04	
	7/26/2010			71.03	—	—	3,074.84	
MW-22	11/20/2007	2	68.95	62.35	---	—	3,108.29	
3,170.64	2/18/2008		68.60	62.59	---	---	3,108.05	
	8/11/2008		68.60	62.62	---	---	3,108.02	
	2/16/2009			62.68	---	---	3,107.96	46.5'-66.5'
	7/27/2009			62.90	---	---	3,107.74	
	2/22/2010			62.74	---	---	3,107.90	
	7/26/2010			62.80	---	—	3,107.84	

TABLE I

GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL *TOC elev*[1]	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL[2])	Screen interval (bgs[3])
WW-1	4/30/2002			70.21	---	---	3100.00	
3,170.21	10/11/2002			69.71	—	—	3100.50	
	12/26/2002			69.70	---	---	3100.51	
	2/17/2003			69.70	—	—	3100.51	
	5/29/2003			67.37	---	---	3102.84	
	8/22/2003			70.27	---	---	3099.94	
	11/5/2003			70.23	—	—	3099.98	
	2/3/2004			70.31	---	---	3099.90	
	5/5/2004			70.23	---	---	3099.98	
	8/2/2004			69.47	—	—	3100.74	
	11/23/2004			69.92	---	---	3100.29	
	2/9/2005			69.75	---	—	3100.46	
	8/4/2005			69.89	—	—	3100.32	–
	2/22/2006			69.51	---	—	3100.70	
	8/25/2006		192.00	69.50	---	—	3100.71	
	2/27/2007			69.20	---	—	3,101.01	
	8/23/2007			68.99	---	---	3,101.22	
	2/18/2008		192.00	69.00	---	—	3,101.21	
	8/11/2008		191.98	68.95	—	—	3,101.26	
	2/16/2009			69.00	---	---	3,101.21	
	7/27/2009			69.00	—	—	3,101.21	
	2/22/2010			68.89	---	—	3,101.32	
	7/26/2010			NG	---	---	—	
West MW	8/22/1997	2	70.43	62.58	---	—	3101.86	
3,164.44	2/4/1998			62.50	—	—	3101.94	
	10/19/2000			62.37	---	---	3102.07	
	2/7/2001			62.43	---	---	3102.01	
	4/30/2002			62.37	---	—	3102.07	
	10/11/2002			62.35	---	—	3102.09	
	12/26/2002			62.34	---	—	3102.10	
	2/17/2003			62.34	---	—	3102.10	
	5/29/2003			62.22	---	---	3102.22	
	8/22/2003			62.35	---	—	3102.09	
	11/5/2003			62.31	---	---	3102.13	
	2/3/2004			62.27	—	—	3102.17	
	5/5/2004			62.11	—	—	3102.33	
	8/2/2004			62.01	---	—	3102.43	
	11/23/2004			61.40	—	—	3103.04	–
	2/9/2005			61.30	---	---	3103.14	
	8/4/2005			61.61	---	---	3102.83	
	2/23/2006		67.28	61.24	—	—	3103.20	
	8/25/2006		67.28	61.43	---	---	3103.01	
	2/27/2007			61.03	—	—	3,103.41	
	8/23/2007			60.74	---	---	3,103.70	
	2/18/2008		67.28	60.97	---	---	3,103.47	
	8/11/2008		67.28	61.06	—	—	3,103.38	
	2/16/2009			61.27	—	—	3,103.17	
	7/27/2009			61.42	—	—	3,103.02	
	2/22/2010			61.26	—	—	3,103.18	
	7/26/2010			61.62	---	---	3,102.82	

TABLE I

GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

WELL *TOC elev*[1]	DATE	Well Diameter (inches)	Total Depth (ft below TOC)	Depth to Water (ft below TOC)	Depth to LNAPL (ft below TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL[2])	Screen interval (bgs[3])
Southwest MW	8/22/1997	2	70.45	63.25	---	---	3101.29	
3,164.54	2/4/1998			63.21	---	---	3101.33	
	10/19/2000			63.06	---	---	3101.48	
	2/7/2001			63.10	---	---	3101.44	
	4/30/2002			63.06	---	---	3101.48	
	10/11/2002			62.72	---	---	3101.82	
	12/26/2002			62.70	---	---	3101.84	
	2/17/2003			62.70	---	---	3101.84	
	5/29/2003			62.92	---	---	3101.62	
	8/22/2003			63.04	---	---	3101.50	
	11/5/2003			63.03	---	---	3101.51	
	2/3/2004			62.99	---	---	3101.55	
	5/5/2004			62.90	---	---	3101.64	
	8/2/2004			62.71	---	---	3101.83	
	11/23/2004			62.17	---	---	3102.37	--
	2/9/2005			62.05	---	---	3102.49	
	8/4/2005			62.33	---	---	3102.21	
	2/23/2006		70.16	61.98	---	---	3102.56	
	8/25/2006		70.16	62.17	---	---	3102.37	
	2/27/2007			61.78	---	---	3,102.76	
	8/23/2007			61.52	---	---	3,103.02	
	2/18/2008		70.16	61.9	---	---	3,102.64	
	8/11/2008		70.16	61.93	---	---	3,102.61	
	2/16/2009			62.10	---	---	3,102.44	
	7/27/2009			62.19	---	---	3,102.35	
	2/22/2010			62.00	---	---	3,102.54	
	7/26/2010			62.64	---	---	3,101.90	
RW-1	1/14/1999	4	76.30	50.85	---	---	3112.67	
3,163.52	10/19/2000			62.33	---	---	3101.19	
	4/30/2002			62.28	---	---	3101.24	
	10/11/2002			62.27	---	---	3101.25	
	12/26/2002			62.26	---	---	3101.26	
	2/17/2003			62.26	---	---	3101.26	
	5/29/2003			62.34	---	---	3101.18	
	8/22/2003			62.25	---	---	3101.27	
	11/5/2003			62.25	---	---	3101.27	
	2/3/2004			62.20	---	---	3101.32	
	5/5/2004			62.12	---	---	3101.40	
	8/2/2004			61.96	---	---	3101.56	
	11/23/2004			61.46	---	---	3102.06	53'-73'
	2/9/2005			61.30	---	---	3102.22	
	8/4/2005			61.51	---	---	3102.01	
	2/23/2006		75.45	61.20	---	---	3102.32	
	8/25/2006		75.45	61.36	---	---	3102.16	
	2/27/2007			62.44	---	---	3,101.08	
	8/23/2007			NG	---	---	---	
	2/18/2008			NG	---	---	---	
	2/16/2009			NG	---	---	---	
	7/27/2009			NG	---	---	---	
	2/22/2010			NG	---	---	---	
	7/26/2010			NG	---	---	---	

Notes:
[1]TOC - Top of Casing
[2]MSL - Mean Sea Level
[3]BGS - Below ground surface
[4]NG - Not Gauged
[5]Professional Survey conducted by Piper Surveying Company in February & July 1998, October 2001, October 2003, & December 2004.
[6]

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-1	8/22/97	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/17/98	<2.0	220	233	--	--	92	--	--	--	--	812	276	--
	2/7/01	<1.0	136	440	2.1	2.8	70	15.7	55.8	11.4	115	1,200	--	--
	5/3/02	<1.0	144	428	1.6	3.06	72.5	103	38.7	8.68	105	--	--	<1.00
	10/11/02	<0.1	155	230	---	---	109	69.3	24.8	7.45	125	737	---	<0.10
	12/27/02	<0.1	149	248	---	---	109	76.6	27.4	5.16	129	728	---	<0.10
	2/18/03	<0.1	147	213	---	---	114	59.1	21.4	5.06	116	713	---	<0.10
	6/2/03	<1.0	132	434	1.77	2.99	73.3	135	47.8	8.62	118	1,320	---	<1.00
	8/25/03	<1.0	144	279	1.76	3.39	73.3	92.7	31.3	7.17	118	856	---	<1.00
	11/5/03	<1.0	162	330	1.94	3.42	78.9	110	37.7	9.03	114	994	---	<1.00
	2/4/04	<1.0	142	390	1.92	3.25	71.1	117	43.2	10.2	113	940	---	<1.00
	5/6/04	<1.00	260	403	1.9	4.8	135	60.2	18.3	8.93	302	1,316	---	<1.00
	8/3/04	<0.1	155	222	---	---	83.2	64.1	30.8	6.41	127	431	---	<0.10
Dup	8/3/04	<0.1	158	301	---	---	104	101	45.5	672	436	605	---	<0.10
	2/11/05	<1.00	146	289	2.68	4.3	79.2	97.9	33.5	8.18	108	840	---	<1.00
	8/5/05	<1.00	156	245	2.08	4.34	89.6	75.5	26.7	6.99	125	856	---	<1.00
	2/22/06	<10.0	160	180	1.6	3.5	83	55.9	18.7	5.19	104	707	---	<10.0
Dup	2/22/06	<10.0	170	160	1.6	3.5	85	57.9	20	5.23	102	840	---	<10.0
	8/24/06	<10.0	300	180	<2.5	3.11	81	57.4	19.3	4.36	107	660	---	<10.0
	2/28/07	<10	170	170	1.8	3.6	81	54.6	18.2	<5.0	103	650	---	<10
	8/23/2007	<10	138	420	1.40	2.80	76.0	102	34.8	5.37	101	1,810	--	138
	2/20/08	<5.0	166	300	1.9	2.92	82.1	111	39.7	7.34	104	860	---	<5.0
	8/12/08	<1.53	212.0	217	1.48	3.06	79.6	57.8	19.5	5.2	114.0	692	---	<1.53
	2/19/09	<5.0	160.0	150	2.00	3.00	84.0	55.0	19.0	5.3	120.0	610	---	<5.0
	7/29/09	<5.0	79.0	150	0.95	1.40	41.0	67.0	24.0	5.9	110.0	500	---	<5.0
	2/25/10	<5	172.0	167	1.79	3.23	83.1	57.5	21.2	4.3	105.0	684	---	<5.0
Dup	2/25/10	<5	192.0	157	1.68	<0.100	83.9	52.6	17.6	4.3	103.0	544	---	<5.1
	7/28/10	<5	168.0	147	1.88	2.56	84.8	51.1	17.1	3.8	91.6	564	---	<5.0
MW-2	8/22/97	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/17/98	<2.0	360	423	--	--	141	--	--	--	--	1,257	124	--
	2/7/01	<1.0	234	570	2.7	5	130	124	40.7	10.9	359	1,500	--	--
	05/03/02	<1.0	262	349	2.28	5.36	148	21	6.18	8.52	315	--	--	<1.00
	10/11/02	10	250	337	---	---	176	18.1	4.92	7.49	329	1,120	---	<0.10
	12/27/02	12	238	319	---	---	142	17.8	5.16	6.1	339	1,110	---	<0.10
	2/18/03	<0.1	228	310	---	---	178	19.4	6.02	6.3	331	1,070	---	<0.10
	6/2/03	<1.0	206	769	2.05	4.43	115	176	52.6	9.94	383	1,955	---	<1.00

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-2	8/25/03	<1.0	242	374	2.07	5.14	142	36.1	10.8	8.49	333	1,240	---	<1.00
(Cont.)	11/5/03	<1.0	232	498	2.21	5.13	145	68.7	21.1	10.1	327	1,354	---	<1.00
	2/4/04	<1.0	230	450	2.06	4.97	131	76.1	25.2	10.7	324	1,424	---	<1.00
	5/6/04	<1.00	150	341	1.79	3.23	75.3	108	38.5	8.38	102	984	---	<1.00
	8/3/04	<0.1	236	496	---	---	144	50.8	34.7	11	472	811	---	<0.10
	2/11/05	<1.00	220	604	2.79	5.48	130	103	34.5	11.3	324	1,462	---	<1.00
	8/5/05	<1.00	228	404	2.24	5.7	154	34.5	10.3	10.7	341	1,120	---	<1.00
	2/22/06	<10.0	250	320	1.7	5.1	150	19.5	5.84	6.15	259	1,150	---	<10.0
	8/24/06	<10.0	250	290	<2.5	3.78	140	26.3	7.7	4.23	298	1,610	---	<10.0
	2/28/07	<10	260	280	2.1	5.4	140	20.9	6.01	6.74	278	950	---	<10
	8/23/07	<10	226	290	1.70	5.30	140.0	19	5.6	<5	303	1,280	--	226
	2/20/08	<5	223	441	1.94	5.11	143	242	83.2	11.8	329	1,190	---	<5
	8/12/08	<1.53	287.0	331	1.54	5.39	144.0	20.6	5.8	6.5	308.0	1,080	---	<1.53
	2/19/09	<5	240.0	310	1.80	5.30	160.0	21.0	6.1	7.2	350.0	1,100	---	<5
	7/29/09	<5	200.0	730	1.50	4.60	130.0	16.0	4.6	3.1	160.0	1,900	---	<5
	2/25/10	<5	255.0	380	1.39	5.78	157.0	27.4	8.5	4.7	333.0	1,130	---	<5
	7/28/10	<5	275.0	273	1.58	4.68	167.0	20.8	5.6	4.3	354.0	1,010	---	<5
MW-3	8/22/97	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/17/98	<2.0	410	983	--	--	173	--	--	--	--	2,261	232	--
	2/7/01	8.0	278	890	3.4	7.3	200	56.7	18.7	20.4	648	2,100	---	--
	05/02/02	<1.0	298	735	2.84	7.57	213	27.5	8.39	24.7	42.8	--	--	<1.00
	05/03/02	<1.0	146	767	2.9	7.39	207	37.9	11.5	25.5	28.2	--	--	<1.00
	10/11/02	<0.1	288	753	---	---	272	29	9.18	20.6	622	1,960	---	<0.10
	12/27/02	<0.1	288	727	---	---	231	27	7.34	19.9	698	1,950	---	<0.10
	2/18/03	<0.1	277	762	---	---	180	25.2	7.84	16.4	580	1,950	---	<0.10
	6/2/03	<1.0	270	802	3.07	8.06	203	64.9	20	18.5	728	2,720	---	<1.00
	8/26/03	<1.0	282	799	3	7.99	198	54.9	18	16.4	597	2,320	---	<1.00
	11/6/03	<1.0	286	746	2.92	7.26	214	37.4	11.1	24.9	577	2,092	---	<1.00
Dup	11/6/03	<1.0	132	521	1.85	2.92	98.1	120	39.5	9.15	200	1,392	---	<1.00
	2/4/04	<1.0	296	755	2.74	7.36	205	42.7	13.1	27.1	546	2,275	---	<1.00
	5/7/04	<1.00	300	774	2.57	7.02	197	38.8	11.2	22.2	528	2,140	---	<1.00
	8/3/04	<0.1	291	798	---	---	155	21.5	16.7	25.8	794	1,640	---	<0.10
	2/11/05	<1.00	292	879	4.61	9.47	196	47	14.5	19.1	590	2,240	---	<1.00
	8/4/05	<1.00	282	922	2.86	8.17	217	48	14.7	21.1	630	1,950	---	<1.00
	2/22/06	<10.0	250	1100	1.6	8.5	190	46.8	15.3	15.1	446	3,860	---	<10.0
	8/24/06	<10	260	750	2.6	6.43	190	25.3	7.68	11.9	565	1,990	---	<10.0

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-3	2/28/07	<10	270	850	2.2	8.5	190	30.7	9.02	18	516	1,800	---	<10
(Cont.)	8/23/2007	<10	204	1,000	1.50	9.50	190.0	228	80	<50	673	2,330	---	204
	2/20/08	<5	246	1,070	3.18	8.38	222	79.7	26.2	19.1	721	2,480	---	<5
	8/13/08	<5	222.0	1,180	2.59	8.27	210.0	46.8	14.3	17.5	896.0	2,700	---	<5
	02/19/09	<5	220.0	1,300	2.00	7.80	220.0	50.0	16.0	20.0	920.0	2,800	---	<5
	7/29/09	<5	190.0	1,600	1.60	7.60	210.0	140.0	47.0	26.0	770.0	3,400	---	<5
	2/24/10	<5	237.0	1,380	1.49	8.81	248.0	65.0	17.5	15.1	938.0	2,670	---	<5
	7/28/10	<5	221.0	1,230	1.68	7.12	259.0	84.8	24.6	14.1	857.0	2,680	---	<5
MW-4	8/22/97	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/17/98	<2.0	510	372	--	--	136	--	--	--	--	1,268	---	--
	2/7/01	<1.0	286	1,200	1.7	4.7	100	248	84.7	24	506	2,600	--	--
	05/03/02	<1.0	250	868	1	4.72	163	137	48.4	40.7	441	--	--	<1.00
	10/14/02	<0.1	342	381	--	--	124	9.39	2.48	38.4	405	1,220	--	<0.10
Dup	10/14/02	<0.1	358	372	--	--	116	8.82	2.38	37.4	409	1,260	--	<0.10
	12/27/02	<0.1	288	505	---	---	114	21.2	4.42	50.6	461	1,450	---	<0.10
Dup	12/27/02	<0.1	158	115	--	--	139	55.5	23	4.94	94.4	594	--	<0.10
	2/18/03	<0.1	264	691	---	---	118	32.2	7.5	59	474	1,610	---	<0.10
	5/30/03	<1.0	236	1,020	<2.00	5.53	79.6	113	29.7	59.8	664	2,670	---	<1.00
	8/25/03	<1.0	192	1,170	<2.00	5.43	72.9	143	35	82.1	616	2,935	---	<1.00
	11/7/03	<1.0	194	1,620	<2.00	5.48	76.6	228	61.4	83.6	629	3,035	---	<1.00
	2/5/04	<1.0	170	1,730	<2.00	5.93	79	277	75.9	108	630	3,380	---	<1.00
	5/6/04	<1.00	158	2,150	<3.00	5.94	88.2	407	99.9	99.7	593	4,090	---	<1.00
	8/3/04	<0.1	150	2,730	---	---	125	632	191	124	832	6,810	---	<0.10
	2/11/05	<1.00	136	4,520	<1.00	5.19	127	1060	289	156	983	9,030	---	<1.00
	8/4/05	<1.00	132	6,580	<1.00	5.34	166	1650	375	142	1440	13,200	---	<1.00
	2/23/06	<10.0	130	9,100	<2.5	10	220	1510	326	141	1070	17,900	---	<10.0
	8/25/06	<10.0	140	12,000	<5	6.13	290	1550	364	136	1890	17,500	---	<10.0
	2/28/07	<10	170	10,000	<250	<200	<2000	1550	310	160	1520	21,800	---	<10
	8/21/2007	<10	167	10,000	0.30	9	490.0	1630	443	112	3080	26,000	---	167
	2/20/08	<5	210	8,220	1.33 B	6.05	587	1200	372	143	3160	18,200	---	<5
	8/13/08	<5	263.0	6,270	<1.5	6.64	607.0	770.0	209.0	97.3	2510.0	15,100	---	<5
	02/19/09	<5	300.0	4,900	<0.50	5.60	620.0	580.0	160.0	72.0	2200.0	11,000	---	<5
	7/29/09	<5	320.0	3,700	<0.50	6.40	580.0	380.0	110.0	63.0	1800.0	8,400	---	<5
	2/25/10	<5	338.0	3,590	0.23	5.94	478.0	378.0	107.0	40.0	1830.0	7,940	---	<5
	7/28/10	<5	283.0	3,840	0.45	4.00	419.0	273.0	62.8	30.4	1840.0	8,820	---	<5

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-5	8/22/97	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/17/98	<2.0	360	408	--	--	151	--	--	--	--	1,219	116	--
	2/7/01	<1.0	214	570	1.6	4.8	140	123	40.8	20.3	331	1,500	--	--
	05/03/02	<1.0	238	335	0.96	5.36	162	37.3	11.1	27.3	287	--	--	<1.00
	10/11/02	<0.1	232	337	---	---	173	31.8	10	20.7	305	1,100	---	<0.10
	12/27/02	<0.1	232	337	---	---	171	31.3	8.55	20.6	319	1,210	---	<0.10
	2/18/03	<0.1	210	319	---	---	176	27.2	8.48	16.5	231	1,110	---	<0.10
	6/2/03	<1.0	196	588	1.23	4.86	142	132	40.5	21.2	364	1,644	---	<0.10
	8/26/03	<1.0	210	447	1.32	4.85	141	95.1	29	23.4	291	1,480	---	<1.00
	11/6/03	<1.0	214	456	1.43	5.11	152	94	29.3	24.8	282	1,430	---	<1.00
	2/4/04	<1.0	206	504	1.38	5.31	147	95.1	31.4	27.3	289	1,410	---	<1.00
	5/7/04	<1.00	222	381	1.02	5.98	151	55.9	16.3	25.7	301	1,250	---	<1.00
Dup	5/7/04	<1.00	242	330	1.04	5.75	152	50.7	14.6	27.4	292	1,168	---	<1.00
	8/3/04	<0.1	229	461	---	---	155	47.9	31.3	31.1	435	968	---	<0.10
	2/11/05	<1.0	288	408	2.58	8.36	243	46.2	13.3	30.6	433	1,598	---	<1.0
	8/4/05	<1.00	256	423	1.83	6.82	201	60.5	18.6	20.3	354	1,334	---	<1.00
DUP1	8/4/05	<1.00	242	394	1.82	6.74	200	49.2	14.8	21.5	341	1,220	---	<1.00
	2/22/06	<10.0	220	800	1.3	6.6	160	222	69.4	14	274	2,670	---	<10.0
	8/24/06	<10.0	190	930	<5	5.09	140	145	47.6	13.1	295	1,280	---	<10.1
	2/28/07	<10	300	730	3.5	5.2	340	36.9	10.6	18.4	301	1,310	---	<10.2
	8/23/2007	<10	115	360	1.80	5.20	170.0	50.1	18.4	16.4	291	2,500	---	<10.3
	2/20/08	<5	255	505	2.9	5.61	168	127	42.1	19.6	353	1,500	---	<10.4
	8/13/08	<5	220.0	438	1.77	6.20	191.0	62.8	19.3	23.9	362.0	1,300	---	<10.5
	02/19/09	<5	220.0	390	1.60	6.20	200.0	63.0	19.0	25.0	310.0	1,200	---	<10.6
	7/29/09	<5	210.0	490	1.40	6.20	200.0	110.0	35.0	23.0	280.0	1,500	---	<10.7
	2/25/10	<5	223.0	326	1.02	6.27	195.0	58.0	19.0	16.5	232.0	1,120	---	<10.8
	7/28/10	<5	235.0	272	1.15	4.61	189.0	51.3	14.6	13.8	257.0	1,130	---	<10.9
Dup 2	7/28/10	<5	233.0	283	1.11	5.17	192.0	60.9	19.2	16.7	269.0	1,180	---	<10.10
MW-6	2/7/01	<1.0	200	1,800	3.3	5.4	140	323	108	18.8	657	3,800	--	--
	05/02/02	<1.0	264	503	3.68	7.04	183	24.9	7.29	17.4	475	--	---	<1.00
	10/14/02	<0.1	262	620	--	--	206	18.6	5.34	17.5	556	1,670	--	<0.10
	12/27/02	36	218	620	--	--	192	21.2	6.08	13.6	584	1,650	---	<0.10
	2/18/03	16	238	638	---	---	298	22.1	6.43	11.8	524	1,700	---	<0.10
	6/2/03	<1.0	244	772	3.24	6.62	181	68.7	23.3	14.4	614	2,040	---	<1.00
	8/26/03	<1.0	246	607	2.95	6.65	179	35.9	11.6	12.2	525	2,370	---	<1.00
	11/6/03	<1.0	250	649	3.28	6.89	191	46	13.9	18.1	503	1,932	---	<1.00

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-6	2/4/04	<1.0	266	713	3.15	7.2	189	48.9	15.4	19.9	517	2,210	---	<1.00
(Cont.)	5/7/04	<1.00	266	696	2.92	6.74	182	54.8	16.1	16	503	2,095	---	<1.00
	8/3/04	<0.1	260	718	---	---	240	22.7	21.7	21.7	825	1,430	---	<0.10
	2/11/05	<1.00	270	660	3.76	7.84	192	30.1	9.13	19.5	531	1,774	---	<1.00
	8/4/05	<1.00	268	764	3.16	7.83	206	56.6	18.8	15.3	576	1,650	---	<1.00
	2/22/06	<10.0	270	610	2.4	7.9	180	23.9	7.41	10.9	380	1,570	---	<10.0
	8/24/06	<10.0	260	590	3	5.96	170	108	35	9.38	448	1,880	---	<10.0
	2/28/07	<10	280	530	3	7.8	170	21	6.14	12.8	397	1,550	---	<10
	8/23/2007	<10	265	1,100	2.30	7.60	150.0	29.8	11.7	8.35	440	3,970	---	265
	2/20/08	<5	227	799	3.05	7.43	163	181	62.4	15.7	492	1,930	---	<5
	8/13/08	<5	238.0	563	2.56	7.83	176.0	22.6	6.6	14.4	558.0	1,640	---	<5
	02/19/09	<5	370.0	1200	2.00	6.10	150.0	140.0	47.0	16.0	590.0	3,200	---	<6
	7/29/09	<5	210.0	1200	2.10	7.00	160.0	37.0	11.0	16.0	550.0	2,700	---	<5
	2/24/10	<5	243.0	780	2.07	7.89	193.0	39.7	10.6	9.0	558.0	1,910	---	<5
	7/28/10	<5	247.0	702	2.23	8.99	204.0	30.7	8.9	10.3	591.0	1,740	---	<5
MW-7	2/7/01	<1.0	238	500	3.2	4.1	100	80.3	27.3	10.4	326	1,300	---	---
	05/02/02	<1.0	244	466	2.94	4.18	106	46.6	17	8.42	307	---	---	<1.00
	10/11/02	<0.1	242	408	---	---	128	39.7	13.5	6.7	316	1,120	---	<0.10
	12/27/02	<0.1	232	452	---	---	109	56.2	19.2	5.82	353	1,220	---	<0.10
	2/17/03	<0.1	200	603	---	---	134	90.6	30.9	5.86	339	1,440	---	<0.10
	6/2/03	<1.0	242	388	3.23	4.33	115	39.5	12.5	6.16	370	1,216	---	<1.00
	8/25/03	<1.0	232	367	2.77	4.07	105	39.3	12.3	7.14	309	1,244	---	<1.00
	11/5/03	<1.0	240	343	3.08	4.16	117	36.6	11.4	7.67	304	1,186	---	<1.00
Dup	11/5/03	<1.0	238	355	3.04	4.19	117	34.7	10.8	7.63	298	1,170	---	<1.00
	2/4/04	<1.0	262	320	3.1	4.25	112	30.7	9.87	7.95	298	1,138	---	<1.00
	5/6/04	<1.00	260	339	2.9	4	112	35.2	10.3	6.81	282	1,172	---	<1.00
	8/3/04	<0.1	248	328	---	---	126	22.8	12.1	7.55	436	734	---	<0.10
	2/11/05	<1.00	238	332	3.76	4.65	123	31.5	9.99	7.75	296	1,128	---	<1.00
	8/5/05	<1.00	240	430	3.1	4.36	144	58.2	19.2	8.43	325	1,180	---	<1.00
DUP2	8/5/05	<1.00	236	387	3.14	4.3	144	38.7	12.5	6.51	315	1,100	---	<1.00
	2/22/06	<10.0	290	240	2.6	3.3	120	30.6	9.98	4.89	227	1,120	---	<10.0
	8/24/06	<10.0	260	230	3.1	2.97	110	23.3	7.82	2.96	245	952	---	<10.0
	2/28/07	<10	270	240	3.3	3.6	100	21.3	6.57	<5	230	885	---	<10
	8/23/2007	<10	261	250	2.70	3.20	110.0	18.8	8	<5	247	2,320	---	261
	2/20/08	<5	251	269	2.4	3.18	122	37.6	12.4	5.41	261	930	---	<5
	8/13/08	<5	274.0	251	2.41	3.21	121.0	25.0	7.6	4.9	273.0	887	---	<5

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-7	02/19/09	<5	250.0	240	2.90	3.30	100.0	26.0	8.3	5.1	260.0	880	---	<5
(Cont.)	7/29/09	<5	260.0	260	2.90	3.90	110.0	40.0	13.0	5.8	250.0	950	---	<5
	2/24/10	<5	263.0	282	2.54	4.08	106.0	34.3	9.1	3.6	310.0	1000	---	<5
	7/28/10	<5	259.0	279	2.61	3.39	113.0	28.5	9.0	3.6	265.0	950	---	<5
MW-8	2/7/01	20	240	900	3.2	6.6	160	79.4	24.5	12.7	604	2,100	--	--
	05/02/02	<1.0	236	818	2.65	6.68	168	94.5	29.2	13	527	--	---	<1.00
	10/14/02	<0.1	250	842	---	---	194	52.4	20.4	10.8	597	1,920	---	<0.10
	12/27/02	<0.1	233	833	---	---	173	59.8	20	8.64	627	2,000	---	<0.10
	2/18/03	<0.1	213	833	---	---	185	53	17.6	7.13	489	1,930	---	<0.10
	6/2/03	<1.0	244	777	3.29	6.82	173	60	18.9	9.47	650	1,968	---	<1.00
	8/25/03	<1.0	244	738	2.85	6.42	159	59.4	17.3	11.4	534	1,996	---	<1.00
	11/7/03	<1.0	248	722	3.27	6.65	171	58.1	17.9	12.2	525	1,972	---	<1.00
	2/4/04	<1.0	254	764	3.77	7.85	161	55.2	18.2	13.2	522	2,038	---	<1.00
	5/6/04	8	262	774	3.36	7.43	164	56.2	16.9	10.7	501	1,968	---	<1.00
	8/4/04	<0.1	246	771	---	---	222	28.6	21.5	11	707	1,530	---	<0.10
	2/11/05	<1.00	238	818	4.28	8.46	167	58.3	19	13.2	543	2,080	---	<1.00
	8/5/05	<1.00	236	888	3.29	7.66	184	71.5	23.3	11.7	574	2,230	---	<1.00
	2/22/06	<10.0	230	810	2.4	7.9	170	55.1	18	8.05	390	1,740	---	<10.0
	8/24/06	<10.0	280	710	3.2	5.51	170	51.2	16.5	6	470	926	---	<10.0
	2/28/07	<10	260	740	3.3	7.3	170	68.3	20.7	8.59	381	1,780	---	<10
	8/22/2007	<10	259	700	3.00	7.40	170.0	49.1	18.5	5.35	449	1,980	---	259
	2/20/08	<5	240	711	3.66	7.15	188	82.2	26.4	9.48	461	1,780	---	<5
	8/12/08	<1.53	357.0	668	2.99	6.74	171.0	64.1	19.7	8.5	541.0	1,750	---	<1.53
	02/19/09	<5	230.0	700	3.60	6.40	170.0	64.0	21.0	8.8	500.0	1,700	---	<5
	7/29/09	<5	290.0	740	3.50	6.80	170.0	60.0	19.0	9.5	490.0	1,800	---	<5
	2/24/10	<5	255.0	754	3.16	6.58	160.0	56.4	16.1	5.1	510.0	1,760	---	<5
	7/28/10	<5	263.0	711	3.43	5.67	164.0	54.2	17.0	4.8	533.0	1,720	---	<5
MW-9	05/01/02	<1.0	142	439	1.88	3.26	106	98.8	35.8	9.93	188	---	---	<1.00
	10/14/02	<0.1	137	443	---	---	119	88.4	33.1	10.4	216	1,240	---	<0.10
	12/27/02	<0.1	124	434	---	---	120	93.8	33.8	6.22	192	1,080	---	<0.10
	2/18/03	<0.1	105	461	---	---	126	99.3	34.1	5.62	200	1,190	---	<0.10
	5/30/03	<1.0	122	514	1.82	3.01	102	113	37.9	7.98	240	1,324	---	<1.00
	8/25/03	<1.0	114	562	1.58	2.98	95.2	120	39.2	9.45	219	1,428	---	<1.00
	11/7/03	<1.0	132	468	1.68	2.86	96.2	119	39	9.18	200	1,250	---	<1.00

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-9	2/5/04	<1.0	124	610	2.32	4.18	97.7	125	41.1	10.3	221	1,345	---	<1.00
Dup	2/5/04	<1.0	120	581	1.23	2.19	53.6	132	43.9	10.1	203	1,325	---	<1.00
	5/5/04	<1.00	122	616	1.39	2.68	91	142	50	9.65	212	1,428	---	<1.00
Dup	5/5/04	<1.00	124	599	1.43	2.72	92.2	144	46.7	9.82	223	1,476	---	<1.00
	8/3/04	<0.1	110	691	---	---	115	184	62.9	10.5	279	1,530	---	<0.10
	2/11/05	<1.00	98	1,960	3.63	5.36	103	495	164	21.5	388	3,920	---	<1.00
	8/4/05	<1.00	218	10,000	1.54	5.15	224	2280	686	42.8	1390	27,000	---	<1.00
	2/23/06	<10.0	110	13,000	<2.5	19	430	2050	438	47.8	1450	24,300	---	<10.0
	8/25/06	<10.0	260	10,000	<2.5	3.75	360	1,330	360	38.3	1,920	24,100	---	<10.0
	2/28/07	<10	140	8,700	<0.5	4.6	430	1180	276	46.9	1510	17,700	---	<10
	8/23/2007	<10	157	6,900	<0.1	3.70	400.0	934	283	<50	2290	17,100	---	157
	2/20/08	<5	229	6,270	<0.3	<0.2	447	867	293	27.7	2190	12,500	---	<5
	8/12/08	<1.53	257.0	4,910	1.19	3.74	443.0	720.0	236.0	36.2	1760.0	11,400	---	<1.53
	02/19/09	<5	310.0	4,300	0.75	3.00	490.0	600.0	190.0	25.0	1900.0	9,700	---	<5
	7/29/09	<5	250.0	3,300	0.91	3.40	500.0	420.0	150.0	32.0	1400.0	7,800	---	<5
	2/24/10	<5	304.0	2,070	1.00	3.56	452.0	249.0	65.5	9.2	1220.0	4,370	---	<5
	7/28/10	<5	312.0	1,260	1.41	2.38	413.0	136.0	46.7	7.7	848.0	3,100	---	<5
MW-10	10/14/02	<0.1	204	71	--	--	145	42.3	22.8	7.77	87.3	593	--	<0.10
	12/27/02	<0.1	196	70	---	---	149	68.4	23.1	7.69	92.8	529	---	<0.10
	2/18/03	<0.1	184	65	---	---	159	67.1	22.8	3.04	90.7	552	---	<0.10
	6/2/03	<1.0	198	55.7	1.6	4.31	134	75.7	22.4	4.95	80.4	624	---	<1.00
	8/26/03	<1.0	188	56.1	1.58	4.1	125	70.6	23.4	6.29	72.3	688	---	<1.00
	11/7/03	<1.0	200	70.9	1.69	4.19	131	70.2	23.5	5.8	69.3	638	---	<1.00
	2/5/04	<1.0	196	101	1.68	4.22	121	75.8	25.7	6.29	73.8	674	---	<1.00
	5/7/04	<1.00	174	186	1.4	3.8	111	92.9	30.1	6.34	78.3	736	---	<1.00
	8/3/04	<0.1	144	328	---	---	118	106	49.5	7.7	106	796	---	<0.10
	2/11/05	<1.0	112	1,110	3.44	5.86	93.1	357	115	14	157	2,295	---	<1.00
	8/4/05	<1.00	112	1,500	1.32	4.02	94.5	419	139	11.5	186	3,420	---	<1.00
	2/22/06	<10.0	89	2,000	<0.50	6.5	98	520	158	13.8	180	6,180	---	<10.0
	8/25/06	<10.0	110	2,200	<2.5	3.24	97	660	201	13.7	253	7,520	---	<10.0
	2/28/07	<10	360	2,200	0.8	4.2	100	601	168	16.9	224	6,140	---	<10
	8/22/2007	<10	74.9	2,200	0.50	6.00	110.0	585	189	<50	270	7,270	---	74.9
	2/20/08	<5	253	1,930	0.75	3.3	109	551	186	17.8	280	4,620	---	<5
	8/12/08	<1.53	800.0	1,700	1.75	3.16	108.0	430.0	154.0	15.4	271.0	4,540	---	<1.53
	02/20/09	<5	370.0	1,600	0.76	2.70	130.0	410.0	150.0	15.0	300.0	4,300	---	<5
	7/29/09	<5	250.0	2,000	0.67	3.10	140.0	470.0	170.0	19.0	300.0	5,800	---	<5

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-10	2/24/10	<5	126.0	2,840	0.46	3.26	126.0	670.0	228.0	12.7	399.0	5,720	---	<6
(Cont.)	7/28/10	<5	89.1	2,260	0.82	2.48	85.5	842.0	292.0	12.1	501.0	6,840	---	<6
MW-11	4/30/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/11/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/26/02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/17/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/29/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/22/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/5/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/3/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/5/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/2/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/23/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/9/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/4/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/28/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/22/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/20/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/12/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/19/09	<5	370.0	1700	0.80	3.00	100.0	430.0	150.0	17.0	380.0	4,500	---	5
	7/29/09	<5	490.0	1800	0.72	3.80	120.0	420.0	140.0	19.0	340.0	5,000	---	<5
	2/24/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/28/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-12	05/02/02	<1.0	88	1,120	1.37	4.09	45.3	431	153	17.7	123	--	---	<1.00
	10/11/02	<0.1	93	1,370	---	---	47.5	438	161	15.4	127	2,860	---	<0.10
	12/27/02	<0.1	78	1,520	---	---	49.3	507	181	14.1	151	3,460	---	<0.10
	2/17/03	<0.1	68	1,530	---	---	52.4	461	170	13.3	136	3,980	---	<0.10
	6/2/03	<1.0	72	1,380	<2.00	5.06	45.8	491	157	15.3	151	3,250	---	<1.00
	8/26/03	<1.0	66	1,550	<2.00	4.94	45.9	525	178	14.8	156	3,855	---	<1.00
	11/6/03	<1.0	80	1,610	2.25	4.81	50.3	568	189	20.1	159	3,860	---	<1.00
	2/5/04	<1.0	74	1,680	2.19	5.13	46	525	181	21.6	160	2,910	---	<1.00
	5/7/04	<1.0	70	1,620	<3.00	5.13	53.6	541	178	18.5	152	3,085	---	<1.0
	8/3/04	<0.1	66	1,680	---	---	55.2	680	252	31.1	211	4,300	---	<0.10
	2/11/05	<1.00	82	1,770	2.04	6.08	47.7	503	176	17.8	138	3,080	---	<1.00

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-12	8/5/05	<1.00	72	1,800	1.66	4.69	48.6	547	194	15.2	149	4,180	---	<1.00
(Cont.)	2/22/06	<10.0	73	1,700	0.7	6.7	48	415	135	14.9	129	4,890	---	<10.0
	8/24/06	<10.0	87	1,700	0.93	3.06	48	463	157	12.2	140	6,190	---	<10.0
	2/28/07	<10	95	1,900	1.3	6.9	65	521	154	16.1	155	5,840	---	<10
	8/22/2007	<10	108	1,800	0.70	6.00	52.0	476	151	11.9	143	6,470	---	108
	2/20/08	<5	83.8	2,020	0.93	3.99	70.8	589	211	18.1	179	4,580	---	<5
	8/12/08	<1.53	77.0	2,140	1.68	3.84	86.1	647.0	221.0	17.9	212.0	5,160	---	<1.53
	02/19/09	<5	120.0	2,600	0.97	3.20	120.0	810.0	280.0	23.0	340.0	5,400	---	<5
	7/29/09	<5	94.0	2,700	1.20	3.80	120.0	700.0	270.0	28.0	330.0	7,000	---	<5
	2/24/10	<5	89.1	2,120	0.61	3.74	69.4	626.0	218.0	12.9	214.0	4,290	---	<5
	7/28/10	<5	83.0	1,560	1.47	2.84	164.0	681.0	240.0	14.2	279.0	5,680	---	<5
MW-13	05/02/02	<1.0	122	277	2.31	4.38	131	125	44.3	10.2	65.6	--	---	<1.00
	10/11/02	<0.1	115	337	---	---	124	135	46.5	9.47	88.6	1,210	---	<0.10
	12/27/02	<0.1	104	408	---	---	132	160	55.2	9.71	84.5	1,260	---	<0.10
	2/17/03	<0.1	80	443	---	---	144	152	54.9	8.88	108	1,370	---	<0.10
	6/2/03	<1.0	102	421	2.27	4.43	122	153	56	11	90.9	1,260	---	<1.00
	8/26/03	<1.0	92	500	2.1	4.23	115	179	66	12	95.6	1,360	---	<1.00
	11/6/03	<1.0	98	492	2.25	4.42	125	193	68.6	14.3	91.5	1,434	---	<1.00
	2/5/04	<1.0	96	543	2.3	4.56	120	179	65.6	15.4	98.3	1,220	---	<1.00
	5/7/04	<1.00	98	496	2.04	4.14	116	184	62.2	12.8	89.3	1,278	---	<1.00
	8/3/04	<0.1	95	532	---	---	116	225	77.3	15	111	1,410	---	<0.10
	2/11/05	<1.00	100	491	2.19	5.36	117	171	61.7	13.3	92.3	1,260	---	<1.00
	8/5/05	<1.00	96	759	2.29	5.11	125	217	70.8	12.7	103	1,550	---	<1.00
	2/22/06	<10.0	89	590	1.7	4.8	120	177	61.2	11.5	91.8	2,090	---	<10.0
	8/24/06	<10.0	150	760	<2.5	3.58	120	228	78.7	10.9	107	2,590	---	<10.0
	2/28/07	<10	90	880	2	5.2	140	262	84.8	14.6	113	3,060	---	<10
	8/22/2007	<10	129	980	1.60	4.00	130.0	279	94.7	11.6	122	3,480	---	129
	2/20/08	<5	209	1,260	1.57	4.02	153	362	145	20.1	172	3,070	---	<5
	8/13/08	<5	141.0	1,410	2.33	1.53	154.0	389.0	155.0	20.1	176.0	4,940	---	<5
	02/19/09	5	130.0	1,800	1.50	3.10	180.0	580.0	200.0	24.0	240.0	4,700	---	5
	7/29/09	<5	120.0	1,800	1.40	4.10	400.0	540.0	220.0	27.0	210.0	5,900	---	<5
	2/24/10	<5	91.1	1,570	1.05	3.53	150.0	452.0	139.0	13.0	160.0	3,400	---	<5
	7/28/10	<5	89.1	4,340	1.08	3.01	921.0	468.0	136.0	12.1	156.0	4,420	---	<5

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-14	11/5/03	<1.0	100	3,500	<4.00	6.58	525	951	324	45.3	732	7,315	---	<1.00
	2/4/04	<1.0	74	3,910	<3.00	6.01	559	966	320	46.1	840	7,720	---	<1.0
	5/6/04	<1.00	86	3,970	<4.00	5.54	594	997	350	42.5	836	9,560	---	<1.00
	8/4/04	<0.1	78	4,430	---	---	895	1350	455	60.3	1220	11,500	---	<0.10
	2/11/05	<1.00	80	6,120	3.5	5.99	752	1180	370	56.8	1250	8,860	---	<1.00
	8/5/05	<1.00	86	6,480	1.84	5.04	882	1230	400	46.3	1440	9,570	---	<1.00
	2/22/06	<10.0	81	5,300	<0.50	11	700	914	253	34.1	885	12,100	---	<10.0
Dup	2/22/06	<10.0	82	5,000	<0.50	<40	690	916	253	34	884	11,600	---	<10.0
	8/24/06	<10.0	85	5,600	<5	3.74	690	942	266	27.8	1370	11,300	---	<10.0
	2/28/07	<10	95	5,200	<0.5	4.3	620	758	193	36.9	1060	12,400	---	<10
	8/22/2007	<10	92.2	4,700	0.30	3.90	610.0	823	249	<50	1420	11,700	---	92.2
	2/20/08	<5	108	4,910	3.14	3.7	674	847	272	25.7	1510	10,300	---	<5
	8/12/08	<1.53	101.0	4,400	1.32	3.50	668.0	781.0	237.0	38.2	1650.0	10,300	---	<1.53
	02/19/09	<5	100.0	4,200	1.20	2.50	760.0	780.0	230.0	38.0	1600.0	9,000	---	<5
Dup	02/19/09	<5	100.0	4,200	1.20	2.40	760.0	700.0	220.0	24.0	1700.0	8,800	---	<5
	7/29/09	<5	110.0	4,100	1.40	2.90	830.0	690.0	200.0	39.0	1500.0	11,000	---	<5
	2/24/10	<5	107.0	4,280	1.04	3.36	844.0	752.0	218.0	18.9	1480.0	9,530	---	<5
	7/28/10	<5	107.0	4,290	1.18	2.17	83.8	844.0	256.0	15.1	1660.0	9,500	---	<5
MW-15	11/5/03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/3/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/5/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/2/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/23/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/9/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/4/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/28/07	<10	170	90	2.2	2.2	71	57.3	19.8	6.03	52.9	575	---	<10
	8/22/2007	<10	146	150	1.80	2.10	65.0	66.4	24.1	5.98	60.2	652	---	146
	2/20/08	<5	117	487	1.68	2.19	61.1	161	62.2	10.5	88.1	1,500	---	<5
	8/12/08	<1.53	101.0	792	1.81	2.38	68.3	238.0	92.0	13.3	120.0	2,370	---	<1.53
	02/19/09	<5	100.0	840	1.30	2.20	74.0	290.0	110.0	14.0	110.0	2,000	---	<5
	7/29/09	<5	83.0	1000	1.30	2.70	85.0	270.0	110.0	15.0	130.0	3,300	---	<5
	2/25/10	<5	99.2	1120	0.97	2.84	74.0	301.0	116.0	12.5	135.0	2,450	---	<5
	7/28/10	<5	91.1	801	1.16	2.02	152.0	337.0	110.0	11.1	128.0	3,350	---	<5

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-16	11/6/03	<1.0	188	863	1.79	5.65	150	183	55.6	14.2	372	2,100	---	<1.00
	2/4/04	<1.0	174	937	2.19	6.59	123	235	76.8	15.2	299	2,200	---	<1.00
	5/7/04	<1.00	172	953	<2.00	5.91	123	240	73.8	12.7	313	2,280	---	<1.00
	8/3/04	<0.1	158	1,010	---	---	159	250	87.5	13.5	382	2,560	---	<0.10
	2/11/05	<1.00	180	944	2.4	7.24	151	198	62.4	10.9	344	2,260	---	<1.00
	8/5/05	<1.00	230	568	1.99	5.14	146	134	46.9	8.7	249	1,420	---	<1.00
	2/22/06	<10.0	180	590	1.3	5.2	110	120	39.1	7.17	207	1,770	---	<10.0
	8/24/06	<10.0	490	500	<2.5	3.17	89	123	40.6	4.93	207	1,460	---	<10.0
	2/28/07	<10	220	410	1.6	4.6	110	71.8	22.2	6.46	228	1,200	---	<10
	8/22/2007	<10	296	360	1.40	3.60	87.0	83	29.9	<5	215	1,280	---	296
	2/20/08	<5	190	338	1.31	2.91	88.3	141	47.9	6.53	154	990	---	<5
	8/12/08	<1.53	220.0	536	1.36	3.34	86.2	112.0	37.4	6.8	221.0	1,660	---	<1.53
	02/19/09	<5	190.0	710	1.30	4.10	110.0	130.0	42.0	8.7	340.0	1,900	---	<5
	7/29/09	<5	170.0	810	1.30	4.90	140.0	140.0	46.0	9.9	330.0	2,200	---	<5
	2/24/10	<5	194.0	866	1.05	4.75	132.0	173.0	46.9	5.7	318.0	1,980	---	<5
	7/28/10	<5	197.0	369	2.38	4.43	159.0	157.0	50.5	6.6	404.0	2,050	---	<5
MW-17	11/5/03	<1.0	154	587	2.06	3.85	104	177	58.2	12.5	184	1,556	---	<1.00
	2/4/04	<1.0	158	650	2.01	3.93	93.1	158	52.5	12.2	205	1,416	---	<1.00
Dup	2/4/04	<1.0	172	557	2.08	4.03	95.7	162	52.6	12.1	204	1,496	---	<1.00
	5/6/04	<1.00	162	604	1.77	3.57	91.2	182	57.7	10.9	176	1,416	---	<1.00
	8/4/04	<0.1	141	638	---	---	132	207	81	12.7	221	1,660	---	<0.10
	2/11/05	<1.00	174	572	2.94	4.61	101	134	45.9	11	229	1,470	---	<1.00
	8/5/05	<1.00	172	626	2.16	4.37	106	169	53.5	9.5	220	1,750	---	<1.00
	2/22/06	<10.0	150	580	1.5	4	97	123	40.1	8.04	187	1,810	---	<10.0
	8/24/2006	<10.0	200	560	<2.5	3.06	100	140	46.1	5.94	178	1,700	---	<10.0
DUP	8/24/06	<10.0	320	530	<2.5	2.94	100	135	46.5	5.76	175	1,700	---	<10.0
	2/28/07	<10	180	530	2.2	4.1	130	94.9	30.3	7.06	213	1,240	---	<10
	8/22/2007	<10	177	550	1.80	4.30	130.0	113	41.4	5.97	200	1,310	---	177
	2/20/08	<5	147	622	2.1	3.45	130	169	59.9	8.35	155	1,550	---	<5
	8/12/08	<1.53	173.0	519	1.86	3.37	125.0	124.0	43.0	7.9	222.0	1,660	---	<1.53
	02/19/09	<5	180.0	460	2.40	3.60	170.0	70.0	21.0	7.5	320.0	1,300	---	<5
	7/29/09	<5	190.0	440	2.40	4.00	180.0	76.0	24.0	7.4	270.0	1,300	---	<5
	2/24/10	<5	182.0	512	1.85	3.60	148.0	90.6	30.9	5.4	265.0	1,380	---	<5
	7/28/10	<5	217.0	4840	0.80	3.09	513.0	87.7	28.8	4.9	245.0	1,390	---	<5

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-18	11/23/04	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/9/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/4/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/28/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/20/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/12/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/19/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/29/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/24/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/28/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-19	11/23/04	<1.00	86	7,000	<10.0	17.3	582	2020	678	52.4	1590	12,900	---	<1.00
	2/11/05	<1.00	92	5,200	1.3	5.12	502	1340	522	61.3	974	22,000	---	<1.00
	8/5/05	<1.00	82	4,850	1.76	4.7	450	1200	422	50.6	793	9,750	---	<1.00
DUP3	8/5/05	<1.00	80	5,170	1.87	4.83	462	1270	463	51	814	15,800	---	<1.00
	2/22/06	<10.0	75	3,900	<0.50	8.9	400	870	271	32.6	464	8,830	---	<10.0
	8/24/06	<10.0	250	3,900	<5	3.01	390	902	293	28.8	582	10,900	-	<10.0
	2/28/07	<10	92	5,500	<0.5	4.4	600	901	247	37	658	12,700	---	<10
	8/22/2007	<10	82.6	4,500	0.30	3.10	440.0	1040	367	<50	686	11,600	---	82.6
	2/20/08	<5	80.1	4,800	1.72	3.62	476	1130	437	31.2	684	10,300	---	<5
	8/12/08	<1.53	79.8	4,240	2.94	3.27	429.0	1080.0	399.0	26.7	739.0	9,600	---	<1.53
	02/19/09	<5	89.0	5,300	0.90	3.20	540.0	1200.0	450.0	37.0	1200.0	10,000	---	<5
	7/29/09	<5	94.0	5,300	1.10	4.00	580.0	1200.0	400.0	37.0	1100.0	13,000	---	<5
	2/24/10	<5	91.1	4,720	0.44	3.73	457.0	1110.0	427.0	28.2	809.0	9,080	---	<5
	7/28/10	<5	104.0	4,760	1.08	3.30	130.0	1160.0	407.0	27.2	1110.0	10,400	---	<5
MW-20	11/23/04	<1.00	82	606	2.49	2.9	79.7	176	62.6	13.6	104	985	---	<1.00
	2/11/05	<1.00	88	745	1.86	4.34	73.8	227	77.5	15	117	1,480	---	<1.00
	8/5/05	<1.00	80	1,170	1.76	4.55	84.5	326	116	14.7	162	2,640	---	<1.00
	2/22/06	<10.0	110	1,100	0.98	5.5	83	295	103	13.5	145	3,000	---	<10.0
	8/24/06	<10.0	1,100	1,100	<2.5	3.39	84	288	101	11.2	160	3,590	-	<10.0
	2/28/07	<10	110	1,300	1.4	5.1	95	332	107	14.6	165	4,500	---	<10
	8/22/2007	<10	419	1,400	0.80	5.70	100.0	346	119	11.9	203	4,100	---	419
	2/20/08	<5	117	1,540	1.1	3.83	108	393	158	18.7	247	3,550	---	<5
	8/12/08	<1.53	135.0	1,570	2.02	3.73	113.0	392.0	154.0	18.5	249.0	4,290	---	<1.53
	02/19/09	<5	130.0	1,600	1.00	3.70	130.0	440.0	150.0	20.0	290.0	3,900	---	<5

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
MW-20	7/29/09	<5	120.0	1,700	1.10	4.10	150.0	400.0	150.0	21.0	280.0	4,600	---	<5
(Cont.)	2/25/10	<5	107.0	1,500	0.80	4.03	98.8	402.0	146.0	13.9	229.0	3,460	---	<5
	7/28/10	<5	102.0	245	2.00	3.43	143.0	451.0	156.0	13.6	289.0	4,740	---	<5
MW-21	11/28/2007	1.14	415.0	482			128.0	173.0	64.4	18.3	115.0	1,440	---	1.14
	2/20/08	<5	115	606	1.9	5.15	159	205	71.3	14.4	110	1,740	---	<5
	8/12/08	<1.53	126.0	544	2.00	4.68	147.0	193.0	64.7	12.5	116.0	2,060	---	<1.53
	02/19/09	<5	190.0	400	2.10	4.30	140.0	150.0	46.0	11.0	120.0	1,200	---	<5
	7/29/09	<5	210.0	330	2.20	4.40	150.0	120.0	38.0	10.0	96.0	1,200	---	<5
	2/24/10	<5	184.0	280	1.79	4.04	143.0	123.0	37.8	7.9	100.0	1,030	---	<5
	7/28/10	<5	168.0	2970	0.61	3.41	150.0	109.0	34.3	7.8	95.8	1,010	---	<5
MW-22	11/28/2007	1.14	2950.0	1,020			169.0	286.0	96.7	12.1	229.0	2,330	---	1.14
	2/20/08	<5	374	1,060	0.93	2.7	171	291	102	11.1	244	2,560	---	<5
	8/12/08	<1.53	143.0	1,370	1.70	2.73	167.0	359.0	129.0	12.9	272.0	3,670	---	<1.53
	02/20/09	<5	270.0	2,000	0.74	2.40	180.0	570.0	190.0	17.0	380.0	5,300	---	<5
	7/29/09	<5	310.0	3,000	0.85	2.60	200.0	730.0	260.0	25.0	570.0	6,700	---	<5
	2/25/10	<5	142.0	3,630	0.27	2.92	166.0	802.0	251.0	15.4	590.0	7,060	---	<5
	7/28/10	<5	136.0	3,640	0.64	2.17	204.0	982.0	309.0	15.9	865.0	8,760	---	<5
West	8/22/97	--	--	250	--	--	--	--	--	--	--	--	--	--
	2/17/98	<2.0	370	237	--	--	134	--	--	--	--	975	96	--
	2/7/01	<1.0	236	340	2	4.5	120	39.7	12.5	33.2	264	1,000	--	--
	05/03/02	<1.0	214	329	1.39	4.36	116	41.9	11.9	40.9	234	--	---	<1.00
	10/14/02	<0.1	210	337	--	--	127	39.3	9.37	35.6	290	986	--	<0.10
	12/27/02	<0.1	198	337	---	---	134	43.1	12.5	33.2	263	997	--	<0.10
	2/18/03	<0.1	190	354	---	---	141	33.6	9.78	23.9	152	1,010	---	<0.10
	5/30/03	<1.0	202	353	1.54	4.16	116	48.4	13.3	35.1	283	1,050	---	<1.00
	8/25/03	<1.0	194	351	1.5	4.08	112	49.4	13.2	38.4	265	1,066	---	<1.00
	11/7/03	<1.0	204	327	1.65	3.98	115	51.3	13.8	38.8	235	1,100	---	<1.00
	2/5/04	<1.0	196	345	1.66	4.09	112	51.6	14.6	41.4	235	1,074	---	<1.00
	5/6/04	<1.00	200	339	1.44	3.83	115	53.6	14	37.3	241	1,040	---	<1.00
	8/3/04	<0.1	186	337	---	---	147	41.7	20.1	49.1	297	717	---	<0.10
	2/11/05	<1.00	186	417	2.44	4.47	117	75.9	21.4	43.9	241	1,128	---	<1.00
	8/4/05	<1.00	150	526	1.54	4.16	129	87	23.6	42.2	280	1,104	---	<1.00
	2/23/06	<10.0	150	800	0.76	4	110	149	44.3	47.1	257	2,390	---	<10.0
	8/25/06	<10.0	150	1,500	<2.5	2.78	97	315	87.6	67.7	400	4,840	---	<10.0

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
West (Cont.)	2/28/07	<10	120	2,500	0.86	6.6	120	515	130	98.7	410	7,600	---	<10
	8/21/2007	<10	99.8	3,700	0.20	4.31	180.0	844	251	72.7	665	12,700	---	99.8
	2/20/08	<5	119	2,780	0.54	3.43	202	662	189	81.8	564	5,850	---	<5
	8/13/08	<5	175.0	1,940	1.57	3.89	227.0	387.0	119.0	61.8	588.0	5,570	---	<5
	02/19/09	<5	180.0	1,700	0.67	2.80	230.0	330.0	100.0	51.0	550.0	4,300	---	<5
	7/29/09	<5	190.0	1,200	0.81	3.40	240.0	230.0	74.0	37.0	400.0	3,200	---	<5
	2/24/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/28/10	<5	238.0	541	0.99	2.69	224.0	128.0	36.6	26.0	345.0	1,760	---	<5
Southwest	8/22/97	--	--	3,300	--	--	--	---	--	--	--	--	--	--
	2/17/98	<2.0	420	2,170	--	--	255	--	--	--	--	4,719	712	--
	2/7/01	<1.0	326	1,900	2.2	5	350	197	59.1	---	1078	4,100	--	--
	05/03/02	<1.0	272	1,490	1.38	4.51	301	200	65	46.4	744	--	--	<1.00
	10/14/02	<0.1	330	1,330	--	--	360	110	32.5	61.5	929	3,020	--	<0.10
	12/27/02	<0.1	308	1,280	---	---	319	107	31.9	66.8	980	3,040	--	<0.10
	2/18/03	<0.1	289	1,290	---	---	300	104	31.3	63	918	2,910	---	<0.10
Dup	2/18/03	<0.1	298	1,310	---	---	299	108	32.2	58.3	812	3,040	---	<0.10
	6/2/03	<1.0	304	1,420	2.34	5.83	282	161	45.7	49.1	935	4,070	---	<1.00
Dup	6/2/03	<1.0	290	1,370	2.12	5.65	287	169	54.5	45	899	3,420	---	<1.00
	8/25/03	<1.0	310	1,190	2.25	6.1	272	117	33.6	49.7	774	3,205	---	<1.00
Dup	8/25/03	<1.0	200	1,260	<2.00	5.61	75.5	159	41.8	79	591	3,270	---	<1.00
	11/7/03	<1.0	300	1,240	2.29	5.77	255	129	35.4	48.5	727	3,275	---	<1.00
	2/5/04	<1.0	300	1,240	2.37	6.17	238	109	33.1	52.2	716	2,860	---	<1.00
	5/6/04	<1.00	294	1,310	<3.00	6.38	231	158	30.8	53.2	780	3,180	---	<1.00
	8/3/04	<0.1	276	1,400	---	---	264	75.1	45.2	82.4	1660	2,550	---	<0.10
	2/11/05	<1.00	260	2,920	1.33	9.61	230	323	94.5	84.4	1240	5,575	---	<1.00
	8/4/05	<1.00	226	5,290	1.55	11.7	325	691	201	101	1980	12,000	---	<1.00
	2/23/06	<10.0	300	3,000	<2.5	11	450	373	108	77.1	896	6,300	---	<10.0
	8/25/06	<10.0	300	3,100	<5.0	5.99	600	415	117	74.9	1240	7,600	---	<10.0
	2/28/07	<10	310	4,500	0.51	8.8	670	511	130	93.7	994	9,120	---	<10
	8/21/2007	<10	265	5,500	0.10	11.7	860.0	879	242	82.6	2040	14,900	---	265
	2/20/08	<5	278	5,940	0.63	9.3	896	1010	281	120	2300	13,100	---	<5
	8/13/08	<5	268.0	5,670	4.18	8.14	775.0	934.0	237.0	112.0	2110.0	13,700	---	<5
	02/19/09	<5	280.0	5,200	0.78	5.40	870.0	920.0	240.0	120.0	2300.0	13,000	---	<5
	7/29/09	<5	260.0	5,300	0.96	6.10	810.0	790.0	240.0	110.0	2200.0	12,000	---	<5
	2/24/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/28/10	<5	254.0	3,890	0.96	5.17	565.0	758.0	190.0	67.6	1770.0	8,850	---	<5
Dup 1	7/28/10	<5	274.0	4,050	0.89	3.98	591.0	667.0	184.0	67.9	1730.0	7,250	---	<5

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
RW-1	10/20/00	<1.0	330	1,500	1.7	5.2	330	107	29.6	50	843	3,200	--	--
	10/14/02	<0.1	327	1,150	--	--	340	60.3	25.5	64.3	820	2,720	--	<0.10
	12/27/02	<0.1	294	1,300	--	--	330	123	40.3	56.8	933	3,190	--	<0.10
	2/18/03	<0.1	300	1,150	---	---	316	79.7	25.7	53	721	2,690	---	<0.10
	6/2/03	<1.0	276	1,500	2.05	5.34	275	194	67.21	40.8	923	4,070	---	<1.00
	8/25/03	<1.0	298	1,190	2.01	6.15	278	117	32.7	46.1	705	2,940	---	<1.00
	11/7/03	<1.0	298	1,300	2.13	5.56	266	166	48.1	51.7	106	3,240	---	<1.00
	2/5/04	<1.0	292	1,270	2.22	5.92	246	148	44.7	53.8	704	2,780	---	<1.00
	5/6/04	<1.00	310	1,100	<3.00	6.62	235	104	28.3	53.8	635	2,840	---	<1.00
Dup	5/6/04	<1.00	288	1,040	<3.00	6.64	243	90	24.1	44.5	642	2,705	---	<1.00
	8/4/04	<0.1	284	1,120	---	---	290	44.8	33	86.9	785	2,250	---	<0.10
Dup	8/4/04	<0.1	288	1,130	---	---	274	45	31.6	84	961	2,550	---	<0.10
	2/11/05	<1.00	262	1,730	3.59	8.93	217	172	51.5	84	910	3,995	---	<1.00
Dup	2/11/05	<1.00	268	1,690	2	8.59	224	159	46.4	81	813	3,170	---	<1.00
	8/4/05	<1.00	252	2,470	1.26	5.8	188	262	76.1	87.5	1090	5,120	---	<1.00
	2/23/06	<10.0	290	2,400	<2.5	8.9	350	234	67.6	70.4	762	4,680	---	<10.0
	8/25/06	<10	290	2,300	<5	4.41	440	281	77.3	68.5	1040	5,610	-	<10.0
DUP	8/25/06	<10.0	300	2,300	<5	4.6	450	272	77.3	67.1	1030	5,570	-	<10.0
	2/28/07	<10	300	3,100	<0.5	3.5	590	353	97.7	82.2	848	7,400	---	<10
Dup	2/28/07	<10	290	3,200	<0.5	3.5	600	416	115	83.4	878	7,280	---	<10
	8/21/2007	<10	265	4,100	0.30	3.54	620.0	656	193	72.6	1640	11,300	---	265
Dup	8/21/2007	<10	263	4,100	0.10	3.38	600.0	655	192	72.5	1630	11,400	---	263
	2/20/08	<5	473	5,130	0.56	6.8	677	892	255	126	1810	11,000	---	<5
Dup	2/20/08	<5	231	5,120	0.55	6.78	674	888	252	126	1800	10,800	---	<5
	8/12/08	<1.53	255.0	4,650	1.06	6.43	628.0	816.0	232.0	107.0	1770.0	11,000	---	<1.53
Dup	8/12/08	<1.53	229.0	4,600	1.05	6.37	612.0	778.0	222.0	105.0	1740.0	10,900	---	<1.53
	02/20/09	<5	260.0	4,600	0.69	1.40	690.0	680.0	200.0	84.0	1700.0	11,000	---	<5
Dup	02/20/09	<5	240.0	4,400	0.65	4.20	630.0	660.0	190.0	83.0	1600.0	11,000	---	<5
	7/29/09	<5	240.0	4,300	0.73	3.30	620.0	650.0	220.0	94.0	1700.0	10,000	---	<5
Dup	7/29/09	<5	240.0	4,200	0.72	3.70	600.0	640.0	220.0	95.0	1700.0	9,900	---	<5
	2/25/10	<5	263.0	4,890	0.34	4.28	650.0	680.0	180.0	75.6	1650.0	8,870	---	<5
	7/28/10	<5	254.0	2,920	0.77	4.98	455.0	442.0	132.0	59.5	1310.0	7,200	---	<5
WW-1	05/01/02	<1.0	172	97.2	1.64	4.05	137	51.4	23.4	8.23	84.9	---	---	<1.00
	10/10/02	<0.1	168	106	---	---	124	52.7	22.2	9.99	106	605	---	<0.10
	12/27/02	<0.1	157	111	--	--	134	55	22.5	5.3	96	572	--	<0.10
	2/18/03	<0.1	152	115	---	---	137	53.8	22.1	6.38	93.5	601	---	<0.10
	6/2/03	<1.0	154	127	1.69	3.77	119	59.5	24.1	7.14	118	621	---	<1.00

TABLE II

GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4, SECTION 35, TOWNSHIP 24 SOUTH, RANGE 37 EAST
LEA COUNTY, NEW MEXICO

Well Number	Sample Date	Carbonate (mg/L)	Bicarbonate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate - N (mg/L)	Sulfate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Hardness (mg/L)	Hydroxide (mg/L)
NMWQCC Standard (mg/L)				250	1.60	10.00	600.0	---	---	---	---	1000	---	---
WW-1 (Cont.)	8/25/03	<1.0	148	136	1.7	3.72	111	63	24	8.43	104	652	---	<1.00
	11/7/03	<1.0	156	149	1.8	3.62	111	62.3	24.4	8.3	95.5	669	---	<1.00
	2/4/04	<1.0	156	185	1.81	3.79	102	68.2	25.5	8.7	92.4	709	---	<1.00
	5/5/04	<1.00	148	204	1.54	3.48	99.7	71.9	26.5	8.25	120	695	---	<1.00
	8/4/04	<0.1	132	222	---	---	114	92.3	37.9	9.89	139	471	---	<0.10
	8/4/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/23/06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/1/07	<10	130.0	360	1.50	3.20	77.0	101.0	30.7	5.9	103.0	1060	---	<10
	8/21/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/21/08	<5	106	461	1.22	2.9	84.4	112	41.4	6.82	118	1,310	---	<5
	8/12/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/20/09	<5	150.0	320	1.30	2.80	100.0	97.0	33.0	6.4	110.0	1100	---	<5
	7/29/09	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/24/10	<5	128.0	246	1.23	2.89	115.0	80.10	27.20	4.93	107.0	804	---	<5
	7/28/10	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Notes:

1. mg/L: Milligrams per liter
2. <: Concentration below test method detectin limit
3. - -: No data available
4. RW: Recovery well
5. All analyses prior to 10/14/02 conducted by TraceAnalysis, Inc., Lubbock, TX
6. Analyses from 10/14/02 conducted by Environmental Lab of Texas, Odessa, TX
7. Analyses from 5/30/03 and following conducted by Trace Analysis Inc., Lubbock, TX
8. Analyses from 8/24/06 and 8/25/06, conducted by Pace Analytical, St. Rose, LA and Greenbay, WI Laboratories
9. Highlight: Result exceeds NMWQCC standard
10. **Bold** indicates laboratory detection
11. WW: Water well

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

12-Mar-2010

Patricia Lynch
Conestoga-Rovers & Associates
6320 Rothway, Suite 100
Houston, TX 77040

Tel: (713) 734-3090
Fax: (713) 734-3391

Re: G.L. Erwin - 039124 Work Order: **1002698**

Dear Patricia,

ALS Laboratory Group received 25 samples on 25-Feb-2010 through 26-Feb-2010 for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 53.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Electronically approved by: Glenda H. Ramos

Hector Coronado
Project Manager

Certificate No: TX: T104704231-09-1

ALS Laboratory Group

Date: 12-Mar-10

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Work Order: **1002698**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1002698-01	Southwest-MW	Water		2/24/2010 12:12	2/25/2010 08:40	☐
1002698-02	West-MW	Water		2/24/2010 11:51	2/25/2010 08:40	☐
1002698-03	MW-3	Water		2/24/2010 12:29	2/25/2010 08:40	☐
1002698-04	MW-6	Water		2/24/2010 12:51	2/25/2010 08:40	☐
1002698-05	MW-7	Water		2/24/2010 13:08	2/25/2010 08:40	☐
1002698-06	MW-8	Water		2/24/2010 13:27	2/25/2010 08:40	☐
1002698-07	MW-9	Water		2/24/2010 13:47	2/25/2010 08:40	☐
1002698-08	MW-10	Water		2/24/2010 13:58	2/25/2010 08:40	☐
1002698-09	MW-13	Water		2/24/2010 15:10	2/25/2010 08:40	☐
1002698-10	MW-16	Water		2/24/2010 14:38	2/25/2010 08:40	☐
1002698-11	WW-1 022410	Water		2/24/2010 12:30	2/25/2010 08:40	☐
1002698-12	MW-14 022410	Water		2/24/2010 14:05	2/25/2010 08:40	☐
1002698-13	MW-17 022410	Water		2/24/2010 13:40	2/25/2010 08:40	☐
1002698-14	MW-19 022410	Water		2/24/2010 15:00	2/25/2010 08:40	☐
1002698-15	MW-21 022410	Water		2/24/2010 15:30	2/25/2010 08:40	☐
1002698-16	MW-12	Water		2/24/2010 14:20	2/25/2010 08:40	☐
1002698-17	MW-1 022510	Water		2/25/2010 11:50	2/26/2010 08:50	☐
1002698-18	MW-2 022510	Water		2/25/2010 11:21	2/26/2010 08:50	☐
1002698-19	MW-4 022510	Water		2/25/2010 10:50	2/26/2010 08:50	☐
1002698-20	MW-5 022510	Water		2/25/2010 11:05	2/26/2010 08:50	☐
1002698-21	MW-15 022510	Water		2/25/2010 12:05	2/26/2010 08:50	☐
1002698-22	MW-20 022510	Water		2/25/2010 12:25	2/26/2010 08:50	☐
1002698-23	MW-22 022510	Water		2/25/2010 10:35	2/26/2010 08:50	☐
1002698-24	RW-1 022510	Water		2/25/2010 13:38	2/26/2010 08:50	☐
1002698-25	Dup 022510	Water		2/25/2010	2/26/2010 08:50	☐

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Work Order: 1002698

Case Narrative

Batch 41334, Metals, (sample West-MW), MS/MSD recoveries were outside the control limits.

Batch 41360, Metals, MS/MSD is for an unrelated sample.

Batch R87583, Anions, (sample Southwest-MW), MS/MSD recoveries were outside the control limits for Sulfate.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: Southwest-MW
Collection Date: 2/24/2010 12:12 PM

Work Order: 1002698
Lab ID: 1002698-01
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**1,020**		**5.0**	**50.0**	**mg/L**	100	3/3/2010 18:39
Magnesium	**274**		**3.9**	**20.0**	**mg/L**	100	3/3/2010 18:39
Potassium	**100**		**10**	**20.0**	**mg/L**	100	3/3/2010 18:39
Sodium	**2,580**		**10**	**20.0**	**mg/L**	100	3/3/2010 18:39
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**5,130**		**20.0**	**50.0**	**mg/L**	100	2/27/2010 19:29
Fluoride	**0.800**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 17:52
Nitrogen, Nitrate (As N)	**5.62**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 17:52
Sulfate	**670**		**20.0**	**50.0**	**mg/L**	100	2/27/2010 19:29
Surr: Selenate (surr)	*86.8*			*85-115*	*%REC*	1	2/25/2010 17:52
Surr: Selenate (surr)	*95.1*			*85-115*	*%REC*	100	2/27/2010 19:29
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**269**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**269**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**10,100**		**5.0**	**10.0**	**mg/L**	1	2/26/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: West-MW
Collection Date: 2/24/2010 11:51 AM

Work Order: 1002698
Lab ID: 1002698-02
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**167**		**0.50**	**5.00**	**mg/L**	10	3/3/2010 17:57
Magnesium	**50.4**		**0.39**	**2.00**	**mg/L**	10	3/3/2010 17:57
Potassium	**25.8**		**1.0**	**2.00**	**mg/L**	10	3/3/2010 17:57
Sodium	**406**		**1.0**	**2.00**	**mg/L**	10	3/3/2010 17:57
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**896**		**4.00**	**10.0**	**mg/L**	20	2/27/2010 20:12
Fluoride	**0.888**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 18:57
Nitrogen, Nitrate (As N)	**3.58**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 18:57
Sulfate	**228**		**4.00**	**10.0**	**mg/L**	20	2/27/2010 20:12
Surr: Selenate (surr)	*93.8*			*85-115*	*%REC*	1	2/25/2010 18:57
Surr: Selenate (surr)	*95.8*			*85-115*	*%REC*	20	2/27/2010 20:12
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**227**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**227**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**2,310**		**5.0**	**10.0**	**mg/L**	1	2/26/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-3
Collection Date: 2/24/2010 12:29 PM

Work Order: 1002698
Lab ID: 1002698-03
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**65.0**		**0.050**	**0.500**	**mg/L**	1	3/2/2010 19:05
Magnesium	**17.5**		**0.039**	**0.200**	**mg/L**	1	3/2/2010 19:05
Potassium	**15.1**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 19:05
Sodium	**938**		**5.0**	**10.0**	**mg/L**	50	3/3/2010 18:44
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**1,380**		**4.00**	**10.0**	**mg/L**	20	2/27/2010 20:33
Fluoride	**1.49**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 19:18
Nitrogen, Nitrate (As N)	**8.81**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 19:18
Sulfate	**248**		**4.00**	**10.0**	**mg/L**	20	2/27/2010 20:33
Surr: Selenate (surr)	*95.1*			*85-115*	*%REC*	1	2/25/2010 19:18
Surr: Selenate (surr)	*96.8*			*85-115*	*%REC*	20	2/27/2010 20:33
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**237**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**237**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**2,670**		**5.0**	**10.0**	**mg/L**	1	2/26/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-6
Collection Date: 2/24/2010 12:51 PM

Work Order: 1002698
Lab ID: 1002698-04
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**39.7**		**0.050**	**0.500**	**mg/L**	1	3/2/2010 19:10
Magnesium	**10.6**		**0.039**	**0.200**	**mg/L**	1	3/2/2010 19:10
Potassium	**9.02**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 19:10
Sodium	**558**		**5.0**	**10.0**	**mg/L**	50	3/3/2010 18:49
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**780**		**2.00**	**5.00**	**mg/L**	10	2/27/2010 20:55
Fluoride	**2.07**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 19:40
Nitrogen, Nitrate (As N)	**7.89**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 19:40
Sulfate	**193**		**2.00**	**5.00**	**mg/L**	10	2/27/2010 20:55
Surr: Selenate (surr)	*94.2*			*85-115*	*%REC*	1	2/25/2010 19:40
Surr: Selenate (surr)	*97.4*			*85-115*	*%REC*	10	2/27/2010 20:55
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**243**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**243**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**1,910**		**5.0**	**10.0**	**mg/L**	1	2/26/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-7
Collection Date: 2/24/2010 01:08 PM

Work Order: 1002698
Lab ID: 1002698-05
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**34.3**		**0.050**	**0.500**	**mg/L**	1	3/2/2010 19:15
Magnesium	**9.10**		**0.039**	**0.200**	**mg/L**	1	3/2/2010 19:15
Potassium	**3.56**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 19:15
Sodium	**310**		**5.0**	**10.0**	**mg/L**	50	3/3/2010 18:54
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**282**		**1.00**	**2.50**	**mg/L**	5	2/27/2010 21:59
Fluoride	**2.54**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 20:01
Nitrogen, Nitrate (As N)	**4.08**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 20:01
Sulfate	**106**		**1.00**	**2.50**	**mg/L**	5	2/27/2010 21:59
Surr: Selenate (surr)	*95.9*			*85-115*	*%REC*	1	2/25/2010 20:01
Surr: Selenate (surr)	*97.7*			*85-115*	*%REC*	5	2/27/2010 21:59
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**263**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**263**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**1,000**		**5.0**	**10.0**	**mg/L**	1	2/26/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-8
Collection Date: 2/24/2010 01:27 PM

Work Order: 1002698
Lab ID: 1002698-06
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**56.4**		**0.050**	**0.500**	**mg/L**	1	3/2/2010 19:21
Magnesium	**16.1**		**0.039**	**0.200**	**mg/L**	1	3/2/2010 19:21
Potassium	**5.07**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 19:21
Sodium	**510**		**5.0**	**10.0**	**mg/L**	50	3/3/2010 19:00
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**754**		**2.00**	**5.00**	**mg/L**	10	2/27/2010 22:20
Fluoride	**3.16**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 21:06
Nitrogen, Nitrate (As N)	**6.58**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 21:06
Sulfate	**160**		**2.00**	**5.00**	**mg/L**	10	2/27/2010 22:20
Surr: Selenate (surr)	*93.8*			*85-115*	*%REC*	1	2/25/2010 21:06
Surr: Selenate (surr)	*97.5*			*85-115*	*%REC*	10	2/27/2010 22:20
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**255**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**255**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**1,760**		**5.0**	**10.0**	**mg/L**	1	2/26/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-9
Collection Date: 2/24/2010 01:47 PM

Work Order: 1002698
Lab ID: 1002698-07
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**249**		**5.0**	**50.0**	**mg/L**	100	3/3/2010 19:05
Magnesium	**65.5**		**0.039**	**0.200**	**mg/L**	1	3/2/2010 19:36
Potassium	**9.21**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 19:36
Sodium	**1,220**		**10**	**20.0**	**mg/L**	100	3/3/2010 19:05
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**2,070**		**5.00**	**12.5**	**mg/L**	25	2/27/2010 22:41
Fluoride	**1.00**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 21:28
Nitrogen, Nitrate (As N)	**3.56**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 21:28
Sulfate	**452**		**5.00**	**12.5**	**mg/L**	25	2/27/2010 22:41
Surr: Selenate (surr)	*95.6*			*85-115*	*%REC*	1	2/25/2010 21:28
Surr: Selenate (surr)	*97.4*			*85-115*	*%REC*	25	2/27/2010 22:41
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**304**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**304**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**4,370**		**5.0**	**10.0**	**mg/L**	1	2/26/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-10
Collection Date: 2/24/2010 01:58 PM

Work Order: 1002698
Lab ID: 1002698-08
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**670**		**5.0**	**50.0**	**mg/L**	100	3/3/2010 19:21
Magnesium	**228**		**3.9**	**20.0**	**mg/L**	100	3/3/2010 19:21
Potassium	**12.7**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 19:41
Sodium	**399**		**10**	**20.0**	**mg/L**	100	3/3/2010 19:21
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**2,840**		**8.00**	**20.0**	**mg/L**	40	2/27/2010 23:03
Fluoride	**0.458**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 21:49
Nitrogen, Nitrate (As N)	**3.26**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 21:49
Sulfate	**126**		**8.00**	**20.0**	**mg/L**	40	2/27/2010 23:03
Surr: Selenate (surr)	*95.3*			*85-115*	*%REC*	1	2/25/2010 21:49
Surr: Selenate (surr)	*97.0*			*85-115*	*%REC*	40	2/27/2010 23:03
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**126**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**126**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**5,720**		**5.0**	**10.0**	**mg/L**	1	2/26/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-13
Collection Date: 2/24/2010 03:10 PM

Work Order: 1002698
Lab ID: 1002698-09
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**452**		**5.0**	**50.0**	**mg/L**	100	3/3/2010 19:26
Magnesium	**139**		**0.039**	**0.200**	**mg/L**	1	3/2/2010 19:47
Potassium	**13.0**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 19:47
Sodium	**160**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 19:47
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**1,570**		**4.00**	**10.0**	**mg/L**	20	2/27/2010 23:24
Fluoride	**1.05**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 22:11
Nitrogen, Nitrate (As N)	**3.53**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 22:11
Sulfate	**150**		**4.00**	**10.0**	**mg/L**	20	2/27/2010 23:24
Surr: Selenate (surr)	*87.7*			*85-115*	*%REC*	1	2/25/2010 22:11
Surr: Selenate (surr)	*96.9*			*85-115*	*%REC*	20	2/27/2010 23:24
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**91.1**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**91.1**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**3,400**		**5.0**	**10.0**	**mg/L**	1	2/26/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-16
Collection Date: 2/24/2010 02:38 PM

Work Order: 1002698
Lab ID: 1002698-10
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**173**		**0.050**	**0.500**	**mg/L**	1	3/2/2010 19:52
Magnesium	**46.9**		**0.039**	**0.200**	**mg/L**	1	3/2/2010 19:52
Potassium	**5.73**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 19:52
Sodium	**318**		**5.0**	**10.0**	**mg/L**	50	3/3/2010 19:31
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**866**		**2.00**	**5.00**	**mg/L**	10	2/27/2010 23:45
Fluoride	**1.05**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 22:32
Nitrogen, Nitrate (As N)	**4.75**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 22:32
Sulfate	**132**		**2.00**	**5.00**	**mg/L**	10	2/27/2010 23:45
Surr: Selenate (surr)	*91.7*			*85-115*	*%REC*	1	2/25/2010 22:32
Surr: Selenate (surr)	*97.5*			*85-115*	*%REC*	10	2/27/2010 23:45
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**194**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**194**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**1,980**		**5.0**	**10.0**	**mg/L**	1	2/26/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: WW-1 022410
Collection Date: 2/24/2010 12:30 PM

Work Order: 1002698
Lab ID: 1002698-11
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**80.1**		**0.10**	**1.00**	**mg/L**	2	3/3/2010 19:36
Magnesium	**27.2**		**0.078**	**0.400**	**mg/L**	2	3/3/2010 19:36
Potassium	**4.93**		**0.20**	**0.400**	**mg/L**	2	3/3/2010 19:36
Sodium	**107**		**0.20**	**0.400**	**mg/L**	2	3/3/2010 19:36
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**246**		**1.00**	**2.50**	**mg/L**	5	2/28/2010 00:07
Fluoride	**1.23**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 22:54
Nitrogen, Nitrate (As N)	**2.89**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 22:54
Sulfate	**115**		**1.00**	**2.50**	**mg/L**	5	2/28/2010 00:07
Surr: Selenate (surr)	*95.1*			*85-115*	*%REC*	1	2/25/2010 22:54
Surr: Selenate (surr)	*97.7*			*85-115*	*%REC*	5	2/28/2010 00:07
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**128**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**128**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**804**		**5.0**	**10.0**	**mg/L**	1	3/1/2010 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-14 022410
Collection Date: 2/24/2010 02:05 PM

Work Order: 1002698
Lab ID: 1002698-12
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**752**		**1.0**	**10.0**	**mg/L**	20	3/3/2010 19:41
Magnesium	**218**		**0.78**	**4.00**	**mg/L**	20	3/3/2010 19:41
Potassium	**18.9**		**2.0**	**4.00**	**mg/L**	20	3/3/2010 19:41
Sodium	**1,480**		**2.0**	**4.00**	**mg/L**	20	3/3/2010 19:41
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**4,280**		**10.0**	**25.0**	**mg/L**	50	2/28/2010 00:28
Fluoride	**1.04**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 23:15
Nitrogen, Nitrate (As N)	**3.36**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 23:15
Sulfate	**844**		**10.0**	**25.0**	**mg/L**	50	2/28/2010 00:28
Surr: Selenate (surr)	*86.9*			*85-115*	*%REC*	1	2/25/2010 23:15
Surr: Selenate (surr)	*97.3*			*85-115*	*%REC*	50	2/28/2010 00:28
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**107**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**107**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**9,530**		**5.0**	**10.0**	**mg/L**	1	3/1/2010 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-17 022410
Collection Date: 2/24/2010 01:40 PM

Work Order: 1002698
Lab ID: 1002698-13
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**90.6**		**0.25**	**2.50**	**mg/L**	5	3/3/2010 19:47
Magnesium	**30.9**		**0.20**	**1.00**	**mg/L**	5	3/3/2010 19:47
Potassium	**5.36**		**0.50**	**1.00**	**mg/L**	5	3/3/2010 19:47
Sodium	**265**		**0.50**	**1.00**	**mg/L**	5	3/3/2010 19:47
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**512**		**2.00**	**5.00**	**mg/L**	10	2/28/2010 00:50
Fluoride	**1.85**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 23:37
Nitrogen, Nitrate (As N)	**3.60**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 23:37
Sulfate	**148**		**2.00**	**5.00**	**mg/L**	10	2/28/2010 00:50
Surr: Selenate (surr)	*91.4*			*85-115*	*%REC*	1	2/25/2010 23:37
Surr: Selenate (surr)	*97.1*			*85-115*	*%REC*	10	2/28/2010 00:50
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**182**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**182**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**1,380**		**5.0**	**10.0**	**mg/L**	1	3/1/2010 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-19 022410
Collection Date: 2/24/2010 03:00 PM

Work Order: 1002698
Lab ID: 1002698-14
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**1,110**		**1.0**	**10.0**	**mg/L**	20	3/3/2010 19:52
Magnesium	**427**		**0.78**	**4.00**	**mg/L**	20	3/3/2010 19:52
Potassium	**28.2**		**2.0**	**4.00**	**mg/L**	20	3/3/2010 19:52
Sodium	**809**		**2.0**	**4.00**	**mg/L**	20	3/3/2010 19:52
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**4,720**		**10.0**	**25.0**	**mg/L**	50	2/28/2010 01:11
Fluoride	**0.443**		**0.0500**	**0.100**	**mg/L**	1	2/25/2010 23:58
Nitrogen, Nitrate (As N)	**3.73**		**0.0300**	**0.100**	**mg/L**	1	2/25/2010 23:58
Sulfate	**457**		**10.0**	**25.0**	**mg/L**	50	2/28/2010 01:11
Surr: Selenate (surr)	*94.3*			*85-115*	*%REC*	1	2/25/2010 23:58
Surr: Selenate (surr)	*97.4*			*85-115*	*%REC*	50	2/28/2010 01:11
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**91.1**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/2/2010 09:00
Alkalinity, Total (As CaCO3)	**91.1**		**2.0**	**5.00**	**mg/L**	1	3/2/2010 09:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**9,080**		**5.0**	**10.0**	**mg/L**	1	3/1/2010 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-21 022410
Collection Date: 2/24/2010 03:30 PM

Work Order: 1002698
Lab ID: 1002698-15
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**123**		**0.50**	**5.00**	**mg/L**	10	3/3/2010 20:07
Magnesium	**37.8**		**0.39**	**2.00**	**mg/L**	10	3/3/2010 20:07
Potassium	**7.93**		**1.0**	**2.00**	**mg/L**	10	3/3/2010 20:07
Sodium	**100**		**1.0**	**2.00**	**mg/L**	10	3/3/2010 20:07
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**280**		**1.00**	**2.50**	**mg/L**	5	2/28/2010 02:15
Fluoride	**1.79**		**0.0500**	**0.100**	**mg/L**	1	2/26/2010 00:20
Nitrogen, Nitrate (As N)	**4.04**		**0.0300**	**0.100**	**mg/L**	1	2/26/2010 00:20
Sulfate	**143**		**1.00**	**2.50**	**mg/L**	5	2/28/2010 02:15
Surr: Selenate (surr)	*90.9*			*85-115*	*%REC*	1	2/26/2010 00:20
Surr: Selenate (surr)	*97.9*			*85-115*	*%REC*	5	2/28/2010 02:15
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**184**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Total (As CaCO3)	**184**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**1,030**		**5.0**	**10.0**	**mg/L**	1	3/1/2010 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-12
Collection Date: 2/24/2010 02:20 PM

Work Order: 1002698
Lab ID: 1002698-16
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**626**		**0.50**	**5.00**	**mg/L**	10	3/3/2010 20:13
Magnesium	**218**		**0.39**	**2.00**	**mg/L**	10	3/3/2010 20:13
Potassium	**12.9**		**1.0**	**2.00**	**mg/L**	10	3/3/2010 20:13
Sodium	**214**		**1.0**	**2.00**	**mg/L**	10	3/3/2010 20:13
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**2,120**		**5.00**	**12.5**	**mg/L**	25	2/28/2010 02:36
Fluoride	**0.612**		**0.0500**	**0.100**	**mg/L**	1	2/26/2010 01:24
Nitrogen, Nitrate (As N)	**3.74**		**0.0300**	**0.100**	**mg/L**	1	2/26/2010 01:24
Sulfate	**69.4**		**0.200**	**0.500**	**mg/L**	1	2/26/2010 01:24
Surr: Selenate (surr)	*88.5*			*85-115*	*%REC*	1	2/26/2010 01:24
Surr: Selenate (surr)	*97.8*			*85-115*	*%REC*	25	2/28/2010 02:36
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**89.1**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Total (As CaCO3)	**89.1**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**4,290**		**5.0**	**10.0**	**mg/L**	1	3/1/2010 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-1 022510
Collection Date: 2/25/2010 11:50 AM

Work Order: 1002698
Lab ID: 1002698-17
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 3/1/10		Analyst: **ALR**
Calcium	**57.5**		**0.25**	**2.50**	**mg/L**	5	3/3/2010 20:18
Magnesium	**21.2**		**0.20**	**1.00**	**mg/L**	5	3/3/2010 20:18
Potassium	**4.28**		**0.50**	**1.00**	**mg/L**	5	3/3/2010 20:18
Sodium	**105**		**0.50**	**1.00**	**mg/L**	5	3/3/2010 20:18
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**167**		**1.00**	**2.50**	**mg/L**	5	2/28/2010 02:58
Fluoride	**1.79**		**0.0500**	**0.100**	**mg/L**	1	2/26/2010 18:59
Nitrogen, Nitrate (As N)	**3.23**		**0.0300**	**0.100**	**mg/L**	1	2/26/2010 18:59
Sulfate	**83.1**		**0.200**	**0.500**	**mg/L**	1	2/26/2010 18:59
Surr: Selenate (surr)	*92.9*			*85-115*	*%REC*	1	2/26/2010 18:59
Surr: Selenate (surr)	*97.9*			*85-115*	*%REC*	5	2/28/2010 02:58
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**172**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Total (As CaCO3)	**172**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**684**		**5.0**	**10.0**	**mg/L**	1	3/1/2010 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-2 022510
Collection Date: 2/25/2010 11:21 AM

Work Order: 1002698
Lab ID: 1002698-18
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**27.4**		**0.25**	**2.50**	**mg/L**	5	3/3/2010 20:23
Magnesium	**8.51**		**0.20**	**1.00**	**mg/L**	5	3/3/2010 20:23
Potassium	**4.72**		**0.50**	**1.00**	**mg/L**	5	3/3/2010 20:23
Sodium	**333**		**0.50**	**1.00**	**mg/L**	5	3/3/2010 20:23
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**380**		**2.00**	**5.00**	**mg/L**	10	2/28/2010 03:19
Fluoride	**1.39**		**0.0500**	**0.100**	**mg/L**	1	2/26/2010 19:42
Nitrogen, Nitrate (As N)	**5.78**		**0.0300**	**0.100**	**mg/L**	1	2/26/2010 19:42
Sulfate	**157**		**2.00**	**5.00**	**mg/L**	10	2/28/2010 03:19
Surr: Selenate (surr)	*91.7*			*85-115*	*%REC*	1	2/26/2010 19:42
Surr: Selenate (surr)	*97.5*			*85-115*	*%REC*	10	2/28/2010 03:19
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**255**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Total (As CaCO3)	**255**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**1,130**		**5.0**	**10.0**	**mg/L**	1	3/1/2010 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-4 022510
Collection Date: 2/25/2010 10:50 AM

Work Order: 1002698
Lab ID: 1002698-19
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**378**		**1.0**	**10.0**	**mg/L**	20	3/3/2010 20:28
Magnesium	**107**		**0.78**	**4.00**	**mg/L**	20	3/3/2010 20:28
Potassium	**40.0**		**2.0**	**4.00**	**mg/L**	20	3/3/2010 20:28
Sodium	**1,830**		**2.0**	**4.00**	**mg/L**	20	3/3/2010 20:28
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**3,590**		**20.0**	**50.0**	**mg/L**	100	2/28/2010 03:40
Fluoride	**0.230**		**0.0500**	**0.100**	**mg/L**	1	2/26/2010 20:03
Nitrogen, Nitrate (As N)	**5.94**		**0.0300**	**0.100**	**mg/L**	1	2/26/2010 20:03
Sulfate	**478**		**20.0**	**50.0**	**mg/L**	100	2/28/2010 03:40
Surr: Selenate (surr)	*87.6*			*85-115*	*%REC*	1	2/26/2010 20:03
Surr: Selenate (surr)	*97.4*			*85-115*	*%REC*	100	2/28/2010 03:40
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**338**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Total (As CaCO3)	**338**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**7,940**		**5.0**	**10.0**	**mg/L**	1	3/1/2010 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-5 022510
Collection Date: 2/25/2010 11:05 AM

Work Order: 1002698
Lab ID: 1002698-20
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/1/10			Analyst: **ALR**
Calcium	**58.0**		**1.0**	**10.0**	**mg/L**	20	3/4/2010 14:16
Magnesium	**19.0**		**0.78**	**4.00**	**mg/L**	20	3/4/2010 14:16
Potassium	**16.5**		**2.0**	**4.00**	**mg/L**	20	3/4/2010 14:16
Sodium	**232**		**2.0**	**4.00**	**mg/L**	20	3/4/2010 14:16
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**326**		**2.00**	**5.00**	**mg/L**	10	2/28/2010 05:06
Fluoride	**1.02**		**0.0500**	**0.100**	**mg/L**	1	2/26/2010 20:24
Nitrogen, Nitrate (As N)	**6.27**		**0.0300**	**0.100**	**mg/L**	1	2/26/2010 20:24
Sulfate	**195**		**2.00**	**5.00**	**mg/L**	10	2/28/2010 05:06
Surr: Selenate (surr)	*90.4*			*85-115*	*%REC*	1	2/26/2010 20:24
Surr: Selenate (surr)	*97.4*			*85-115*	*%REC*	10	2/28/2010 05:06
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**223**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Total (As CaCO3)	**223**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**1,120**		**5.0**	**10.0**	**mg/L**	1	3/2/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-15 022510
Collection Date: 2/25/2010 12:05 PM

Work Order: 1002698
Lab ID: 1002698-21
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/2/10			Analyst: **SKS**
Calcium	**301**		**1.0**	**10.0**	**mg/L**	20	3/3/2010 18:58
Magnesium	**116**		**0.039**	**0.200**	**mg/L**	1	3/2/2010 21:27
Potassium	**12.5**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 21:27
Sodium	**135**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 21:27
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**1,120**		**4.00**	**10.0**	**mg/L**	20	2/28/2010 06:52
Fluoride	**0.972**		**0.0500**	**0.100**	**mg/L**	1	2/26/2010 20:46
Nitrogen, Nitrate (As N)	**2.84**		**0.0300**	**0.100**	**mg/L**	1	2/26/2010 20:46
Sulfate	**74.0**		**4.00**	**10.0**	**mg/L**	20	2/28/2010 06:52
Surr: Selenate (surr)	*87.5*			*85-115*	*%REC*	1	2/26/2010 20:46
Surr: Selenate (surr)	*97.4*			*85-115*	*%REC*	20	2/28/2010 06:52
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**99.2**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Total (As CaCO3)	**99.2**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**2,450**		**5.0**	**10.0**	**mg/L**	1	3/2/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-20 022510
Collection Date: 2/25/2010 12:25 PM

Work Order: 1002698
Lab ID: 1002698-22
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/2/10			Analyst: **SKS**
Calcium	**402**		**5.0**	**50.0**	**mg/L**	100	3/3/2010 19:04
Magnesium	**146**		**0.039**	**0.200**	**mg/L**	1	3/2/2010 21:33
Potassium	**13.9**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 21:33
Sodium	**229**		**10**	**20.0**	**mg/L**	100	3/3/2010 19:04
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**1,500**		**20.0**	**50.0**	**mg/L**	100	2/28/2010 07:14
Fluoride	**0.802**		**0.0500**	**0.100**	**mg/L**	1	2/26/2010 21:07
Nitrogen, Nitrate (As N)	**4.03**		**0.0300**	**0.100**	**mg/L**	1	2/26/2010 21:07
Sulfate	**98.8**		**20.0**	**50.0**	**mg/L**	100	2/28/2010 07:14
Surr: Selenate (surr)	*93.4*			*85-115*	*%REC*	1	2/26/2010 21:07
Surr: Selenate (surr)	*91.8*			*85-115*	*%REC*	100	2/28/2010 07:14
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**107**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Total (As CaCO3)	**107**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**3,460**		**5.0**	**10.0**	**mg/L**	1	3/2/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW-22 022510
Collection Date: 2/25/2010 10:35 AM

Work Order: 1002698
Lab ID: 1002698-23
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/2/10			Analyst: **SKS**
Calcium	**802**		**5.0**	**50.0**	**mg/L**	100	3/3/2010 19:10
Magnesium	**251**		**3.9**	**20.0**	**mg/L**	100	3/3/2010 19:10
Potassium	**15.4**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 21:39
Sodium	**590**		**10**	**20.0**	**mg/L**	100	3/3/2010 19:10
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**3,630**		**20.0**	**50.0**	**mg/L**	100	2/28/2010 07:35
Fluoride	**0.265**		**0.0500**	**0.100**	**mg/L**	1	2/26/2010 22:11
Nitrogen, Nitrate (As N)	**2.92**		**0.0300**	**0.100**	**mg/L**	1	2/26/2010 22:11
Sulfate	**166**		**20.0**	**50.0**	**mg/L**	100	2/28/2010 07:35
Surr: Selenate (surr)	*89.0*			*85-115*	*%REC*	1	2/26/2010 22:11
Surr: Selenate (surr)	*96.7*			*85-115*	*%REC*	100	2/28/2010 07:35
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**142**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Total (As CaCO3)	**142**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**7,060**		**5.0**	**10.0**	**mg/L**	1	3/2/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: RW-1 022510
Collection Date: 2/25/2010 01:38 PM

Work Order: 1002698
Lab ID: 1002698-24
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/2/10			Analyst: **SKS**
Calcium	**680**		**5.0**	**50.0**	**mg/L**	100	3/3/2010 19:16
Magnesium	**180**		**3.9**	**20.0**	**mg/L**	100	3/3/2010 19:16
Potassium	**75.6**		**10**	**20.0**	**mg/L**	100	3/3/2010 19:16
Sodium	**1,650**		**10**	**20.0**	**mg/L**	100	3/3/2010 19:16
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**4,890**		**20.0**	**50.0**	**mg/L**	100	2/28/2010 07:56
Fluoride	**0.343**		**0.0500**	**0.100**	**mg/L**	1	2/26/2010 22:32
Nitrogen, Nitrate (As N)	**4.28**		**0.0300**	**0.100**	**mg/L**	1	2/26/2010 22:32
Sulfate	**650**		**20.0**	**50.0**	**mg/L**	100	2/28/2010 07:56
Surr: Selenate (surr)	*86.7*			*85-115*	*%REC*	1	2/26/2010 22:32
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	100	2/28/2010 07:56
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**263**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Total (As CaCO3)	**263**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**8,870**		**5.0**	**10.0**	**mg/L**	1	3/2/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *12-Mar-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: Dup 022510
Collection Date: 2/25/2010

Work Order: 1002698
Lab ID: 1002698-25
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 3/2/10			Analyst: **SKS**
Calcium	**52.6**		**0.050**	**0.500**	**mg/L**	1	3/2/2010 22:46
Magnesium	**17.6**		**0.039**	**0.200**	**mg/L**	1	3/2/2010 22:46
Potassium	**4.34**		**0.50**	**1.00**	**mg/L**	5	3/3/2010 19:40
Sodium	**103**		**0.10**	**0.200**	**mg/L**	1	3/2/2010 22:46
ANIONS		Method: **E300**					Analyst: **JBA**
Chloride	**157**		**1.00**	**2.50**	**mg/L**	5	2/28/2010 08:18
Fluoride	**1.68**		**0.0500**	**0.100**	**mg/L**	1	2/27/2010 10:15
Nitrogen, Nitrate (As N)	U		0.0300	0.100	mg/L	1	2/27/2010 10:15
Sulfate	**83.9**		**0.200**	**0.500**	**mg/L**	1	2/27/2010 10:15
Surr: Selenate (surr)	*91.2*			*85-115*	*%REC*	1	2/27/2010 10:15
Surr: Selenate (surr)	*106*			*85-115*	*%REC*	5	2/28/2010 08:18
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**192**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	3/4/2010 12:00
Alkalinity, Total (As CaCO3)	**192**		**2.0**	**5.00**	**mg/L**	1	3/4/2010 12:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **TDW**
Total Dissolved Solids (Residue, Filterable)	**544**		**5.0**	**10.0**	**mg/L**	1	3/2/2010 17:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 12-Mar-10

Client: Conestoga-Rovers & Associates

Work Order: 1002698

Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **41334** Instrument ID **ICPMS03** Method: **SW6020** **(Dissolve)**

MBLK Sample ID: **MBLKW4-030110-41334** Units: **mg/L** Analysis Date: **3/3/2010 05:47 PM**

Client ID: Run ID: **ICPMS03_100303A** SeqNo: **1893448** Prep Date: **3/1/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	0.08348	0.50								J
Magnesium	U	0.20								
Potassium	U	0.20								
Sodium	U	0.20								

LCS Sample ID: **MLCSW4-030110-41334** Units: **mg/L** Analysis Date: **3/3/2010 05:52 PM**

Client ID: Run ID: **ICPMS03_100303A** SeqNo: **1893451** Prep Date: **3/1/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	5.13	0.50	5	0	103	80-120	0			
Magnesium	5.101	0.20	5	0	102	80-120	0			
Potassium	5.143	0.20	5	0	103	80-120	0			
Sodium	5.181	0.20	5	0	104	80-120	0			

MS Sample ID: **1002698-02AMS** Units: **mg/L** Analysis Date: **3/3/2010 06:13 PM**

Client ID: **West-MW** Run ID: **ICPMS03_100303A** SeqNo: **1893455** Prep Date: **3/1/2010** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	169.3	5.0	5	167.1	44	75-125	0			SO
Magnesium	54.81	2.0	5	50.43	87.6	75-125	0			O
Potassium	29.71	2.0	5	25.84	77.4	75-125	0			O
Sodium	396.6	2.0	5	405.8	-184	75-125	0			SO

MSD Sample ID: **1002698-02AMSD** Units: **mg/L** Analysis Date: **3/3/2010 06:18 PM**

Client ID: **West-MW** Run ID: **ICPMS03_100303A** SeqNo: **1893456** Prep Date: **3/1/2010** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	166.1	5.0	5	167.1	-20	75-125	169.3	1.91	25	SO
Magnesium	57.9	2.0	5	50.43	149	75-125	54.81	5.48	25	SO
Potassium	31.75	2.0	5	25.84	118	75-125	29.71	6.64	25	O
Sodium	425.6	2.0	5	405.8	396	75-125	396.6	7.05	25	SO

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **41334** Instrument ID **ICPMS03** Method: **SW6020** **(Dissolve)**

DUP Sample ID: **1002698-02ADUP** Units: **mg/L** Analysis Date: **3/3/2010 06:03 PM**

Client ID: **West-MW** Run ID: **ICPMS03_100303A** SeqNo: **1893453** Prep Date: **3/1/2010** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	177.2	5.0	0	0	0	0-0	167.1	5.87	25	
Magnesium	53.41	2.0	0	0	0	0-0	50.43	5.74	25	
Potassium	26.7	2.0	0	0	0	0-0	25.84	3.27	25	
Sodium	421.4	2.0	0	0	0	0-0	405.8	3.77	25	

The following samples were analyzed in this batch:

1002698-01A	1002698-02A	1002698-03A
1002698-04A	1002698-05A	1002698-06A
1002698-07A	1002698-08A	1002698-09A
1002698-10A	1002698-11A	1002698-12A
1002698-13A	1002698-14A	1002698-15A
1002698-16A	1002698-17A	1002698-18A
1002698-19A	1002698-20A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **41360** Instrument ID **ICP7500** Method: **SW6020** **(Dissolve)**

MBLK Sample ID: **MBLKW4-030210-41360** Units: **mg/L** Analysis Date: **3/2/2010 09:15 PM**
Client ID: Run ID: **ICP7500_100302A** SeqNo: **1892518** Prep Date: **3/2/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	U	0.50								
Magnesium	U	0.20								
Potassium	U	0.20								
Sodium	U	0.20								

LCS Sample ID: **MLCSW4-030210-41360** Units: **mg/L** Analysis Date: **3/2/2010 09:21 PM**
Client ID: Run ID: **ICP7500_100302A** SeqNo: **1892520** Prep Date: **3/2/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	5.393	0.50	5	0	108	80-120	0			
Magnesium	4.91	0.20	5	0	98.2	80-120	0			
Potassium	5.164	0.20	5	0	103	80-120	0			
Sodium	4.968	0.20	5	0	99.4	80-120	0			

MS Sample ID: **1002782-31BMS** Units: **mg/L** Analysis Date: **3/2/2010 11:22 PM**
Client ID: Run ID: **ICP7500_100302A** SeqNo: **1892544** Prep Date: **3/2/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	118	0.50	5	114.1	78	75-125	0			O
Magnesium	11.44	0.20	5	6.551	97.8	75-125	0			
Sodium	43.67	0.20	5	39.81	77.2	75-125	0			O

MS Sample ID: **1002782-31BMS** Units: **mg/L** Analysis Date: **3/3/2010 07:58 PM**
Client ID: Run ID: **ICP7500_100303A** SeqNo: **1893700** Prep Date: **3/2/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Potassium	7.79	0.20	5	2.827	99.3	75-125	0			

MSD Sample ID: **1002782-31BMSD** Units: **mg/L** Analysis Date: **3/2/2010 11:28 PM**
Client ID: Run ID: **ICP7500_100302A** SeqNo: **1892545** Prep Date: **3/2/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	118.5	0.50	5	114.1	88	75-125	118	0.423	25	O
Magnesium	11.28	0.20	5	6.551	94.6	75-125	11.44	1.41	25	
Sodium	43.07	0.20	5	39.81	65.2	75-125	43.67	1.38	25	SO

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **41360** Instrument ID **ICP7500** Method: **SW6020** **(Dissolve)**

MSD Sample ID: **1002782-31BMSD** Units: **mg/L** Analysis Date: **3/3/2010 08:04 PM**
Client ID: Run ID: **ICP7500_100303A** SeqNo: **1893701** Prep Date: **3/2/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Potassium	7.858	0.20	5	2.827	101	75-125	7.79	0.869	25	

DUP Sample ID: **1002782-31BDUP** Units: **mg/L** Analysis Date: **3/2/2010 11:16 PM**
Client ID: Run ID: **ICP7500_100302A** SeqNo: **1892543** Prep Date: **3/2/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	110.1	0.50	0	0	0	0-0	114.1	3.57	25	
Magnesium	6.292	0.20	0	0	0	0-0	6.551	4.03	25	
Sodium	38.1	0.20	0	0	0	0-0	39.81	4.39	25	

DUP Sample ID: **1002782-31BDUP** Units: **mg/L** Analysis Date: **3/3/2010 07:52 PM**
Client ID: Run ID: **ICP7500_100303A** SeqNo: **1893699** Prep Date: **3/2/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Potassium	2.805	0.20	0	0	0	0-0	2.827	0.781	25	

The following samples were analyzed in this batch:

1002698-21A	1002698-22A	1002698-23A
1002698-24A	1002698-25A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R87583** Instrument ID **ICS3K2** Method: **E300**

MBLK Sample ID: **WBLKW1-022510-R87583** Units: **mg/L** Analysis Date: **2/25/2010 05:31 PM**
Client ID: Run ID: **ICS3K2_100225A** SeqNo: **1889063** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluoride	U	0.10								
Nitrogen, Nitrate (As N)	U	0.10								
Sulfate	U	0.50								
Surr: Selenate (surr)	*4.38*	0.10	*5*	0	*87.6*	*85-115*	0			

LCS Sample ID: **WLCSW1-022510-R87583** Units: **mg/L** Analysis Date: **2/25/2010 04:48 PM**
Client ID: Run ID: **ICS3K2_100225A** SeqNo: **1889057** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluoride	4.082	0.10	4	0	102	90-110	0			
Nitrogen, Nitrate (As N)	3.921	0.10	4	0	98	90-110	0			
Sulfate	19.34	0.50	20	0	96.7	90-110	0			
Surr: Selenate (surr)	*4.598*	0.10	*5*	0	*92*	*85-115*	0			

LCSD Sample ID: **WLCSDW1-022510-R87583** Units: **mg/L** Analysis Date: **2/25/2010 05:09 PM**
Client ID: Run ID: **ICS3K2_100225A** SeqNo: **1889060** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluoride	4.175	0.10	4	0	104	90-110	4.082	2.25	20	
Nitrogen, Nitrate (As N)	4.035	0.10	4	0	101	90-110	3.921	2.87	20	
Sulfate	19.68	0.50	20	0	98.4	90-110	19.34	1.75	20	
Surr: Selenate (surr)	*4.701*	0.10	*5*	0	*94*	*85-115*	4.598	*2.22*	*20*	

MS Sample ID: **1002698-01BMS** Units: **mg/L** Analysis Date: **2/25/2010 06:14 PM**
Client ID: **Southwest-MW** Run ID: **ICS3K2_100225A** SeqNo: **1889068** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluoride	2.549	0.10	2	0.8	87.4	80-120	0			
Nitrogen, Nitrate (As N)	7.449	0.10	2	5.615	91.7	80-120	0			
Sulfate	680.3	0.50	10	681.5	-12.3	80-120	0			SEO
Surr: Selenate (surr)	*4.592*	0.10	*5*	0	*91.8*	*85-115*	0			

MSD Sample ID: **1002698-01BMSD** Units: **mg/L** Analysis Date: **2/25/2010 06:35 PM**
Client ID: **Southwest-MW** Run ID: **ICS3K2_100225A** SeqNo: **1889070** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Fluoride	2.487	0.10	2	0.8	84.4	80-120	2.549	2.46	20	
Nitrogen, Nitrate (As N)	7.358	0.10	2	5.615	87.2	80-120	7.449	1.23	20	
Sulfate	669.4	0.50	10	681.5	-121	80-120	680.3	1.61	20	SEO
Surr: Selenate (surr)	*4.418*	0.10	*5*	0	*88.4*	*85-115*	4.592	*3.86*	*20*	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R87583** Instrument ID **ICS3K2** Method: **E300**

The following samples were analyzed in this batch:

1002698-01B	1002698-02B	1002698-03B
1002698-04B	1002698-05B	1002698-06B
1002698-07B	1002698-08B	1002698-09B
1002698-10B	1002698-11B	1002698-12B
1002698-13B	1002698-14B	1002698-15B
1002698-16B	1002698-17B	1002698-18B
1002698-19B	1002698-20B	1002698-21B
1002698-22B	1002698-23B	1002698-24B
1002698-25B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R87654** Instrument ID **Balance1** Method: **M2540C**

MBLK Sample ID: **BLANK-R87654** Units: **mg/L** Analysis Date: **2/26/2010 05:00 PM**

Client ID: Run ID: **BALANCE1_100226G** SeqNo: **1890256** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	U	10								

DUP Sample ID: **1002698-01BDUP** Units: **mg/L** Analysis Date: **2/26/2010 05:00 PM**

Client ID: **Southwest-MW** Run ID: **BALANCE1_100226G** SeqNo: **1890241** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	10310	10	0	0	0	0-0	10140	1.7	20	

The following samples were analyzed in this batch:

1002698-01B	1002698-02B	1002698-03B
1002698-04B	1002698-05B	1002698-06B
1002698-07B	1002698-08B	1002698-09B
1002698-10B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R87660** Instrument ID **ICS3000** Method: **E300**

MBLK Sample ID: **WBLKW1-022710-R87660** Units: **mg/L** Analysis Date: **2/27/2010 05:43 PM**
Client ID: Run ID: **ICS3000_100227A** SeqNo: **1890375** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	U	0.50								
Sulfate	U	0.50								
Surr: Selenate (surr)	*4.782*	0.10	*5*	0	*95.6*	*85-115*	0			

MBLK Sample ID: **WBLKW2-022710-R87660** Units: **mg/L** Analysis Date: **2/28/2010 04:02 AM**
Client ID: Run ID: **ICS3000_100227A** SeqNo: **1890406** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	U	0.50								
Sulfate	U	0.50								
Surr: Selenate (surr)	*4.763*	0.10	*5*	0	*95.3*	*85-115*	0			

LCS Sample ID: **WLCSW1-022710-R87660** Units: **mg/L** Analysis Date: **2/27/2010 06:04 PM**
Client ID: Run ID: **ICS3000_100227A** SeqNo: **1890376** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	19.44	0.50	20	0	97.2	90-110	0			
Sulfate	19.32	0.50	20	0	96.6	90-110	0			
Surr: Selenate (surr)	*4.837*	0.10	*5*	0	*96.7*	*85-115*	0			

LCS Sample ID: **WLCSKW2-022710-R87660** Units: **mg/L** Analysis Date: **2/28/2010 04:23 AM**
Client ID: Run ID: **ICS3000_100227A** SeqNo: **1890407** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	19.45	0.50	20	0	97.2	90-110	0			
Sulfate	19.41	0.50	20	0	97	90-110	0			
Surr: Selenate (surr)	*4.838*	0.10	*5*	0	*96.8*	*85-115*	0			

LCSD Sample ID: **WLCSDW1-022710-R87660** Units: **mg/L** Analysis Date: **2/27/2010 06:25 PM**
Client ID: Run ID: **ICS3000_100227A** SeqNo: **1890377** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	19.45	0.50	20	0	97.2	90-110	19.45	0.0103	20	
Sulfate	19.41	0.50	20	0	97	90-110	19.41	0	20	
Surr: Selenate (surr)	*4.838*	0.10	*5*	0	*96.8*	*85-115*	4.838	*0*	*20*	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R87660** Instrument ID **ICS3000** Method: **E300**

LCSD Sample ID: **WLCSDW2-022710-R87660** Units: **mg/L** Analysis Date: **2/28/2010 04:44 AM**
Client ID: Run ID: **ICS3000_100227A** SeqNo: **1890408** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	19.6	0.50	20	0	98	90-110	19.45	0.753	20	
Sulfate	19.44	0.50	20	0	97.2	90-110	19.41	0.149	20	
Surr: Selenate (surr)	*4.848*	0.10	*5*	0	*97*	*85-115*	4.838	*0.206*	*20*	

MS Sample ID: **1002700-01FMS** Units: **mg/L** Analysis Date: **2/27/2010 06:47 PM**
Client ID: Run ID: **ICS3000_100227A** SeqNo: **1890379** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	695.4	5.0	100	580.5	115	80-120	0			O
Sulfate	153.1	5.0	100	51.76	101	80-120	0			
Surr: Selenate (surr)	*49.03*	1.0	*50*	0	*98.1*	*85-115*	0			

MSD Sample ID: **1002700-01FMS** Units: **mg/L** Analysis Date: **2/27/2010 07:08 PM**
Client ID: Run ID: **ICS3000_100227A** SeqNo: **1890380** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	698	5.0	100	580.5	118	80-120	695.4	0.379	20	O
Sulfate	153.3	5.0	100	51.76	102	80-120	153.1	0.153	20	
Surr: Selenate (surr)	*49.26*	1.0	*50*	0	*98.5*	*85-115*	49.03	*0.474*	*20*	

MSD Sample ID: **1002698-20BMS** Units: **mg/L** Analysis Date: **2/28/2010 05:27 AM**
Client ID: **MW-5 022510** Run ID: **ICS3000_100227A** SeqNo: **1890410** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	435.4	5.0	100	326.3	109	80-120	0			
Sulfate	299.4	5.0	100	195	104	80-120	0			
Surr: Selenate (surr)	*49.94*	1.0	*50*	0	*99.9*	*85-115*	0			

MSD Sample ID: **1002698-20BMSD** Units: **mg/L** Analysis Date: **2/28/2010 06:31 AM**
Client ID: **MW-5 022510** Run ID: **ICS3000_100227A** SeqNo: **1890413** Prep Date: DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	435.5	5.0	100	326.3	109	80-120	0			
Sulfate	301.5	5.0	100	195	106	80-120	0			
Surr: Selenate (surr)	*50.03*	1.0	*50*	0	*100*	*85-115*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R87660** Instrument ID **ICS3000** Method: **E300**

The following samples were analyzed in this batch:

1002698-01B	1002698-02B	1002698-03B
1002698-04B	1002698-05B	1002698-06B
1002698-07B	1002698-08B	1002698-09B
1002698-10B	1002698-11B	1002698-12B
1002698-13B	1002698-14B	1002698-15B
1002698-16B	1002698-17B	1002698-18B
1002698-19B	1002698-20B	1002698-21B
1002698-22B	1002698-23B	1002698-24B
1002698-25B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R87691** Instrument ID **ICS3000** Method: **E300**

MBLK Sample ID: **WBLKW1-022610-R87691** Units: **mg/L** Analysis Date: **2/26/2010 05:55 PM**
Client ID: Run ID: **ICS3000_100225B** SeqNo: **1891116** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	U	0.10								
Fluoride	U	0.10								
Nitrogen, Nitrate (As N)	U	0.10								
Sulfate	U	0.50								
Surr: Selenate (surr)	*4.767*	0.10	*5*	0	*95.3*	*85-115*	0			

LCS Sample ID: **WLCSW1-022610-R87691** Units: **mg/L** Analysis Date: **2/26/2010 06:16 PM**
Client ID: Run ID: **ICS3000_100225B** SeqNo: **1891117** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	3.963	0.10	4	0	99.1	90-110	0			
Fluoride	4.349	0.10	4	0	109	90-110	0			
Nitrogen, Nitrate (As N)	4.041	0.10	4	0	101	90-110	0			
Sulfate	20.26	0.50	20	0	101	90-110	0			
Surr: Selenate (surr)	*4.751*	0.10	*5*	0	*95*	*85-115*	0			

LCSD Sample ID: **WLCSDW1-022610-R87691** Units: **mg/L** Analysis Date: **2/26/2010 06:38 PM**
Client ID: Run ID: **ICS3000_100225B** SeqNo: **1891118** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	3.956	0.10	4	0	98.9	90-110	3.963	0.177	20	
Fluoride	4.345	0.10	4	0	109	90-110	4.349	0.092	20	
Nitrogen, Nitrate (As N)	4.035	0.10	4	0	101	90-110	4.041	0.149	20	
Sulfate	20.32	0.50	20	0	102	90-110	20.26	0.306	20	
Surr: Selenate (surr)	*4.745*	0.10	*5*	0	*94.9*	*85-115*	4.751	*0.126*	*20*	

MS Sample ID: **1002698-17BMS** Units: **mg/L** Analysis Date: **2/26/2010 07:20 PM**
Client ID: **MW-1 022510** Run ID: **ICS3000_100225B** SeqNo: **1891120** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	2.664	0.10	2	0.834	91.5	80-120	0			
Fluoride	3.896	0.10	2	1.794	105	80-120	0			
Nitrogen, Nitrate (As N)	5.121	0.10	2	3.233	94.4	80-120	0			
Sulfate	91.34	0.50	10	83.15	81.9	80-120	0			O
Surr: Selenate (surr)	*4.531*	0.10	*5*	0	*90.6*	*85-115*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R87691** Instrument ID **ICS3000** Method: **E300**

MSD Sample ID: **1002698-17BMSD** Units: **mg/L** Analysis Date: **2/27/2010 10:36 AM**

Client ID: **MW-1 022510** Run ID: **ICS3000_100225B** SeqNo: **1891131** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	2.754	0.10	2	0.834	96	80-120	2.664	3.32	20	
Fluoride	3.986	0.10	2	1.794	110	80-120	3.896	2.28	20	
Nitrogen, Nitrate (As N)	5.254	0.10	2	3.233	101	80-120	5.121	2.56	20	
Sulfate	93.71	0.50	10	83.15	106	80-120	91.34	2.56	20	O
Surr: Selenate (surr)	*4.674*	0.10	*5*	0	*93.5*	*85-115*	4.531	*3.11*	*20*	

The following samples were analyzed in this batch:

1002698-17B	1002698-18B	1002698-19B
1002698-20B	1002698-21B	1002698-22B
1002698-23B	1002698-24B	1002698-25B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R87719** Instrument ID **WetChem** Method: **SM2320B**

MBLK Sample ID: **WBLKW1-3210-R87719** Units: **mg/L** Analysis Date: **3/2/2010 09:00 AM**
Client ID: Run ID: **WETCHEM_100302E** SeqNo: **1891591** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	U	5.0								
Alkalinity, Carbonate (As CaCO3)	U	5.0								
Alkalinity, Hydroxide (As CaCO3)	U	5.0								
Alkalinity, Total (As CaCO3)	U	5.0								

LCS Sample ID: **WLCSW1-3210-R87719** Units: **mg/L** Analysis Date: **3/2/2010 09:00 AM**
Client ID: Run ID: **WETCHEM_100302E** SeqNo: **1891592** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	1012	5.0	1000	0	101	80-120	0			
Alkalinity, Total (As CaCO3)	1012	5.0	1000	0	101	80-120	0			

DUP Sample ID: **1002707-01ddup** Units: **mg/L** Analysis Date: **3/2/2010 09:00 AM**
Client ID: Run ID: **WETCHEM_100302E** SeqNo: **1891612** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	80.97	5.0	0	0	0	0-0	80.97	0	20	
Alkalinity, Carbonate (As CaCO3)	U	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	U	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Total (As CaCO3)	80.97	5.0	0	0	0	0-0	80.97	0	20	

The following samples were analyzed in this batch:

1002698-01B	1002698-02B	1002698-03B
1002698-04B	1002698-05B	1002698-06B
1002698-07B	1002698-08B	1002698-09B
1002698-10B	1002698-11B	1002698-12B
1002698-13B	1002698-14B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R87722** Instrument ID **Balance1** Method: **M2540C**

MBLK Sample ID: **BLANK-R87722** Units: **mg/L** Analysis Date: **3/1/2010 04:00 PM**
Client ID: Run ID: **BALANCE1_100301E** SeqNo: **1891698** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	U	10								

LCS Sample ID: **LCS-R87722** Units: **mg/L** Analysis Date: **3/1/2010 04:00 PM**
Client ID: Run ID: **BALANCE1_100301E** SeqNo: **1891699** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	906	10	1000	0	90.6	85-115	0			

DUP Sample ID: **1002717-03ADUP** Units: **mg/L** Analysis Date: **3/1/2010 04:00 PM**
Client ID: Run ID: **BALANCE1_100301E** SeqNo: **1891697** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	6460	10	0	0	0	0-0	6320	2.19	20	

The following samples were analyzed in this batch:

1002698-11B	1002698-12B	1002698-13B
1002698-14B	1002698-15B	1002698-16B
1002698-17B	1002698-18B	1002698-19B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R87748** Instrument ID **Balance1** Method: **M2540C**

MBLK Sample ID: **BLANK-R87748** Units: **mg/L** Analysis Date: **3/2/2010 05:00 PM**
Client ID: Run ID: **BALANCE1_100302E** SeqNo: **1892329** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	U	10								

LCS Sample ID: **lcs-R87748** Units: **mg/L** Analysis Date: **3/2/2010 05:00 PM**
Client ID: Run ID: **BALANCE1_100302E** SeqNo: **1892330** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	988	10	1000	0	98.8	85-115	0			

DUP Sample ID: **1003020-01ADUP** Units: **mg/L** Analysis Date: **3/2/2010 05:00 PM**
Client ID: Run ID: **BALANCE1_100302E** SeqNo: **1892323** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	6455	10	0	0	0	0-0	6600	2.22	20	

The following samples were analyzed in this batch:

1002698-20B	1002698-21B	1002698-22B
1002698-23B	1002698-24B	1002698-25B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1002698
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R87847** Instrument ID **WetChem** Method: **SM2320B**

MBLK Sample ID: **WBLKW1-3410-R87847** Units: **mg/L** Analysis Date: **3/4/2010 12:00 PM**
Client ID: Run ID: **WETCHEM_100304J** SeqNo: **1894463** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	U	5.0								
Alkalinity, Carbonate (As CaCO3)	U	5.0								
Alkalinity, Hydroxide (As CaCO3)	U	5.0								
Alkalinity, Total (As CaCO3)	U	5.0								

LCS Sample ID: **WLCSW1-3410-R87847** Units: **mg/L** Analysis Date: **3/4/2010 12:00 PM**
Client ID: Run ID: **WETCHEM_100304J** SeqNo: **1894464** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	1012	5.0	1000	0	101	80-120	0			
Alkalinity, Total (As CaCO3)	1012	5.0	1000	0	101	80-120	0			

DUP Sample ID: **1002698-15bdup** Units: **mg/L** Analysis Date: **3/4/2010 12:00 PM**
Client ID: **MW-21 022410** Run ID: **WETCHEM_100304J** SeqNo: **1894485** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	184.2	5.0	0	0	0	0-0	184.2	0	20	
Alkalinity, Carbonate (As CaCO3)	U	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	U	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Total (As CaCO3)	184.2	5.0	0	0	0	0-0	184.2	0	20	

The following samples were analyzed in this batch:

1002698-15B	1002698-16B	1002698-17B
1002698-18B	1002698-19B	1002698-20B
1002698-21B	1002698-22B	1002698-23B
1002698-24B	1002698-25B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Laboratory Group

Date: 12-Mar-10

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
WorkOrder: 1002698

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Units Reported	Description
mg/L	Milligrams per Liter

☐ **ALS Laboratory Group**
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Chain of Custody Form

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☐ **ALS Laboratory Group**
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ALS Project Manager: | **ALS Work Order #:** 1002657

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	G.L.Erwin	A	Dissolved Metals (6020/7000) Ca, Mg, K, Na
Work Order		Project Number	39124	B	Anions (300) Cl, F, SO4, NO3
Company Name	Conestoga-Rovers & Associates	Bill To Company	Conestoga-Rovers & Associates	C	Alkalinity
Send Report To	Patricia Lynch	Invoice Attn	Patricia Lynch	D	TDS
Address	6320 Rothway Ste. 100	Address	6320 Rothway, Suite 100	E	
				F	
City/State/Zip	Houston, TX 77040	City/State/Zip	Houston, TX 77040	G	
Phone	(713) 734-3090	Phone	(713) 734-3090	H	
Fax	(713) 264-6138	Fax	(713) 734-3391	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SOUTHWEST-MW	2-24-10	1212	W	—	2	X	X	X	X							
2	WEST-MW	2-24-10	1151	W	—	2	X	X	X	X							
3	MW-3	2-24-10	1229	W	—	2	X	X	X	X							
4	MW-6	2-24-10	1251	W	—	2	X	X	X	X							
5	MW-7	2-24-10	1308	W	—	2	X	X	X	X							
6	MW-8	2-24-10	1327	W	—	2	X	X	X	X							
7	MW-9	2-24-10	1347	W	—	2	X	X	X	X							
8	MW-10	2-24-10	1358	W	—	2	X	X	X	X							
9	MW-13	2-24-10	1510	W	—	2	X	X	X	X							
10	MW-16	2-24-10	1438	W	—	2	X	X	X	X							

Sampler(s) Please Print & Sign: JEREMY GRA

Shipment Method: Fedex

Required Turnaround Time: (Check Box) ☐ Other ☑ Std 10 WK Days ☐ 5 WK Days ☐ 2 WK Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
JEREMY GRA	2-24-10	1746	
Relinquished by:	Date:	Time:	Received by (Laboratory): 2/25/10 0940
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: 10 Day TAT. Dissolved Metals to be Filtered in the Lab.

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
- ☑ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other _____
- ☐ TRRP CheckList
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
2. Unless otherwise agreed in a formal contract, services provided by ALS Laboratory Group are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Chain of Custody Form

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ALS Laboratory Group
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ALS Project Manager: | ALS Work Order #: 1002697

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	G.L.Erwin	A	Dissolved Metals (6020/7000) Ca, Mg, K, Na
Work Order		Project Number	39124	B	Anions (300) Cl, F, SO4, NO3
Company Name	Conestoga-Rovers & Associates	Bill To Company	Conestoga-Rovers & Associates	C	Alkalinity
Send Report To	Patricia Lynch	Invoice Attn	Patricia Lynch	D	TDS
Address	6320 Rothway Ste. 100	Address	6320 Rothway, Suite 100	E	Temp
				F	
City/State/Zip	Houston, TX 77040	City/State/Zip	Houston, TX 77040	G	
Phone	(713) 734-3090	Phone	(713) 734-3090	H	
Fax	(713) 264-6138	Fax	(713) 734-3391	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-1 022410	2-24-10	1230	W	None	2	X	X	X	X							
2	MW-14 022410	2-24-10	1405	W	None	2	X	X	X	X							
3	MW-17 022410	2-24-10	1340	W	None	2	X	X	X	X							
4	MW-19 022410	2-24-10	1500	W	None	2	X	X	X	X							
5	MW-21 022410	2-24-10	1530	W	None	2	X	X	X	X							
6	Temp Blank	—	—	W	None	1					X						
7	Temp Blank	—	—	W	None	1					X						
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Cory Coleman

Shipment Method: Fedex

Required Turnaround Time: (Check Box) ☑ Std. 10 WK Days ☐ 5 WK Days ☐ 2 WK Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date: 2-24-10	Time: 1800	Received by:	
Relinquished by:	Date:	Time:	Received by (Laboratory):	2-25-10 0810
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Notes: 10 Day TAT. Dissolved Metals to be Filtered in the Lab.

Cooler ID | Cooler Temp

QC Package: (Check One Box Below)
- ☑ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other _____
- ☐ TRRP CheckList
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
2. Unless otherwise agreed in a formal contract, services provided by ALS Laboratory Group are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

FedEx. US Airbill
Express

8635 7203 2119

0200

Form ID No.

9625

1002698

FedEx Retrieval Copy

1 From
Date 2-24-10
Sender's FedEx Account Number 141114735
Sender's Name Coy Coleman
Phone 432 686-0086
Company CRA
Address 2135 S. Loop 250 W.
Dept./Floor/Suite/Room
City Midland State TX ZIP 79703

2 Your Internal Billing Reference

3 To
Recipient's Name Client Services
Phone
Company ALS Laboratory group
Recipient's Address 10450 Stanciff RD Suite 210

4a Express Package Service — Packages up to 150 lbs.
1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.
FedEx Envelope rate not available. Minimum charge: One-pound rate. * To most locations.

4b Express Freight Service — Packages over 150 lbs.
7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.
* Call for Confirmation. ** To most locations.

5 Packaging
6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other
* Declared value limit $500

6 Special Handling — Include FedEx address in Section 3.
3 [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 2Day Freight.
1 [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
31 [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.
[X] No 4 [ ] Yes — As per attached Shipper's Declaration 5 [ ] Yes — Shipper's Declaration not required 6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

FedEx. US Airbill
Express

8635 7203 2130

0200

Form ID No.

B/W

FedEx Retrieval Copy

1 From
Date 2-24-10
Sender's FedEx Account Number 141114735
Sender's Name Coy Coleman
Phone 432 686-0086
Company CRA
Address 2135 S. Loop 250 W.
Dept./Floor/Suite/Room
City Midland State TX ZIP 79703

2 Your Internal Billing Reference

3 To
Recipient's Name Client Services
Phone
Company ALS Laboratory group
Recipient's Address 10450 Stanciff RD Suite 210
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Dept./Floor/Suite/Room
Address
To request a package be held at a specific FedEx location, print FedEx address here.
City Houston State TX ZIP 77099

4a Express Package Service — Packages up to 150 lbs.
1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
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6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
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* Call for Confirmation. ** To most locations.

5 Packaging
6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other
* Declared value limit $500

6 Special Handling — Include FedEx address in Section 3.
3 [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 2Day Freight.
1 [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
31 [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.
[X] No 4 [ ] Yes — As per attached Shipper's Declaration 5 [ ] Yes — Shipper's Declaration not required 6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment — Bill to: Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No.
1 [X] Sender — Acct. No. in Section 1 will be billed. 2 [ ] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check

Total Packages 1 Total Weight 57

† Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details. Credit Card Auth.

8 Residential Delivery Signature Options — If you require a signature, check Direct or Indirect.
[ ] No Signature Required — Package may be left without obtaining a signature for delivery.
10 [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
34 [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

520

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ALS Laboratory Group
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL
Date: 2-24-10 Time: 1145
Name: J. Kimbrell
Company: CRA

Seal Broken By:
Date:

ALS Laboratory Group
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL
Date: 2-24-10 Time: 1136
Name: J. Kimbrell
Company: CRA

Seal Broken By:
Date: 2.25.10

☐ ALS Laboratory Group
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

Chain of Custody Form

Page ____ of ____

☐ ALS Laboratory Group
3352 128th Ave.
Holland, MI 49424-9263
Tel: +1 616 399 6070
Fax: +1 616 399 6185

1002698

ALS Project Manager: | ALS Work Order #: 1002698 AN 3-26-10

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	G.L.Erwin	A	Dissolved Metals (6020/7000) Ca, Mg, K, Na
Work Order		Project Number	39124	B	Anions (300) Cl, F, SO4, NO3
Company Name	Conestoga-Rovers & Associates	Bill To Company	Conestoga-Rovers & Associates	C	Alkalinity
Send Report To	Patrida Lynch	Invoice Attn	Patricia Lynch	D	TDS
Address	6320 Rothway Ste. 100	Address	6320 Rothway, Suite 100	E	Temp
				F	
City/State/Zip	Houston, TX 77040	City/State/Zip	Houston, TX 77040	G	
Phone	(713) 734-3090	Phone	(713) 734-3090	H	
Fax	(713) 264-6138	Fax	(713) 734-3391	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-1 022510	2-25-10	1150	W	None	2	X	X	X	X							
2	MW-2 022510	2-25-10	1121	W		2	X	X	X	X							
3	MW-4 022510	2-25-10	1050	W		2	X	X	X	X							
4	MW-5 022510	2-25-10	1105	W		2	X	X	X	X							
5	MW-15 022510	2-25-10	1205	W		2	X	X	X	X							
6	MW-20 022510	2-25-10	1225	W		2	X	X	X	X							
7	MW-22 022510	2-25-10	1035	W		2	X	X	X	X							
8	RW-1 022510	2-25-10	1338	W		2	X	X	X	X							
9	Dup 022510	2-25-10	—	W	None	2	X	X	X	X							
10	Temp Blank	2-25-10									X						

Sampler(s) Please Print & Sign: Jon Coleman

Shipment Method: Fedex

Required Turnaround Time: (Check Box) ☑ Std. 10 WK Days ☐ 5 WK Days ☐ 2 WK Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
	2-25-10	1533	
Relinquished by:	Date:	Time:	Received by (Laboratory):
			AT 3/26/10 08:50
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: 10 Day TAT. Dissolved Metals to be Filtered in the Lab.

Cooler ID | Cooler Temp

QC Package: (Check One Box Below)
☑ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☐ TRRP CheckList
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
2. Unless otherwise agreed in a formal contract, services provided by ALS Laboratory Group are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

ALS Laboratory Group
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel: +1 281 530 5656
Fax: +1 281 530 5887

Chain of Custody Form

Page ____ of ____

ALS Laboratory Group
3352 128th Ave.
Holland, MI 49424-9263
Tel: +1 616 399 6070
Fax: +1 616 399 6185

ALS Project Manager:

ALS Work Order #: 1002698

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	G.L. Erwin	A	Dissolved Metals (6020/7000) Ca, Mg, K, Na
Work Order		Project Number	39124	B	Anions (300) Cl, F, SO4, NO3
Company Name	Conestoga-Rovers & Associates	Bill To Company	Conestoga-Rovers & Associates	C	Alkalinity
Send Report To	Patricia Lynch	Invoice Attn	Patricia Lynch	D	TDS
Address	6320 Rothway Ste. 100	Address	6320 Rothway, Suite 100	E	Temp
				F	
City/State/Zip	Houston, TX 77040	City/State/Zip	Houston, TX 77040	G	
Phone	(713) 734-3090	Phone	(713) 734-3090	H	
Fax	(713) 264-6138	Fax	(713) 734-3391	I	
e-Mail Address		e-Mail Address		J	

No:	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-1 022410	2-24-10	1230	W	None	2	X	X	X	X							
2	MW-14 022410	2-24-10	1405	W	None	2	X	X	X	X							
3	MW-17 022410	2-24-10	1340	W	None	2	X	X	X	X							
4	MW-19 022410	2-24-10	1500	W	None	2	X	X	X	X							
5	MW-21 022410	2-24-10	1530	W	None	2	X	X	X	X							
6	Temp Blank	—	—	W	None	1					X						
7	Temp Blank	—	—	W	None	1					X						
8	MW-12 022410	2-24-10	1420	W	None	2	X	X	X	X							
9																	
10																	

Sampler(s) Please Print & Sign: Drew Coleman

Shipment Method: Fedex

Required Turnaround Time: (Check Box) ☑ Std. 10 W.K. Days ☐ 5 W.K. Days ☐ 2 W.K. Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
	2-24-10	1800	
Relinquished by:	Date:	Time:	Received by (Laboratory):
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: 10 Day TAT. Dissolved Metals to be Filtered in the Lab.

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
☑ Level II Std QC ☐ TRRP Check List
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
2. Unless otherwise agreed in a formal contract, services provided by ALS Laboratory Group are expressly limited to the terms and conditions stated on the reverse.

ALS Laboratory Group

Sample Receipt Checklist

Client Name: **CRA-HOU** Date/Time Received: **25-Feb-10 08:40**

Work Order: **1002698** Received by: **RDH**

Checklist completed by Robert D. Haris (eSignature) 25-Feb-10 (Date) Reviewed by: Heb Coomb (eSignature) 26-Feb-10 (Date)

Matrices: Water
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.9c, 2.3c	002	
Cooler(s)/Kit(s):	9634, 2532		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

FedEx Express US Airbill 8608 3754 8760 0200 Form ID No. FedEx Retrieval Copy

1 From
Date 2-25-10 Sender's FedEx Account Number [redacted] 2470-7613-1
Sender's Name Cory Coleman Phone 432 686-0086
Company CRA
Address 2135. S. Loop 250 W. Dept/Floor/Suite/Room
City Midland State TX ZIP 79705

2 Your Internal Billing Reference

3 To
Recipient's Name Client Services Phone
Company ALS Laboratory Services
Recipient's Address 10450 Stancliff RD Suite 210
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept/Floor/Suite/Room
Address
To request a package be held at a specific FedEx location, print FedEx address here.
City Houston State TX ZIP 77099

8608 3754 8760

2532

4a Express Package Service — *Packages up to 150 lbs.*
1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
20 [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.
FedEx Envelope rate not available. Minimum charge: One-pound rate. * To most locations.

4b Express Freight Service — *Packages over 150 lbs.*
7 [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.
* Call for Confirmation: ** To most locations.

5 Packaging
6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other
* Declared value limit $500.

6 Special Handling
Include FedEx address in Section 3.
3 [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
1 [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
31 [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.
Does this shipment contain dangerous goods? One box must be checked.
[X] No 4 [ ] Yes As per attached Shipper's Declaration. [ ] Yes Shipper's Declaration not required. 6 [ ] Dry Ice Dry Ice, 9, UN 1845 ____ x ____ kg
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below.
1 [ ] Sender Acct. No. in Section 1 will be billed. 2 [X] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check Obtain Recip. Acct. No. [ ]
[redacted] 24 [redacted]

Total Packages	Total Weight		Total Charges
1	47	[redacted]	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 *NEW* Residential Delivery Signature Options If you require a signature, check Direct or Indirect.
[ ] No Signature Required — Package may be left without obtaining a signature for delivery.
10 [ ] Direct Signature — Anyone at recipient's address may sign for delivery. Fee applies.
34 [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. Fee applies.
520

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ALS Laboratory Grou
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL
Date: 2-25-10 Time: 1530
Name: J. [illegible]
Company: CRA
Seal Broken By: [illegible]
Date: 2/26/10

1002698
W.O.# ~~1002755~~ RG 2/26/1

FedEx. US Airbill Express

8608 3754 8759

0200 Form ID No.

FedEx Retrieval Copy

1 From

Date 2-25-10 Sender's FedEx Account Number [redacted] 2470-7613-1

Sender's Name Cory Coleman Phone 432 686-0086

Company CRA

Address 2135 S. Loop 250 W.

Dept/Floor/Suite/Room

City Midland State TX ZIP 79705

2 Your Internal Billing Reference

3 To

Recipient's Name Client Services Phone

Company ALS Laboratory group

Recipient's Address 10450 Stancliff RD Suite 210

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept/Floor/Suite/Room

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City Houston State TX ZIP 77099

4a Express Package Service — Packages up to 150 lbs.

1 [X] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

6 [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.

3 [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

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FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service — Packages over 150 lbs.

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8 [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: ** To most locations.

5 Packaging

6 [ ] FedEx Envelope* 2 [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak. 3 [ ] FedEx Box 4 [ ] FedEx Tube 1 [X] Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

3 [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 2Day Freight.

1 [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.

31 [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

1 [X] No 4 [ ] Yes — As per attached Shipper's Declaration. [ ] Yes — Shipper's Declaration not required. 6 [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. [ ] Cargo Aircraft Only

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]

1 [ ] Sender — Acct. No. in Section 1 will be billed. 2 [X] Recipient 3 [ ] Third Party 4 [ ] Credit Card 5 [ ] Cash/Check

[redacted] 24[redacted]

Total Packages: 1 Total Weight: 10 Total Charges: Credit Card Auth

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 NEW Residential Delivery Signature Options — If you require a signature, check Direct or Indirect.

[ ] No Signature Required — Package may be left without obtaining a signature for delivery.

10 [ ] Direct Signature — Anyone at recipient's address may sign for delivery. Fee applies.

34 [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. Fee applies.

520

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8608 3754 8759

9634

Custody Seal 2-25-10

DATE

SIGNATURE

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

255110

1002698

W.O.# 1002698 FAX 4/26/10

ALS Environmental

13-Aug-2010

Patricia Lynch
Conestoga-Rovers & Associates
6320 Rothway, Suite 100
Houston, TX 77040

Tel: (713) 734-3090
Fax: (713) 734-3391

Re: G.L. Erwin - 039124 Work Order: **1007960**

Dear Patricia,

ALS Laboratory Group received 25 samples on 30-Jul-2010 for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 52.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Hector Coronado

Electronically approved by: Chris Bryson

Hector Coronado
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac

Certificate No: TX: T104704231-10-3

ALS Laboratory Group

Date: 13-Aug-10

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Work Order: **1007960**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1007960-01	MW - 1- 072810	Water		7/28/2010 10:55	7/30/2010 08:45	☐
1007960-02	MW - 2 - 072810	Water		7/28/2010 11:00	7/30/2010 08:45	☐
1007960-03	MW - 3 - 072810	Water		7/28/2010 13:45	7/30/2010 08:45	☐
1007960-04	MW - 4 - 072810	Water		7/28/2010 12:55	7/30/2010 08:45	☐
1007960-05	MW - 5 - 072810	Water		7/28/2010 13:55	7/30/2010 08:45	☐
1007960-06	MW - 6 - 072810	Water		7/28/2010 13:35	7/30/2010 08:45	☐
1007960-07	MW - 7 - 072810	Water		7/28/2010 11:10	7/30/2010 08:45	☐
1007960-08	MW - 8 - 072810	Water		7/28/2010 12:05	7/30/2010 08:45	☐
1007960-09	MW - 9 - 072810	Water		7/28/2010 13:05	7/30/2010 08:45	☐
1007960-10	MW - 10 - 072810	Water		7/28/2010 13:25	7/30/2010 08:45	☐
1007960-11	MW - 12 - 072810	Water		7/28/2010 11:50	7/30/2010 08:45	☐
1007960-12	MW - 13 - 072810	Water		7/28/2010 12:15	7/30/2010 08:45	☐
1007960-13	MW - 14 - 072810	Water		7/28/2010 11:20	7/30/2010 08:45	☐
1007960-14	MW - 15 - 072810	Water		7/28/2010 11:45	7/30/2010 08:45	☐
1007960-15	MW - 16 - 072810	Water		7/28/2010 12:00	7/30/2010 08:45	☐
1007960-16	MW - 17 - 072810	Water		7/28/2010 11:15	7/30/2010 08:45	☐
1007960-17	MW - 19 - 072810	Water		7/28/2010 11:25	7/30/2010 08:45	☐
1007960-18	MW - 20 - 072810	Water		7/28/2010 11:35	7/30/2010 08:45	☐
1007960-19	MW - 21 - 072810	Water		7/28/2010 11:30	7/30/2010 08:45	☐
1007960-20	MW - 22 - 072810	Water		7/28/2010 13:15	7/30/2010 08:45	☐
1007960-21	RW - 1 - 072810	Water		7/28/2010 12:35	7/30/2010 08:45	☐
1007960-22	SW. MW - 072810	Water		7/28/2010 12:25	7/30/2010 08:45	☐
1007960-23	W. MW - 072810	Water		7/28/2010 12:45	7/30/2010 08:45	☐
1007960-24	DUP - 072810	Water		7/28/2010 12:45	7/30/2010 08:45	☐
1007960-25	DUP - 2 - 072810	Water		7/28/2010 12:45	7/30/2010 08:45	☐

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Work Order: 1007960

Case Narrative

Batch 45073, Metals, (sample MW-6-072810), MS/MSD recoveries were outside the control limits.

Batch 45115, Metals, (sample 1008079-01), MS/MSD is for an unrelated sample.

Batch R95425, Anions by E300, (sample MW-1-072810 & MW-15-072810), MS/MSD recoveries were outside the control limits.

Batch R95428, Anions by E300, (sample Dup-2-072810), MS/MSD recoveries were outside the control limits.

Batch R95474, Anions by E300, (sample MW-1-072810), MS/MSD recoveries were outside the control limits.

Batch R95502, Anions by E300, (sample Dup-2-072810), MS/MSD recoveries were outside the control limits.

Batch R95557, Anions by E300, (sample 1008160-01), MS/MSD is for an unrelated sample.

Batch R95631, Anions by E300, (sample 1008396-01), MS/MSD is for an unrelated sample.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 1- 072810
Collection Date: 7/28/2010 10:55 AM

Work Order: 1007960
Lab ID: 1007960-01
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/5/10		Analyst: **SKS**
Calcium	**51.1**		**0.050**	**0.500**	**mg/L**	1	8/5/2010 23:34
Magnesium	**17.1**		**0.039**	**0.200**	**mg/L**	1	8/5/2010 23:34
Potassium	**3.82**		**0.10**	**0.200**	**mg/L**	1	8/5/2010 23:34
Sodium	**91.6**		**0.10**	**0.200**	**mg/L**	1	8/5/2010 23:34
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**147**		**2.00**	**5.00**	**mg/L**	10	8/8/2010 12:18
Fluoride	**1.88**		**0.0500**	**0.100**	**mg/L**	1	8/7/2010 22:46
Sulfate	**84.8**		**0.200**	**0.500**	**mg/L**	1	8/7/2010 22:46
Nitrate/Nitrite (as N)	**2.56**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 15:54
Surr: Selenate (surr)	*106*			*85-115*	*%REC*	1	8/7/2010 22:46
Surr: Selenate (surr)	*104*			*85-115*	*%REC*	10	8/8/2010 12:18
Surr: Selenate (surr)	*110*			*85-115*	*%REC*	1	8/9/2010 15:54
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**168**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**168**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**564**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 2 - 072810
Collection Date: 7/28/2010 11:00 AM

Work Order: 1007960
Lab ID: 1007960-02
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 8/5/10			Analyst: **SKS**
Calcium	**20.8**		**0.050**	**0.500**	**mg/L**	1	8/5/2010 23:40
Magnesium	**5.56**		**0.039**	**0.200**	**mg/L**	1	8/5/2010 23:40
Potassium	**4.29**		**0.10**	**0.200**	**mg/L**	1	8/5/2010 23:40
Sodium	**354**		**10**	**20.0**	**mg/L**	100	8/6/2010 18:19
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**273**		**2.00**	**5.00**	**mg/L**	10	8/7/2010 23:51
Fluoride	**1.58**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 12:40
Sulfate	**167**		**2.00**	**5.00**	**mg/L**	10	8/7/2010 23:51
Nitrate/Nitrite (as N)	**4.68**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 16:38
Surr: Selenate (surr)	*107*			*85-115*	*%REC*	10	8/7/2010 23:51
Surr: Selenate (surr)	*98.4*			*85-115*	*%REC*	1	8/8/2010 12:40
Surr: Selenate (surr)	*103*			*85-115*	*%REC*	1	8/9/2010 16:38
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**275**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**275**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**1,010**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 3 - 072810
Collection Date: 7/28/2010 01:45 PM

Work Order: 1007960
Lab ID: 1007960-03
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/5/10		Analyst: **SKS**
Calcium	**84.8**		**0.050**	**0.500**	**mg/L**	1	8/5/2010 23:46
Magnesium	**24.6**		**0.039**	**0.200**	**mg/L**	1	8/5/2010 23:46
Potassium	**14.1**		**0.10**	**0.200**	**mg/L**	1	8/5/2010 23:46
Sodium	**857**		**10**	**20.0**	**mg/L**	100	8/6/2010 18:24
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**1,230**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 01:40
Fluoride	**1.68**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 13:01
Sulfate	**259**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 01:40
Nitrate/Nitrite (as N)	**7.12**		**0.300**	**1.00**	**mg/L**	10	8/10/2010 17:33
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	100	8/8/2010 01:40
Surr: Selenate (surr)	*97.3*			*85-115*	*%REC*	1	8/8/2010 13:01
Surr: Selenate (surr)	*102*			*85-115*	*%REC*	10	8/10/2010 17:33
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**221**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**221**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**2,680**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 4 - 072810
Collection Date: 7/28/2010 12:55 PM

Work Order: 1007960
Lab ID: 1007960-04
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/5/10		Analyst: **SKS**
Calcium	**273**		**5.0**	**50.0**	**mg/L**	100	8/6/2010 18:30
Magnesium	**62.8**		**0.039**	**0.200**	**mg/L**	1	8/5/2010 23:57
Potassium	**30.4**		**0.10**	**0.200**	**mg/L**	1	8/5/2010 23:57
Sodium	**1,840**		**10**	**20.0**	**mg/L**	100	8/6/2010 18:30
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**3,840**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 02:02
Fluoride	**0.452**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 13:23
Sulfate	**419**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 02:02
Nitrate/Nitrite (as N)	**4.00**		**0.300**	**1.00**	**mg/L**	10	8/10/2010 17:48
Surr: Selenate (surr)	*106*			*85-115*	*%REC*	100	8/8/2010 02:02
Surr: Selenate (surr)	*89.5*			*85-115*	*%REC*	1	8/8/2010 13:23
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	10	8/10/2010 17:48
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**283**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**283**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**8,820**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 5 - 072810
Collection Date: 7/28/2010 01:55 PM

Work Order: 1007960
Lab ID: 1007960-05
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 8/5/10			Analyst: **SKS**
Calcium	**51.3**		**0.050**	**0.500**	**mg/L**	1	8/6/2010 00:03
Magnesium	**14.6**		**0.039**	**0.200**	**mg/L**	1	8/6/2010 00:03
Potassium	**13.8**		**0.10**	**0.200**	**mg/L**	1	8/6/2010 00:03
Sodium	**257**		**10**	**20.0**	**mg/L**	100	8/6/2010 18:36
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**272**		**2.00**	**5.00**	**mg/L**	10	8/8/2010 02:23
Fluoride	**1.15**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 13:45
Sulfate	**189**		**2.00**	**5.00**	**mg/L**	10	8/8/2010 02:23
Nitrate/Nitrite (as N)	**4.61**		**0.0300**	**0.100**	**mg/L**	1	8/11/2010 20:49
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	10	8/8/2010 02:23
Surr: Selenate (surr)	*96.9*			*85-115*	*%REC*	1	8/8/2010 13:45
Surr: Selenate (surr)	*89.9*			*85-115*	*%REC*	1	8/11/2010 20:49
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**235**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**235**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**1,130**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 6 - 072810
Collection Date: 7/28/2010 01:35 PM

Work Order: 1007960
Lab ID: 1007960-06
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 8/5/10			Analyst: **SKS**
Calcium	**30.7**		**0.050**	**0.500**	**mg/L**	1	8/6/2010 01:22
Magnesium	**8.93**		**0.39**	**2.00**	**mg/L**	10	8/6/2010 18:42
Potassium	**10.3**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 18:42
Sodium	**591**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 18:42
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**702**		**2.00**	**5.00**	**mg/L**	10	8/8/2010 02:45
Fluoride	**2.23**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 14:06
Sulfate	**204**		**2.00**	**5.00**	**mg/L**	10	8/8/2010 02:45
Nitrate/Nitrite (as N)	**8.99**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 17:21
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	10	8/8/2010 02:45
Surr: Selenate (surr)	*96.8*			*85-115*	*%REC*	1	8/8/2010 14:06
Surr: Selenate (surr)	*94.4*			*85-115*	*%REC*	1	8/9/2010 17:21
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**247**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**247**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**1,740**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 7 - 072810
Collection Date: 7/28/2010 11:10 AM

Work Order: 1007960
Lab ID: 1007960-07
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/5/10		Analyst: **SKS**
Calcium	**28.5**		**0.050**	**0.500**	**mg/L**	1	8/6/2010 02:07
Magnesium	**9.03**		**0.039**	**0.200**	**mg/L**	1	8/6/2010 02:07
Potassium	**3.60**		**0.10**	**0.200**	**mg/L**	1	8/6/2010 02:07
Sodium	**265**		**10**	**20.0**	**mg/L**	100	8/6/2010 19:05
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**279**		**2.00**	**5.00**	**mg/L**	10	8/8/2010 03:07
Fluoride	**2.61**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 14:28
Sulfate	**113**		**2.00**	**5.00**	**mg/L**	10	8/8/2010 03:07
Nitrate/Nitrite (as N)	**3.39**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 18:05
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	10	8/8/2010 03:07
Surr: Selenate (surr)	*97.1*			*85-115*	*%REC*	1	8/8/2010 14:28
Surr: Selenate (surr)	*97.1*			*85-115*	*%REC*	1	8/9/2010 18:05
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**259**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**259**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**950**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 8 - 072810
Collection Date: 7/28/2010 12:05 PM

Work Order: 1007960
Lab ID: 1007960-08
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/5/10		Analyst: **SKS**
Calcium	**54.2**		**0.050**	**0.500**	**mg/L**	1	8/6/2010 02:13
Magnesium	**17.0**		**0.039**	**0.200**	**mg/L**	1	8/6/2010 02:13
Potassium	**4.75**		**0.10**	**0.200**	**mg/L**	1	8/6/2010 02:13
Sodium	**533**		**10**	**20.0**	**mg/L**	100	8/6/2010 19:11
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**711**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 03:29
Fluoride	**3.43**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 14:50
Sulfate	**164**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 03:29
Nitrate/Nitrite (as N)	**5.67**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 18:19
Surr: Selenate (surr)	*106*			*85-115*	*%REC*	100	8/8/2010 03:29
Surr: Selenate (surr)	*96.7*			*85-115*	*%REC*	1	8/8/2010 14:50
Surr: Selenate (surr)	*94.9*			*85-115*	*%REC*	1	8/9/2010 18:19
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**263**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**263**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**1,720**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 9 - 072810
Collection Date: 7/28/2010 01:05 PM

Work Order: 1007960
Lab ID: 1007960-09
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/5/10		Analyst: **SKS**
Calcium	**136**		**0.050**	**0.500**	**mg/L**	1	8/6/2010 02:19
Magnesium	**46.7**		**0.039**	**0.200**	**mg/L**	1	8/6/2010 02:19
Potassium	**7.65**		**0.10**	**0.200**	**mg/L**	1	8/6/2010 02:19
Sodium	**848**		**10**	**20.0**	**mg/L**	100	8/6/2010 19:28
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**1,260**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 03:50
Fluoride	**1.41**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 15:12
Sulfate	**413**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 03:50
Nitrate/Nitrite (as N)	**2.38**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 18:34
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	100	8/8/2010 03:50
Surr: Selenate (surr)	*95.8*			*85-115*	*%REC*	1	8/8/2010 15:12
Surr: Selenate (surr)	*93.3*			*85-115*	*%REC*	1	8/9/2010 18:34
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**312**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**312**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**3,100**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 10 - 072810
Collection Date: 7/28/2010 01:25 PM

Work Order: 1007960
Lab ID: 1007960-10
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 8/5/10			Analyst: **SKS**
Calcium	**842**		**5.0**	**50.0**	**mg/L**	100	8/6/2010 19:34
Magnesium	**292**		**3.9**	**20.0**	**mg/L**	100	8/6/2010 19:34
Potassium	**12.1**		**0.10**	**0.200**	**mg/L**	1	8/6/2010 02:24
Sodium	**501**		**10**	**20.0**	**mg/L**	100	8/6/2010 19:34
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**2,260**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 17:43
Fluoride	**0.822**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 04:12
Sulfate	**85.5**		**0.200**	**0.500**	**mg/L**	1	8/8/2010 04:12
Nitrate/Nitrite (as N)	**2.48**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 18:49
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	1	8/8/2010 04:12
Surr: Selenate (surr)	*102*			*85-115*	*%REC*	100	8/8/2010 17:43
Surr: Selenate (surr)	*95.2*			*85-115*	*%REC*	1	8/9/2010 18:49
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**89.1**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**89.1**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**6,840**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 12 - 072810
Collection Date: 7/28/2010 11:50 AM

Work Order: 1007960
Lab ID: 1007960-11
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 8/5/10			Analyst: **SKS**
Calcium	**681**		**5.0**	**50.0**	**mg/L**	100	8/6/2010 19:39
Magnesium	**240**		**3.9**	**20.0**	**mg/L**	100	8/6/2010 19:39
Potassium	**14.2**		**0.10**	**0.200**	**mg/L**	1	8/6/2010 02:36
Sodium	**279**		**10**	**20.0**	**mg/L**	100	8/6/2010 19:39
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**1,560**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 18:05
Fluoride	**1.47**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 04:34
Sulfate	**164**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 18:05
Nitrate/Nitrite (as N)	**2.84**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 19:03
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	1	8/8/2010 04:34
Surr: Selenate (surr)	*102*			*85-115*	*%REC*	100	8/8/2010 18:05
Surr: Selenate (surr)	*88.5*			*85-115*	*%REC*	1	8/9/2010 19:03
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**83.0**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**83.0**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**5,680**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 13 - 072810
Collection Date: 7/28/2010 12:15 PM

Work Order: 1007960
Lab ID: 1007960-12
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 8/5/10			Analyst: **SKS**
Calcium	**468**		**5.0**	**50.0**	**mg/L**	100	8/6/2010 19:45
Magnesium	**136**		**0.039**	**0.200**	**mg/L**	1	8/6/2010 02:42
Potassium	**12.1**		**0.10**	**0.200**	**mg/L**	1	8/6/2010 02:42
Sodium	**156**		**0.10**	**0.200**	**mg/L**	1	8/6/2010 02:42
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**4,340**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 18:27
Fluoride	**1.08**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 04:55
Sulfate	**921**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 18:27
Nitrate/Nitrite (as N)	**3.01**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 19:18
Surr: Selenate (surr)	*92.6*			*85-115*	*%REC*	1	8/8/2010 04:55
Surr: Selenate (surr)	*102*			*85-115*	*%REC*	100	8/8/2010 18:27
Surr: Selenate (surr)	*97.5*			*85-115*	*%REC*	1	8/9/2010 19:18
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**89.1**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**89.1**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**4,420**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 14 - 072810
Collection Date: 7/28/2010 11:20 AM

Work Order: 1007960
Lab ID: 1007960-13
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 8/5/10			Analyst: **SKS**
Calcium	**844**		**5.0**	**50.0**	**mg/L**	100	8/6/2010 19:51
Magnesium	**256**		**3.9**	**20.0**	**mg/L**	100	8/6/2010 19:51
Potassium	**15.1**		**0.10**	**0.200**	**mg/L**	1	8/6/2010 02:47
Sodium	**1,660**		**10**	**20.0**	**mg/L**	100	8/6/2010 19:51
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**4,290**		**20.0**	**50.0**	**mg/L**	100	8/12/2010 21:34
Fluoride	**1.18**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 06:44
Sulfate	**83.8**		**0.200**	**0.500**	**mg/L**	1	8/8/2010 06:44
Nitrate/Nitrite (as N)	**2.17**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 19:32
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	1	8/8/2010 06:44
Surr: Selenate (surr)	*91.9*			*85-115*	*%REC*	1	8/9/2010 19:32
Surr: Selenate (surr)	*106*			*85-115*	*%REC*	100	8/12/2010 21:34
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**107**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**107**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**9,500**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 15 - 072810
Collection Date: 7/28/2010 11:45 AM

Work Order: 1007960
Lab ID: 1007960-14
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/5/10		Analyst: **SKS**
Calcium	**337**		**5.0**	**50.0**	**mg/L**	100	8/6/2010 19:57
Magnesium	**110**		**0.039**	**0.200**	**mg/L**	1	8/6/2010 02:53
Potassium	**11.1**		**0.10**	**0.200**	**mg/L**	1	8/6/2010 02:53
Sodium	**128**		**0.10**	**0.200**	**mg/L**	1	8/6/2010 02:53
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**801**		**2.00**	**5.00**	**mg/L**	10	8/8/2010 19:10
Fluoride	**1.16**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 07:06
Sulfate	**152**		**2.00**	**5.00**	**mg/L**	10	8/8/2010 19:10
Nitrate/Nitrite (as N)	**2.02**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 19:47
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	1	8/8/2010 07:06
Surr: Selenate (surr)	*101*			*85-115*	*%REC*	10	8/8/2010 19:10
Surr: Selenate (surr)	*95.9*			*85-115*	*%REC*	1	8/9/2010 19:47
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**91.1**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/9/2010 14:00
Alkalinity, Total (As CaCO3)	**91.1**		**2.0**	**5.00**	**mg/L**	1	8/9/2010 14:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**3,350**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 16 - 072810
Collection Date: 7/28/2010 12:00 PM

Work Order: 1007960
Lab ID: 1007960-15
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/5/10		Analyst: **SKS**
Calcium	**157**		**0.50**	**5.00**	**mg/L**	10	8/6/2010 20:02
Magnesium	**50.5**		**0.39**	**2.00**	**mg/L**	10	8/6/2010 20:02
Potassium	**6.60**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 20:02
Sodium	**404**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 20:02
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**369**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 19:32
Fluoride	**2.38**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 07:27
Sulfate	**159**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 19:32
Nitrate/Nitrite (as N)	**4.43**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 21:29
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	1	8/8/2010 07:27
Surr: Selenate (surr)	*101*			*85-115*	*%REC*	100	8/8/2010 19:32
Surr: Selenate (surr)	*100*			*85-115*	*%REC*	1	8/9/2010 21:29
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**197**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Total (As CaCO3)	**197**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**2,050**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 17 - 072810
Collection Date: 7/28/2010 11:15 AM

Work Order: 1007960
Lab ID: 1007960-16
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 8/5/10			Analyst: **SKS**
Calcium	**87.7**		**0.50**	**5.00**	**mg/L**	10	8/6/2010 20:08
Magnesium	**28.8**		**0.39**	**2.00**	**mg/L**	10	8/6/2010 20:08
Potassium	**4.88**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 20:08
Sodium	**245**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 20:08
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**4,840**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 20:15
Fluoride	**0.801**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 07:49
Sulfate	**513**		**2.00**	**5.00**	**mg/L**	10	8/8/2010 19:54
Nitrate/Nitrite (as N)	**3.09**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 21:43
Surr: Selenate (surr)	*98.2*			*85-115*	*%REC*	1	8/8/2010 07:49
Surr: Selenate (surr)	*99.6*			*85-115*	*%REC*	10	8/8/2010 19:54
Surr: Selenate (surr)	*100*			*85-115*	*%REC*	100	8/8/2010 20:15
Surr: Selenate (surr)	*101*			*85-115*	*%REC*	1	8/9/2010 21:43
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**217**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Total (As CaCO3)	**217**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**1,390**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 19 - 072810
Collection Date: 7/28/2010 11:25 AM

Work Order: 1007960
Lab ID: 1007960-17
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/5/10		Analyst: **SKS**
Calcium	**1,160**		**0.50**	**5.00**	**mg/L**	10	8/6/2010 20:14
Magnesium	**407**		**0.39**	**2.00**	**mg/L**	10	8/6/2010 20:14
Potassium	**27.2**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 20:14
Sodium	**1,110**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 20:14
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**4,760**		**20.0**	**50.0**	**mg/L**	100	8/12/2010 21:56
Fluoride	**1.08**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 08:11
Sulfate	**130**		**2.00**	**5.00**	**mg/L**	10	8/8/2010 20:37
Nitrate/Nitrite (as N)	**3.30**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 21:58
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	1	8/8/2010 08:11
Surr: Selenate (surr)	*100*			*85-115*	*%REC*	10	8/8/2010 20:37
Surr: Selenate (surr)	*95.9*			*85-115*	*%REC*	1	8/9/2010 21:58
Surr: Selenate (surr)	*107*			*85-115*	*%REC*	100	8/12/2010 21:56
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**104**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Total (As CaCO3)	**104**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**10,400**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 20 - 072810
Collection Date: 7/28/2010 11:35 AM

Work Order: 1007960
Lab ID: 1007960-18
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/5/10		Analyst: **SKS**
Calcium	**451**		**0.50**	**5.00**	**mg/L**	10	8/6/2010 20:20
Magnesium	**156**		**0.39**	**2.00**	**mg/L**	10	8/6/2010 20:20
Potassium	**13.6**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 20:20
Sodium	**289**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 20:20
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**245**		**2.00**	**5.00**	**mg/L**	10	8/8/2010 22:26
Fluoride	**2.00**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 08:32
Sulfate	**143**		**2.00**	**5.00**	**mg/L**	10	8/9/2010 17:16
Nitrate/Nitrite (as N)	**3.43**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 22:12
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	1	8/8/2010 08:32
Surr: Selenate (surr)	*101*			*85-115*	*%REC*	10	8/8/2010 22:26
Surr: Selenate (surr)	*107*			*85-115*	*%REC*	10	8/9/2010 17:16
Surr: Selenate (surr)	*99.7*			*85-115*	*%REC*	1	8/9/2010 22:12
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**102**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Total (As CaCO3)	**10,200**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**4,740**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 21 - 072810
Collection Date: 7/28/2010 11:30 AM

Work Order: 1007960
Lab ID: 1007960-19
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/5/10		Analyst: **SKS**
Calcium	**109**		**0.50**	**5.00**	**mg/L**	10	8/6/2010 20:37
Magnesium	**34.3**		**0.39**	**2.00**	**mg/L**	10	8/6/2010 20:37
Potassium	**7.78**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 20:37
Sodium	**95.8**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 20:37
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**2,970**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 15:33
Fluoride	**0.610**		**0.0500**	**0.100**	**mg/L**	1	8/8/2010 08:54
Sulfate	**150**		**20.0**	**50.0**	**mg/L**	100	8/8/2010 15:33
Nitrate/Nitrite (as N)	**3.41**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 22:27
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	1	8/8/2010 08:54
Surr: Selenate (surr)	*102*			*85-115*	*%REC*	100	8/8/2010 15:33
Surr: Selenate (surr)	*98.5*			*85-115*	*%REC*	1	8/9/2010 22:27
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**168**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Total (As CaCO3)	**168**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**1,010**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: MW - 22 - 072810
Collection Date: 7/28/2010 01:15 PM

Work Order: 1007960
Lab ID: 1007960-20
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/5/10		Analyst: **SKS**
Calcium	**982**		**0.50**	**5.00**	**mg/L**	10	8/6/2010 20:43
Magnesium	**309**		**0.39**	**2.00**	**mg/L**	10	8/6/2010 20:43
Potassium	**15.9**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 20:43
Sodium	**865**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 20:43
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**3,640**		**20.0**	**50.0**	**mg/L**	100	8/9/2010 13:39
Fluoride	**0.644**		**0.0500**	**0.100**	**mg/L**	1	8/9/2010 17:59
Sulfate	**204**		**20.0**	**50.0**	**mg/L**	100	8/9/2010 13:39
Nitrate/Nitrite (as N)	**2.17**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 22:41
Surr: Selenate (surr)	*106*			*85-115*	*%REC*	100	8/9/2010 13:39
Surr: Selenate (surr)	*104*			*85-115*	*%REC*	1	8/9/2010 17:59
Surr: Selenate (surr)	*102*			*85-115*	*%REC*	1	8/9/2010 22:41
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**136**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Total (As CaCO3)	**136**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**8,760**		**5.0**	**10.0**	**mg/L**	1	8/3/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: RW - 1 - 072810
Collection Date: 7/28/2010 12:35 PM

Work Order: 1007960
Lab ID: 1007960-21
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/6/10		Analyst: **SKS**
Calcium	**442**		**0.50**	**5.00**	**mg/L**	10	8/6/2010 23:05
Magnesium	**132**		**0.39**	**2.00**	**mg/L**	10	8/6/2010 23:05
Potassium	**59.5**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 23:05
Sodium	**1,310**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 23:05
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**2,920**		**20.0**	**50.0**	**mg/L**	100	8/9/2010 14:00
Fluoride	**0.773**		**0.0500**	**0.100**	**mg/L**	1	8/9/2010 18:21
Sulfate	**455**		**20.0**	**50.0**	**mg/L**	100	8/9/2010 14:00
Nitrate/Nitrite (as N)	**4.98**		**0.0300**	**0.100**	**mg/L**	1	8/9/2010 22:56
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	100	8/9/2010 14:00
Surr: Selenate (surr)	*101*			*85-115*	*%REC*	1	8/9/2010 18:21
Surr: Selenate (surr)	*97.3*			*85-115*	*%REC*	1	8/9/2010 22:56
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**254**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Total (As CaCO3)	**254**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**7,200**		**5.0**	**10.0**	**mg/L**	1	8/4/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: SW. MW - 072810
Collection Date: 7/28/2010 12:25 PM

Work Order: 1007960
Lab ID: 1007960-22
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 8/6/10			Analyst: **SKS**
Calcium	**758**		**0.50**	**5.00**	**mg/L**	10	8/6/2010 23:11
Magnesium	**190**		**0.39**	**2.00**	**mg/L**	10	8/6/2010 23:11
Potassium	**67.6**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 23:11
Sodium	**1,770**		**1.0**	**2.00**	**mg/L**	10	8/6/2010 23:11
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**3,890**		**20.0**	**50.0**	**mg/L**	100	8/9/2010 14:22
Fluoride	**0.962**		**0.0500**	**0.100**	**mg/L**	1	8/9/2010 18:43
Sulfate	**565**		**20.0**	**50.0**	**mg/L**	100	8/9/2010 14:22
Nitrate/Nitrite (as N)	**5.17**		**0.0300**	**0.100**	**mg/L**	1	8/10/2010 18:02
Surr: Selenate (surr)	*106*			*85-115*	*%REC*	100	8/9/2010 14:22
Surr: Selenate (surr)	*93.6*			*85-115*	*%REC*	1	8/9/2010 18:43
Surr: Selenate (surr)	*102*			*85-115*	*%REC*	1	8/10/2010 18:02
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**254**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Total (As CaCO3)	**254**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**8,850**		**5.0**	**10.0**	**mg/L**	1	8/4/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: W. MW - 072810
Collection Date: 7/28/2010 12:45 PM

Work Order: 1007960
Lab ID: 1007960-23
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/6/10		Analyst: **SKS**
Calcium	**128**		**0.50**	**5.00**	**mg/L**	10	8/9/2010 17:17
Magnesium	**36.6**		**0.39**	**2.00**	**mg/L**	10	8/9/2010 17:17
Potassium	**26.0**		**1.0**	**2.00**	**mg/L**	10	8/9/2010 17:17
Sodium	**345**		**1.0**	**2.00**	**mg/L**	10	8/9/2010 17:17
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**541**		**2.00**	**5.00**	**mg/L**	10	8/9/2010 14:44
Fluoride	**0.992**		**0.0500**	**0.100**	**mg/L**	1	8/9/2010 19:04
Sulfate	**224**		**2.00**	**5.00**	**mg/L**	10	8/9/2010 14:44
Nitrate/Nitrite (as N)	**2.69**		**0.0300**	**0.100**	**mg/L**	1	8/10/2010 18:17
Surr: Selenate (surr)	*104*			*85-115*	*%REC*	10	8/9/2010 14:44
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	1	8/9/2010 19:04
Surr: Selenate (surr)	*98.6*			*85-115*	*%REC*	1	8/10/2010 18:17
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**238**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Total (As CaCO3)	**238**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**1,760**		**5.0**	**10.0**	**mg/L**	1	8/4/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: DUP - 072810
Collection Date: 7/28/2010 12:45 PM

Work Order: 1007960
Lab ID: 1007960-24
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**			Prep: SW3010A / 8/6/10		Analyst: **SKS**
Calcium	**667**		**0.50**	**5.00**	**mg/L**	10	8/9/2010 17:22
Magnesium	**184**		**0.39**	**2.00**	**mg/L**	10	8/9/2010 17:22
Potassium	**67.9**		**1.0**	**2.00**	**mg/L**	10	8/9/2010 17:22
Sodium	**1,730**		**1.0**	**2.00**	**mg/L**	10	8/9/2010 17:22
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**4,050**		**20.0**	**50.0**	**mg/L**	100	8/9/2010 15:06
Fluoride	**0.887**		**0.0500**	**0.100**	**mg/L**	1	8/9/2010 19:26
Sulfate	**591**		**20.0**	**50.0**	**mg/L**	100	8/9/2010 15:06
Nitrate/Nitrite (as N)	**3.98**		**0.0300**	**0.100**	**mg/L**	1	8/10/2010 18:31
Surr: Selenate (surr)	*106*			*85-115*	*%REC*	100	8/9/2010 15:06
Surr: Selenate (surr)	*91.3*			*85-115*	*%REC*	1	8/9/2010 19:26
Surr: Selenate (surr)	*0*			*85-115*	*%REC*	1	8/10/2010 18:31
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**274**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Total (As CaCO3)	**274**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**7,250**		**5.0**	**10.0**	**mg/L**	1	8/4/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: *13-Aug-10*

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
Sample ID: DUP - 2 - 072810
Collection Date: 7/28/2010 12:45 PM

Work Order: 1007960
Lab ID: 1007960-25
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DISSOLVED METALS		Method: **SW6020**		Prep: SW3010A / 8/6/10			Analyst: **SKS**
Calcium	**60.9**		**0.50**	**5.00**	**mg/L**	10	8/9/2010 17:28
Magnesium	**19.2**		**0.39**	**2.00**	**mg/L**	10	8/9/2010 17:28
Potassium	**16.7**		**1.0**	**2.00**	**mg/L**	10	8/9/2010 17:28
Sodium	**269**		**1.0**	**2.00**	**mg/L**	10	8/9/2010 17:28
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**283**		**2.00**	**5.00**	**mg/L**	10	8/9/2010 19:48
Fluoride	**1.11**		**0.0500**	**0.100**	**mg/L**	1	8/9/2010 15:27
Sulfate	**192**		**2.00**	**5.00**	**mg/L**	10	8/9/2010 19:48
Nitrate/Nitrite (as N)	**5.17**		**0.0300**	**0.100**	**mg/L**	1	8/10/2010 18:46
Surr: Selenate (surr)	*103*			*85-115*	*%REC*	1	8/9/2010 15:27
Surr: Selenate (surr)	*103*			*85-115*	*%REC*	10	8/9/2010 19:48
Surr: Selenate (surr)	*101*			*85-115*	*%REC*	1	8/10/2010 18:46
ALKALINITY		Method: **SM2320B**					Analyst: **TDW**
Alkalinity, Bicarbonate (As CaCO3)	**233**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
Alkalinity, Carbonate (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Hydroxide (As CaCO3)	U		2.0	5.00	mg/L	1	8/10/2010 11:00
Alkalinity, Total (As CaCO3)	**233**		**2.0**	**5.00**	**mg/L**	1	8/10/2010 11:00
TOTAL DISSOLVED SOLIDS		Method: **M2540C**					Analyst: **JLC**
Total Dissolved Solids (Residue, Filterable)	**1,180**		**5.0**	**10.0**	**mg/L**	1	8/4/2010

Note: See Qualifiers Page for a list of qualifiers and their explanation.

ALS Laboratory Group

Date: 13-Aug-10

Client: Conestoga-Rovers & Associates

Work Order: 1007960

Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **45073** Instrument ID **ICPMS04** Method: **SW6020** **(Dissolve)**

MBLK Sample ID: **MBLKW3-080510-45073** Units: **mg/L** Analysis Date: **8/5/2010 10:45 PM**

Client ID: Run ID: **ICPMS04_100805A** SeqNo: **2054085** Prep Date: **8/5/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	U	0.50								
Magnesium	U	0.20								
Potassium	U	0.20								
Sodium	U	0.20								

LCS Sample ID: **MLCSW3-080510-45073** Units: **mg/L** Analysis Date: **8/5/2010 10:54 PM**

Client ID: Run ID: **ICPMS04_100805A** SeqNo: **2054087** Prep Date: **8/5/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	4.574	0.50	5	0	91.5	80-120	0			
Magnesium	4.566	0.20	5	0	91.3	80-120	0			
Potassium	4.544	0.20	5	0	90.9	80-120	0			
Sodium	4.496	0.20	5	0	89.9	80-120	0			

MS Sample ID: **1007960-06BMS** Units: **mg/L** Analysis Date: **8/6/2010 01:33 AM**

Client ID: **MW - 6 - 072810** Run ID: **ICPMS04_100805A** SeqNo: **2054152** Prep Date: **8/5/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	32.54	0.50	5	30.75	35.9	75-125	0			SO
Magnesium	12.16	0.20	5	9.063	61.9	75-125	0			S
Potassium	13.19	0.20	5	10.51	53.6	75-125	0			S
Sodium	U	0.20	5	0	0	75-125	0			SX

MSD Sample ID: **1007960-06BMSD** Units: **mg/L** Analysis Date: **8/6/2010 01:39 AM**

Client ID: **MW - 6 - 072810** Run ID: **ICPMS04_100805A** SeqNo: **2054157** Prep Date: **8/5/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	31.55	0.50	5	30.75	15.9	75-125	32.54	3.11	25	SO
Magnesium	11.93	0.20	5	9.063	57.4	75-125	12.16	1.89	25	S
Potassium	13.01	0.20	5	10.51	49.9	75-125	13.19	1.41	25	S
Sodium	U	0.20	5	0	0	75-125	0	0	25	SX

DUP Sample ID: **1007960-06BDUP** Units: **mg/L** Analysis Date: **8/6/2010 01:28 AM**

Client ID: **MW - 6 - 072810** Run ID: **ICPMS04_100805A** SeqNo: **2054146** Prep Date: **8/5/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	27.2	0.50	0	0	0	0-0	30.75	12.2	25	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **45073** Instrument ID **ICPMS04** Method: **SW6020** **(Dissolve)**

DUP Sample ID: **1007960-06BDUP** Units: **mg/L** Analysis Date: **8/6/2010 06:48 PM**

Client ID: **MW - 6 - 072810** Run ID: **ICPMS04_100806A** SeqNo: **2055219** Prep Date: **8/5/2010** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Magnesium	9.578	2.0	0	0	0	0-0	8.933	6.97	25	
Potassium	10.91	2.0	0	0	0	0-0	10.26	6.21	25	
Sodium	630.2	2.0	0	0	0	0-0	590.7	6.48	25	

The following samples were analyzed in this batch:

1007960-01B	1007960-02B	1007960-03B
1007960-04B	1007960-05B	1007960-06B
1007960-07B	1007960-08B	1007960-09B
1007960-10B	1007960-11B	1007960-12B
1007960-13B	1007960-14B	1007960-15B
1007960-16B	1007960-17B	1007960-18B
1007960-19B	1007960-20B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **45116** Instrument ID **ICP7500** Method: **SW6020** **(Dissolve)**

MBLK Sample ID: **MBLKW5-080610-45116** Units: **mg/L** Analysis Date: **8/6/2010 10:28 PM**
Client ID: Run ID: **ICP7500_100806A** SeqNo: **2055228** Prep Date: **8/6/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	0.1424	0.50								J
Magnesium	0.05892	0.20								J
Potassium	U	0.20								
Sodium	U	0.20								

LCS Sample ID: **MLCSW5-080610-45116** Units: **mg/L** Analysis Date: **8/6/2010 10:34 PM**
Client ID: Run ID: **ICP7500_100806A** SeqNo: **2055229** Prep Date: **8/6/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	4.663	0.50	5	0	93.3	80-120	0			
Magnesium	4.685	0.20	5	0	93.7	80-120	0			
Potassium	4.651	0.20	5	0	93	80-120	0			
Sodium	4.646	0.20	5	0	92.9	80-120	0			

MS Sample ID: **1008079-01DMS** Units: **mg/L** Analysis Date: **8/10/2010 08:12 PM**
Client ID: Run ID: **ICPMS03_100810A** SeqNo: **2058003** Prep Date: **8/6/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	96.81	0.50	5	94.23	51.6	75-125	0			SO
Magnesium	36.26	0.20	5	32.9	67.2	75-125	0			SO
Potassium	5.304	0.20	5	0.6548	93	75-125	0			
Sodium	220.2	0.20	5	225	-96	75-125	0			SEO

MSD Sample ID: **1008079-01DMSD** Units: **mg/L** Analysis Date: **8/10/2010 08:17 PM**
Client ID: Run ID: **ICPMS03_100810A** SeqNo: **2058004** Prep Date: **8/6/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	101.2	0.50	5	94.23	139	75-125	96.81	4.43	25	SO
Magnesium	35.97	0.20	5	32.9	61.4	75-125	36.26	0.803	25	SO
Potassium	5.281	0.20	5	0.6548	92.5	75-125	5.304	0.435	25	
Sodium	220.5	0.20	5	225	-90	75-125	220.2	0.136	25	SEO

DUP Sample ID: **1008079-01DDUP** Units: **mg/L** Analysis Date: **8/10/2010 08:01 PM**
Client ID: Run ID: **ICPMS03_100810A** SeqNo: **2058001** Prep Date: **8/6/2010** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	95.25	0.50	0	0	0	0-0	94.23	1.08	25	
Magnesium	32.62	0.20	0	0	0	0-0	32.9	0.855	25	
Potassium	0.646	0.20	0	0	0	0-0	0.6548	1.35	25	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **45116** Instrument ID **ICP7500** Method: **SW6020** **(Dissolve)**

DUP Sample ID: **1008079-01DDUP** Units: **mg/L** Analysis Date: **8/10/2010 10:43 PM**
Client ID: Run ID: **ICPMS04_100810A** SeqNo: **2058614** Prep Date: **8/6/2010** DF: **10**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium	233.8	2.0	0	0	0	0-0	217.9	7.04	25	

The following samples were analyzed in this batch:

1007960-21B	1007960-22B	1007960-23B
1007960-24B	1007960-25B	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95161** Instrument ID **Balance1** Method: **M2540C**

MBLK Sample ID: **BLANK-R95161** Units: **mg/L** Analysis Date: **8/3/2010**
Client ID: Run ID: **BALANCE1_100803C** SeqNo: **2051083** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	U	10								

LCS Sample ID: **LCS-R95161** Units: **mg/L** Analysis Date: **8/3/2010**
Client ID: Run ID: **BALANCE1_100803C** SeqNo: **2051085** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	954	10	1000	0	95.4	85-115	0			

DUP Sample ID: **1007960-01CDUP** Units: **mg/L** Analysis Date: **8/3/2010**
Client ID: **MW - 1- 072810** Run ID: **BALANCE1_100803C** SeqNo: **2051029** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	532	10	0	0	0	0-0	564	5.84	20	

DUP Sample ID: **1007960-12CDUP** Units: **mg/L** Analysis Date: **8/3/2010**
Client ID: **MW - 13 - 072810** Run ID: **BALANCE1_100803C** SeqNo: **2051053** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	4318	10	0	0	0	0-0	4416	2.24	20	

The following samples were analyzed in this batch:

1007960-01C	1007960-02C	1007960-03C
1007960-04C	1007960-05C	1007960-06C
1007960-07C	1007960-08C	1007960-09C
1007960-10C	1007960-11C	1007960-12C
1007960-13C	1007960-14C	1007960-15C
1007960-16C	1007960-17C	1007960-18C
1007960-19C	1007960-20C	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95191** Instrument ID **Balance1** Method: **M2540C**

MBLK Sample ID: **BLANK-R95191** Units: **mg/L** Analysis Date: **8/4/2010**
Client ID: Run ID: **BALANCE1_100804C** SeqNo: **2051648** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	U	10								

LCS Sample ID: **LCS-R95191** Units: **mg/L** Analysis Date: **8/4/2010**
Client ID: Run ID: **BALANCE1_100804C** SeqNo: **2051650** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	890	10	1000	0	89	85-115	0			

DUP Sample ID: **1007960-21CDUP** Units: **mg/L** Analysis Date: **8/4/2010**
Client ID: **RW - 1 - 072810** Run ID: **BALANCE1_100804C** SeqNo: **2051641** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Fil	7275	10	0	0	0	0-0	7195	1.11	20	

The following samples were analyzed in this batch:

1007960-21C	1007960-22C	1007960-23C
1007960-24C	1007960-25C	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95405** Instrument ID **WetChem** Method: **SM2320B**

MBLK Sample ID: **WBLKW1-080910-R95405** Units: **mg/L** Analysis Date: **8/9/2010 02:00 PM**
Client ID: Run ID: **WETCHEM_100809L** SeqNo: **2056184** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	U	5.0								
Alkalinity, Carbonate (As CaCO3)	U	5.0								
Alkalinity, Hydroxide (As CaCO3)	U	5.0								
Alkalinity, Total (As CaCO3)	U	5.0								

LCS Sample ID: **WLCSW1-080910-R95405** Units: **mg/L** Analysis Date: **8/9/2010 02:00 PM**
Client ID: Run ID: **WETCHEM_100809L** SeqNo: **2056185** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	1032	5.0	1000	0	103	80-120	0			
Alkalinity, Total (As CaCO3)	1032	5.0	1000	0	103	80-120	0			

DUP Sample ID: **1007900-01adup** Units: **mg/L** Analysis Date: **8/9/2010 02:00 PM**
Client ID: Run ID: **WETCHEM_100809L** SeqNo: **2056209** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	206.5	5.0	0	0	0	0-0	206.5	0	20	
Alkalinity, Carbonate (As CaCO3)	U	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	U	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Total (As CaCO3)	206.5	5.0	0	0	0	0-0	206.5	0	20	

The following samples were analyzed in this batch:

1007960-01C	1007960-02C	1007960-03C
1007960-04C	1007960-05C	1007960-06C
1007960-07C	1007960-08C	1007960-09C
1007960-10C	1007960-11C	1007960-12C
1007960-13C	1007960-14C	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95425** Instrument ID **ICS2100** Method: **E300**

MBLK Sample ID: **WBLKW3-080910-R95425** Units: **mg/L** Analysis Date: **8/9/2010 02:12 PM**
Client ID: Run ID: **ICS2100_100809A** SeqNo: **2056620** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	U	0.10								
Nitrogen, Nitrate (As N)	U	0.10								
Nitrogen, Nitrite (As N)	U	0.10								
Nitrate/Nitrite (as N)	U	0.10								
Surr: Selenate (surr)	*5.067*	0.10	*5*	0	*101*	*85-115*	0			

LCS Sample ID: **WLCSW3-080910-R95425** Units: **mg/L** Analysis Date: **8/9/2010 02:56 PM**
Client ID: Run ID: **ICS2100_100809A** SeqNo: **2056621** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	3.73	0.10	4	0	93.2	90-110	0			
Nitrogen, Nitrate (As N)	3.736	0.10	4	0	93.4	90-110	0			
Nitrogen, Nitrite (As N)	4.298	0.10	4	0	107	90-110	0			
Nitrate/Nitrite (as N)	8.034	0.10	8	0	100	90-110	0			
Surr: Selenate (surr)	*5.033*	0.10	*5*	0	*101*	*85-115*	0			

LCSD Sample ID: **WLCSDW3-080910-R95425** Units: **mg/L** Analysis Date: **8/9/2010 03:39 PM**
Client ID: Run ID: **ICS2100_100809A** SeqNo: **2056622** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	3.887	0.10	4	0	97.2	90-110	3.73	4.12	20	
Nitrogen, Nitrate (As N)	3.872	0.10	4	0	96.8	90-110	3.736	3.58	20	
Nitrogen, Nitrite (As N)	4.313	0.10	4	0	108	90-110	4.298	0.348	20	
Nitrate/Nitrite (as N)	8.185	0.10	8	0	102	90-110	8.034	1.86	20	
Surr: Selenate (surr)	*5.228*	0.10	*5*	0	*105*	*85-115*	5.033	*3.8*	*20*	

MS Sample ID: **1007960-01AMS** Units: **mg/L** Analysis Date: **8/9/2010 04:09 PM**
Client ID: **MW - 1- 072810** Run ID: **ICS2100_100809A** SeqNo: **2056624** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	1.54	0.10	2	0	77	80-120	0			S
Nitrogen, Nitrate (As N)	4.012	0.10	2	2.555	72.8	80-120	0			S
Nitrogen, Nitrite (As N)	1.861	0.10	2	0	93	80-120	0			
Nitrate/Nitrite (as N)	5.873	0.10	4	2.555	83	80-120	0			
Surr: Selenate (surr)	*5.005*	0.10	*5*	0	*100*	*85-115*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95425** Instrument ID **ICS2100** Method: **E300**

MS Sample ID: **1007960-14AMS** Units: **mg/L** Analysis Date: **8/9/2010 08:01 PM**
Client ID: **MW - 15 - 072810** Run ID: **ICS2100_100809A** SeqNo: **2056638** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	3.181	0.10	2	1.896	64.2	80-120	0			S
Nitrogen, Nitrate (As N)	3.926	0.10	2	2.021	95.2	80-120	0			
Nitrogen, Nitrite (As N)	1.554	0.10	2	-0.068	81.1	80-120	0			
Nitrate/Nitrite (as N)	5.48	0.10	4	2.021	86.5	80-120	0			
Surr: Selenate (surr)	*4.994*	0.10	*5*	0	*99.9*	*85-115*	0			

MSD Sample ID: **1007960-01AMSD** Units: **mg/L** Analysis Date: **8/9/2010 04:23 PM**
Client ID: **MW - 1- 072810** Run ID: **ICS2100_100809A** SeqNo: **2056625** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	1.514	0.10	2	0	75.7	80-120	1.54	1.7	20	S
Nitrogen, Nitrate (As N)	4.162	0.10	2	2.555	80.4	80-120	4.012	3.67	20	
Nitrogen, Nitrite (As N)	1.924	0.10	2	0	96.2	80-120	1.861	3.33	20	
Nitrate/Nitrite (as N)	6.086	0.10	4	2.555	88.3	80-120	5.873	3.56	20	
Surr: Selenate (surr)	*5.2*	0.10	*5*	0	*104*	*85-115*	5.005	*3.82*	*20*	

MSD Sample ID: **1007960-14CMSD** Units: **mg/L** Analysis Date: **8/9/2010 08:16 PM**
Client ID: **MW - 15 - 072810** Run ID: **ICS2100_100809A** SeqNo: **2056639** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Bromide	3.218	0.10	2	1.896	66.1	80-120	3.181	1.16	20	S
Nitrogen, Nitrate (As N)	3.805	0.10	2	2.021	89.2	80-120	3.926	3.13	20	
Nitrogen, Nitrite (As N)	1.474	0.10	2	0	73.7	80-120	1.554	5.28	20	S
Nitrate/Nitrite (as N)	5.279	0.10	4	2.021	81.4	80-120	5.48	3.74	20	
Surr: Selenate (surr)	*4.815*	0.10	*5*	0	*96.3*	*85-115*	4.994	*3.65*	*20*	

The following samples were analyzed in this batch:

1007960-01A	1007960-02A	1007960-06A
1007960-07A	1007960-08A	1007960-09A
1007960-10A	1007960-11A	1007960-12A
1007960-13A	1007960-14A	1007960-15A
1007960-16A	1007960-17A	1007960-18A
1007960-19A	1007960-20A	1007960-21A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95428** Instrument ID **ICS3K2** Method: **E300**

MBLK Sample ID: **WBLKW2-080910-R95428** Units: **mg/L** Analysis Date: **8/9/2010 12:22 PM**
Client ID: Run ID: **ICS3K2_100809A** SeqNo: **2056719** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	0.306	0.50								J
Fluoride	U	0.10								
Sulfate	0.206	0.50								J
Surr: Selenate (surr)	*5.406*	0.10	*5*	0	*108*	*85-115*	0			

LCS Sample ID: **WLCSW2-080910-R95428** Units: **mg/L** Analysis Date: **8/9/2010 12:43 PM**
Client ID: Run ID: **ICS3K2_100809A** SeqNo: **2056721** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.11	0.50	20	0	101	90-110	0			
Fluoride	4.067	0.10	4	0	102	90-110	0			
Sulfate	19.12	0.50	20	0	95.6	90-110	0			
Surr: Selenate (surr)	*5.348*	0.10	*5*	0	*107*	*85-115*	0			

LCSD Sample ID: **WLCSDW2-080910-R95428** Units: **mg/L** Analysis Date: **8/9/2010 01:05 PM**
Client ID: Run ID: **ICS3K2_100809A** SeqNo: **2056723** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.18	0.50	20	0	101	90-110	20.11	0.357	20	
Fluoride	3.924	0.10	4	0	98.1	90-110	4.067	3.58	20	
Sulfate	19.15	0.50	20	0	95.7	90-110	19.12	0.125	20	
Surr: Selenate (surr)	*5.054*	0.10	*5*	0	*101*	*85-115*	5.348	*5.65*	*20*	

MS Sample ID: **1007960-25CMS** Units: **mg/L** Analysis Date: **8/9/2010 03:49 PM**
Client ID: **DUP - 2 - 072810** Run ID: **ICS3K2_100809A** SeqNo: **2056735** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	276.8	0.50	10	272.1	47.1	80-120	0			SEO
Fluoride	3.084	0.10	2	1.107	98.8	80-120	0			
Sulfate	192.6	0.50	10	186.2	63.1	80-120	0			SEO
Surr: Selenate (surr)	*5.223*	0.10	*5*	0	*104*	*85-115*	0			

MSD Sample ID: **1007960-25CMSD** Units: **mg/L** Analysis Date: **8/9/2010 04:54 PM**
Client ID: **DUP - 2 - 072810** Run ID: **ICS3K2_100809A** SeqNo: **2056739** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	278.5	0.50	10	272.1	64.4	80-120	276.8	0.622	20	SEO
Fluoride	3.158	0.10	2	1.107	103	80-120	3.084	2.37	20	
Sulfate	195.3	0.50	10	186.2	91	80-120	192.6	1.44	20	EO
Surr: Selenate (surr)	*5.265*	0.10	*5*	0	*105*	*85-115*	5.223	*0.801*	*20*	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95428** Instrument ID **ICS3K2** Method: **E300**

The following samples were analyzed in this batch:

1007960-18C	1007960-20C	1007960-21C
1007960-22C	1007960-23C	1007960-24C
1007960-25C		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95449** Instrument ID **WetChem** Method: **SM2320B**

MBLK Sample ID: **WBLKW1-081010-R95449** Units: **mg/L** Analysis Date: **8/10/2010 11:00 AM**
Client ID: Run ID: **WETCHEM_100810B** SeqNo: **2057283** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	U	5.0								
Alkalinity, Carbonate (As CaCO3)	U	5.0								
Alkalinity, Hydroxide (As CaCO3)	U	5.0								
Alkalinity, Total (As CaCO3)	U	5.0								

LCS Sample ID: **WLCSW1-081010-R95449** Units: **mg/L** Analysis Date: **8/10/2010 11:00 AM**
Client ID: Run ID: **WETCHEM_100810B** SeqNo: **2057284** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	1005	5.0	1000	0	100	80-120	0			
Alkalinity, Total (As CaCO3)	1005	5.0	1000	0	100	80-120	0			

DUP Sample ID: **1007960-15CDUP** Units: **mg/L** Analysis Date: **8/10/2010 11:00 AM**
Client ID: **MW - 16 - 072810** Run ID: **WETCHEM_100810B** SeqNo: **2057300** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	197.9	5.0	0	0	0	0-0	196.9	0.517	20	
Alkalinity, Carbonate (As CaCO3)	U	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Hydroxide (As CaCO3)	U	5.0	0	0	0	0-0	0	0	20	
Alkalinity, Total (As CaCO3)	197.9	5.0	0	0	0	0-0	196.9	0.517	20	

The following samples were analyzed in this batch:

1007960-15C	1007960-16C	1007960-17C
1007960-18C	1007960-19C	1007960-20C
1007960-21C	1007960-22C	1007960-23C
1007960-24C	1007960-25C	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95474** Instrument ID **ICS3K2** Method: **E300**

MBLK Sample ID: **WBLKW2-080710-R95474** Units: **mg/L** Analysis Date: **8/7/2010 08:36 PM**
Client ID: Run ID: **ICS3K2_100807C** SeqNo: **2057633** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	0.3	0.50								J
Fluoride	U	0.10								
Sulfate	0.235	0.50								J
Surr: Selenate (surr)	*5.177*	0.10	*5*	0	*104*	*85-115*	0			

LCS Sample ID: **WLCSW2-080710-R95474** Units: **mg/L** Analysis Date: **8/7/2010 08:58 PM**
Client ID: Run ID: **ICS3K2_100807C** SeqNo: **2057634** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.64	0.50	20	0	103	90-110	0			
Fluoride	4.092	0.10	4	0	102	90-110	0			
Sulfate	20.43	0.50	20	0	102	90-110	0			
Surr: Selenate (surr)	*5.162*	0.10	*5*	0	*103*	*85-115*	0			

LCSD Sample ID: **WLCSDW2-080710-R95474** Units: **mg/L** Analysis Date: **8/7/2010 09:19 PM**
Client ID: Run ID: **ICS3K2_100807C** SeqNo: **2057635** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.78	0.50	20	0	104	90-110	20.64	0.666	20	
Fluoride	4.093	0.10	4	0	102	90-110	4.092	0.0244	20	
Sulfate	20.58	0.50	20	0	103	90-110	20.43	0.717	20	
Surr: Selenate (surr)	*5.53*	0.10	*5*	0	*111*	*85-115*	5.162	*6.88*	*20*	

MS Sample ID: **1008202-01BMS** Units: **mg/L** Analysis Date: **8/7/2010 10:03 PM**
Client ID: Run ID: **ICS3K2_100807C** SeqNo: **2057637** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	100.1	0.50	10	91.74	83.5	80-120	0			EO
Fluoride	2.438	0.10	2	0.172	113	80-120	0			
Sulfate	18.04	0.50	10	7.862	102	80-120	0			
Surr: Selenate (surr)	*5.413*	0.10	*5*	0	*108*	*85-115*	0			

MS Sample ID: **1007960-01CMS** Units: **mg/L** Analysis Date: **8/7/2010 11:08 PM**
Client ID: **MW - 1- 072810** Run ID: **ICS3K2_100807C** SeqNo: **2057640** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	133.8	0.50	10	126.7	71.5	80-120	0			SEO
Fluoride	3.789	0.10	2	1.879	95.5	80-120	0			
Sulfate	92.76	0.50	10	84.78	79.9	80-120	0			SO
Surr: Selenate (surr)	*5.274*	0.10	*5*	0	*105*	*85-115*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95474** Instrument ID **ICS3K2** Method: **E300**

MSD Sample ID: **1008202-01BMSD** Units: **mg/L** Analysis Date: **8/7/2010 10:25 PM**
Client ID: Run ID: **ICS3K2_100807C** SeqNo: **2057638** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	99.97	0.50	10	91.74	82.3	80-120	100.1	0.119	20	O
Fluoride	2.434	0.10	2	0.172	113	80-120	2.438	0.164	20	
Sulfate	18.02	0.50	10	7.862	102	80-120	18.04	0.133	20	
Surr: Selenate (surr)	*5.406*	0.10	*5*	0	*108*	*85-115*	5.413	*0.129*	*20*	

MSD Sample ID: **1007960-01CMSD** Units: **mg/L** Analysis Date: **8/7/2010 11:30 PM**
Client ID: **MW - 1- 072810** Run ID: **ICS3K2_100807C** SeqNo: **2057641** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	133.7	0.50	10	126.7	70.5	80-120	133.8	0.0755	20	SEO
Fluoride	3.787	0.10	2	1.879	95.4	80-120	3.789	0.0528	20	
Sulfate	92.64	0.50	10	84.78	78.7	80-120	92.76	0.129	20	SO
Surr: Selenate (surr)	*5.26*	0.10	*5*	0	*105*	*85-115*	5.274	*0.266*	*20*	

The following samples were analyzed in this batch:

1007960-01C	1007960-02C	1007960-03C
1007960-04C	1007960-05C	1007960-06C
1007960-07C	1007960-08C	1007960-09C
1007960-10C	1007960-11C	1007960-12C
1007960-13C	1007960-14C	1007960-15C
1007960-16C	1007960-17C	1007960-18C
1007960-19C		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95502** Instrument ID **ICS2100** Method: **E300**

MBLK Sample ID: **WBLKW3-080910-R95502** Units: **mg/L** Analysis Date: **8/10/2010 04:06 PM**
Client ID: Run ID: **ICS2100_100810A** SeqNo: **2058384** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	U	0.10								
Surr: Selenate (surr)	*4.984*	0.10	*5*	0	*99.7*	*85-115*	0			

LCS Sample ID: **WLCSW3-081010-R95502** Units: **mg/L** Analysis Date: **8/10/2010 05:04 PM**
Client ID: Run ID: **ICS2100_100810A** SeqNo: **2058385** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	8.13	0.10	8	0	102	90-110	0			

LCSD Sample ID: **WLCSDW3-081010-R95502** Units: **mg/L** Analysis Date: **8/10/2010 05:18 PM**
Client ID: Run ID: **ICS2100_100810A** SeqNo: **2058386** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	7.687	0.10	8	0	96.1	90-110	8.13	5.6	20	
Surr: Selenate (surr)	*4.66*	0.10	*5*	0	*93.2*	*85-115*	4.907	*5.16*	*20*	

MS Sample ID: **1007960-25AMS** Units: **mg/L** Analysis Date: **8/10/2010 08:28 PM**
Client ID: **DUP - 2 - 072810** Run ID: **ICS2100_100810A** SeqNo: **2058397** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	8.747	0.10	4	5.169	89.4	80-120	0			
Surr: Selenate (surr)	*4.955*	0.10	*5*	0	*99.1*	*85-115*	0			

MSD Sample ID: **1007960-25AMSD** Units: **mg/L** Analysis Date: **8/10/2010 07:58 PM**
Client ID: **DUP - 2 - 072810** Run ID: **ICS2100_100810A** SeqNo: **2058396** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	7.584	0.10	4	5.169	60.4	80-120	8.747	14.2	20	S
Surr: Selenate (surr)	*4.326*	0.10	*5*	0	*86.5*	*85-115*	4.955	*13.6*	*20*	

The following samples were analyzed in this batch:

1007960-03A	1007960-04A	1007960-22A
1007960-23A	1007960-24A	1007960-25A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95557** Instrument ID **ICS2100** Method: **E300**

MBLK Sample ID: **WBLKW3-081110-R95557** Units: **mg/L** Analysis Date: **8/11/2010 02:17 PM**
Client ID: Run ID: **ICS2100_100811A** SeqNo: **2059322** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	U	0.10								
Surr: Selenate (surr)	*4.749*	0.10	*5*	0	*95*	*85-115*	0			

LCS Sample ID: **WLCSW3-081110-R95557** Units: **mg/L** Analysis Date: **8/11/2010 02:31 PM**
Client ID: Run ID: **ICS2100_100811A** SeqNo: **2059323** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	8.285	0.10	8	0	104	90-110	0			
Surr: Selenate (surr)	*5.077*	0.10	*5*	0	*102*	*85-115*	0			

LCSD Sample ID: **WLCSDW3-081110-R95557** Units: **mg/L** Analysis Date: **8/11/2010 02:46 PM**
Client ID: Run ID: **ICS2100_100811A** SeqNo: **2059324** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	8.259	0.10	8	0	103	90-110	8.285	0.314	20	
Surr: Selenate (surr)	*5.039*	0.10	*5*	0	*101*	*85-115*	5.077	*0.751*	*20*	

MS Sample ID: **1008160-01BMS** Units: **mg/L** Analysis Date: **8/11/2010 06:24 PM**
Client ID: Run ID: **ICS2100_100811A** SeqNo: **2059333** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	2.38	0.10	4	0.168	55.3	80-120	0			SH
Surr: Selenate (surr)	*5.211*	0.10	*5*	0	*104*	*85-115*	0			

MSD Sample ID: **1008160-01BMSD** Units: **mg/L** Analysis Date: **8/11/2010 06:38 PM**
Client ID: Run ID: **ICS2100_100811A** SeqNo: **2059334** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Nitrate/Nitrite (as N)	2.196	0.10	4	0.168	50.7	80-120	2.38	8.04	20	SH
Surr: Selenate (surr)	*4.82*	0.10	*5*	0	*96.4*	*85-115*	5.211	*7.8*	*20*	

The following samples were analyzed in this batch: 1007960-05A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Conestoga-Rovers & Associates
Work Order: 1007960
Project: G.L. Erwin - 039124

QC BATCH REPORT

Batch ID: **R95631** Instrument ID **ICS3K2** Method: **E300**

MBLK Sample ID: **WBLKW2-081210-R95631** Units: **mg/L** Analysis Date: **8/12/2010 01:15 PM**
Client ID: Run ID: **ICS3K2_100812A** SeqNo: **2060928** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	0.285	0.50								J
Surr: Selenate (surr)	*5.174*	0.10	*5*	0	*103*	*85-115*	0			

LCS Sample ID: **WLCSW2-081210-R95631** Units: **mg/L** Analysis Date: **8/12/2010 01:37 PM**
Client ID: Run ID: **ICS3K2_100812A** SeqNo: **2060929** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.92	0.50	20	0	105	90-110	0			
Surr: Selenate (surr)	*5.574*	0.10	*5*	0	*111*	*85-115*	0			

LCSD Sample ID: **WLCSDW2-081210-R95631** Units: **mg/L** Analysis Date: **8/12/2010 01:59 PM**
Client ID: Run ID: **ICS3K2_100812A** SeqNo: **2060930** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.65	0.50	20	0	103	90-110	20.92	1.26	20	
Surr: Selenate (surr)	*5.166*	0.10	*5*	0	*103*	*85-115*	5.574	*7.6*	*20*	

MS Sample ID: **1008396-01BMS** Units: **mg/L** Analysis Date: **8/12/2010 03:25 PM**
Client ID: Run ID: **ICS3K2_100812A** SeqNo: **2060932** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	267.4	0.50	10	262.7	47.2	80-120	0			SEO
Surr: Selenate (surr)	*5.128*	0.10	*5*	0	*103*	*85-115*	0			

MSD Sample ID: **1008396-01BMSD** Units: **mg/L** Analysis Date: **8/12/2010 03:47 PM**
Client ID: Run ID: **ICS3K2_100812A** SeqNo: **2060933** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	267.8	0.50	10	262.7	50.8	80-120	267.4	0.135	20	SEO
Surr: Selenate (surr)	*5.161*	0.10	*5*	0	*103*	*85-115*	5.128	*0.641*	*20*	

The following samples were analyzed in this batch: 1007960-13C 1007960-17C

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Laboratory Group

Date: 13-Aug-10

Client: Conestoga-Rovers & Associates
Project: G.L. Erwin - 039124
WorkOrder: **1007960**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Units Reported	Description
mg/L	Milligrams per Liter

☐ ALS Laboratory Group
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Houston, Texas 77099
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Chain of Custody Form

☐ ALS Laboratory Group
3352 128th Ave.
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ALS Project Manager: | ALS Work Order #: 1007200

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	G.L. Erwin	A	Dissolved Metals (6020/7000) Ca, Mg, K, Na
Work Order		Project Number	39124	B	Anions (300) Cl, F, SO4
Company Name	Conestoga-Rovers & Associates	Bill To Company	Conestoga-Rovers & Associates	C	Alkalinity
Send Report To	Patricia Lynch	Invoice Attn	Patricia Lynch	D	TDS
Address	6320 Rothway, Suite 100	Address	6320 Rothway, Suite 100	E	Nitrate (300)
				F	
City/State/Zip	Houston, TX 77040	City/State/Zip	Houston, TX 77040	G	
Phone	(713) 734-3090	Phone	(713) 734-3090	H	
Fax	(713) 734-3391	Fax	(713) 734-3391	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-1-072810	7-28-10	1055	W	2,3,7	3	X	X	X	X	X						
2	MW-2-072810	7-28-10	1100	W	2,3,7	3	X	X	X	X	X						
3	MW-3-072810	7-28-10	1345	W	2,3,7	3	X	X	X	X	X						
4	MW-4-072810	7-28-10	1255	W	2,3,7	3	X	X	X	X	X						
5	MW-5-072810	7-28-10	1355	W	2,3,7	3	X	X	X	X	X						
6	MW-6-072810	7-28-10	1335	W	2,3,7	3	X	X	X	X	X						
7	MW-7-072810	7-28-10	1110	W	2,3,7	3	X	X	X	X	X						
8	MW-8-072810	7-28-10	1205	W	2,3,7	3	X	X	X	X	X						
9	MW-9-072810	7-28-10	1305	W	2,3,7	3	X	X	X	X	X						
10	MW-10-072810	7-28-10	1325	W	2,3,7	3	X	X	X	X	X						

Sampler(s) Please Print & Sign: J. Richards | Shipment Method: FedEx | Required Turnaround Time: (Check Box) ☐ Other ☐ Std 10 Days ☐ 10 Wk Days ☐ 5 Wk Days ☐ 1 Wk Days | Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes:
	0729-10	1200		10 Day TAT, Dissolved Metals Field Filtered
Relinquished by:	Date:	Time:	Received by (Laboratory): 7/30/10 0845	

Cooler ID	Cooler Temp.	QC Package: (Check One Box Below)
		☑ Level II Std QC ☐ TRRP Checklist ☐ Level III Std QC/Raw Data ☐ TRRP Level IV ☐ Level IV SW846/CLP ☐ Other / EDD

Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory):

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Laboratory Group.
2. Unless otherwise agreed in a formal contract, services provided by ALS Laboratory Group are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

☐ ALS Laboratory Group
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Fax. +1 281 530 5887

Chain of Custody Form

☐ ALS Laboratory Group
3352 128th Ave.
Holland, MI 49424-9263
Tel: +1 616 399 6070
Fax: +1 616 399 6185

ALS Project Manager: | ALS Work Order #: 1001910

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	G.L. Erwin	A	Dissolved Metals (6020/7000) Ca, Mg, K, Na
Work Order		Project Number	39124	B	Anions (300) Cl, F, SO4
Company Name	Conestoga-Rovers & Associates	Bill To Company	Conestoga-Rovers & Associates	C	Alkalinity
Send Report To	Patricia Lynch	Invoice Attn	Patricia Lynch	D	TDS
Address	6320 Rothway, Suite 100	Address	6320 Rothway, Suite 100	E	Nitrate (300)
				F	
City/State/Zip	Houston, TX 77040	City/State/Zip	Houston, TX 77040	G	
Phone	(713) 734-3090	Phone	(713) 734-3090	H	
Fax	(713) 734-3391	Fax	(713) 734-3391	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-12-072810	07-28-10	1150	W	2,3,7	3	X	X	X	X	X						
2	MW-13-072810	07-28-10	1215	W	2,3,7	3	X	X	X	X	X						
3	MW-14-072810	07-28-10	1120	W	2,3,7	3	X	X	X	X	X						
4	MW-15-072810	07-28-10	1145	W	2,3,7	3	X	X	X	X	X						
5	MW-16-072810	07-28-10	1200	W	2,3,7	3	X	X	X	X	X						
6	MW-17-072810	07-28-10	1115	W	2,3,7	3	X	X	X	X	X						
7	MW-18-072810	07-28-10	1125	W	2,3,7	3	X	X	X	X	X						
8	MW-20-072810	07-28-10	1135	W	2,3,7	3	X	X	X	X	X						
9	MW-21-072810	07-28-10	1130	W	2,3,7	3	X	X	X	X	X						
10	MW-22-072810	07-28-10	1315	W	2,3,7	3	X	X	X	X	X						

Sampler(s) Please Print & Sign: J. Bimerer

Shipment Method: FedEx

Required Turnaround Time: (Check Box) ☐ Rush ☑ Std. 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: | Date: 07-28-10 | Time: 1200 | Received by: | Date: 7/28/10 | Time: 0845

Relinquished by: | Date: | Time: | Received by (Laboratory):

Notes: 10 Day TAT. Dissolved Metals Field Filtered

Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory):

Cooler ID | Cooler Temp.

QC Package: (Check One Box Below)
☑ Level II Std QC ☐ TRRP CheckList
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other / EDD

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

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Holland, MI 49424-9263
Tel: +1 616 399 6070
Fax: +1 616 399 6185

ALS Project Manager: | ALS Work Order #: 1001400

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	G.L. Erwin	A	Dissolved Metals (6020/7000) Ca, Mg, K, Na
Work Order		Project Number	39124	B	Anions (300) Cl, F, SO4
Company Name	Conestoga-Rovers & Associates	Bill To Company	Conestoga-Rovers & Associates	C	Alkalinity
Send Report To	Patricia Lynch	Invoice Attn	Patricia Lynch	D	TDS
Address	6320 Rothway, Suite 100	Address	6320 Rothway, Suite 100	E	Nitrate (300)
				F	
City/State/Zip	Houston, TX 77040	City/State/Zip	Houston, TX 77040	G	
Phone	(713) 734-3090	Phone	(713) 734-3090	H	
Fax	(713) 734-3391	Fax	(713) 734-3391	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	RW-1-072810	07-28-10	1235	W	2,3,7	3	X	X	X	X	X						
2	SW. MW-072810	07-28-10	1225	W	2,3,7	3	X	X	X	X	X						
3	W. MW-072810	07-28-10	1245	W	2,3,7	3	X	X	X	X	X						
4	DUP-072810	07-28-10	—	W	2,3,7	3	X	X	X	X	X						
5	DUP-2 072810	07-28-10	—	W	2,3,7	3	X	X	X	X	X						
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: [signature] | Shipment Method: FEDEX | Required Turnaround Time: (Check Box) ☐ Standard ☐ 10 Day ☐ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day ☐ 4 Hour | Results Due Date:

Relinquished by: [signature]	Date: 07-29-10	Time: 1020	Received by: [signature]	Notes: 10 Day TAT, Dissolved Metals Field Filtered	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID	Cooler Temp
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)
☑ Level II Std QC ☐ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other / EDD

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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ALS Laboratory Group

Sample Receipt Checklist

Client Name: **CRA-HOU** Date/Time Received: **30-Jul-10 00:00**

Work Order: **1007960** Received by: **RSZ**

Checklist completed by Richard Sanchez (eSignature) 30-Jul-10 (Date) Reviewed by: Hector Coronado (eSignature) 02-Aug-10 (Date)

Matrices: water
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	5.2c,5.7c,4.3c,5.2c	002	
Cooler(s)/Kit(s):	7040,3417,7002,7095		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

FedEx 4 of 4

FRI - 30 JUL A2
PRIORITY OVERNIGHT

MPS# 0681 7995 2319 2448
Mstr# 8731 6358 8327 0215

0915

77099
TX-US :
IAH

AB JGQA

Part # 156997-435 RIT 01/10

FedEx 3 of 4

FRI - 30 JUL A2
PRIORITY OVERNIGHT

MPS# 0681 7995 2319 2437
Mstr# 8731 6358 8327 0215

1001

77099
TX-US :
IAH

AB JGQA

Part # 156997-435 RIT 01/10

FedEx 2 of 4

FRI - 30 JUL A2
PRIORITY OVERNIGHT

MPS# 0681 7995 2319 2426
Mstr# 8731 6358 8327 0215

1015

77099
TX-US :
IAH

AB JGQA

Part # 156997-435 RIT 01/10

PRIORITY OV

TRK# 7995 2319 2448 FORM 0201

Emp# 092503 00:36 30JUL10

77099 - TX-US

43

This portion can be removed for Recipient's records.

To 09249 10

FedEx Tracking Number 873163588327

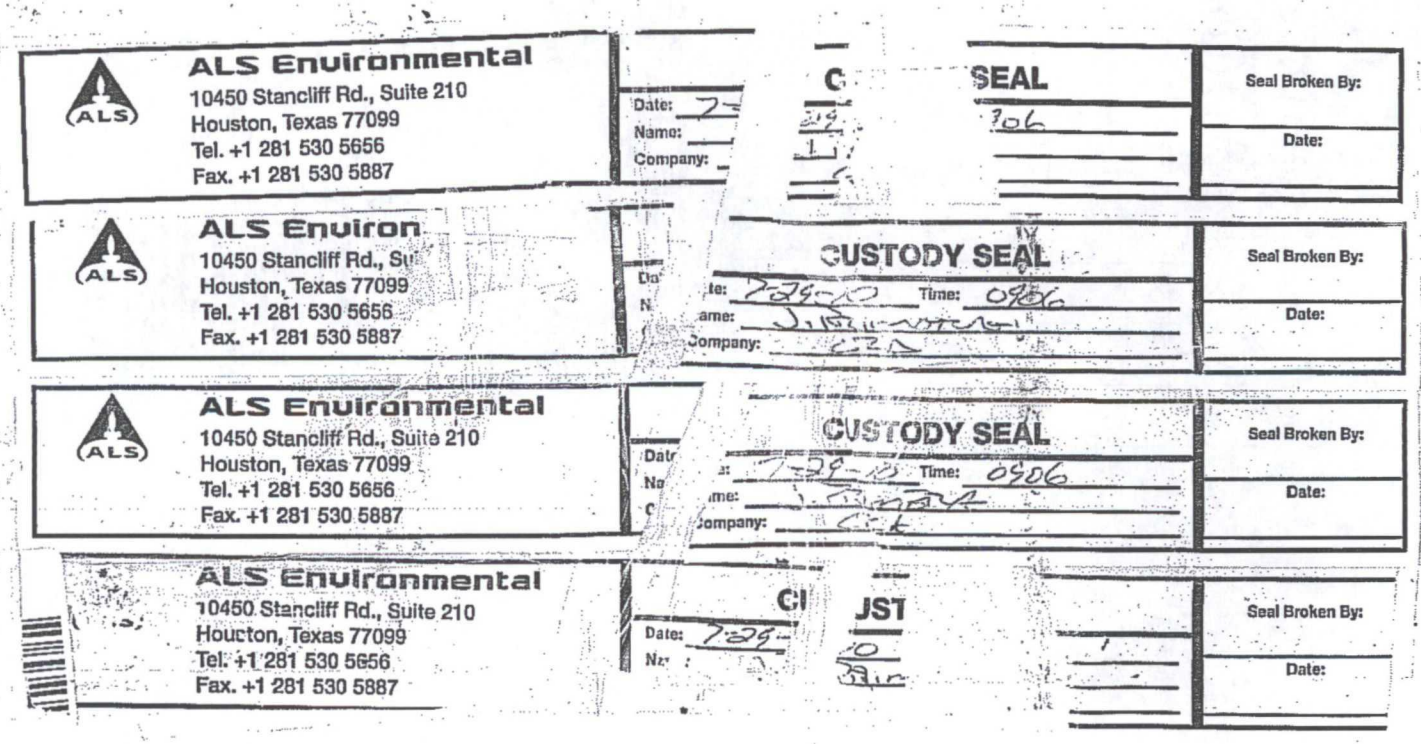
Sender's Name J. PRIMERA Phone

Company CRA

Address 2135 S Loop 250 West Dept/Floor/Suite/Room

City MIDLAND State TX ZIP 79703

Your Internal Billing Reference



ALS Environmental
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

C SEAL

Date: 7-29 706
Name:
Company:

Seal Broken By:

Date:

PS 7-30-10

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10450 Stancliff Rd., Su
Houston, Texas 77099
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CUSTODY SEAL

Date: 7-29-10 Time: 0906
Name: [illegible]
Company: [illegible]

Seal Broken By:

Date:

PS 7-30-10

ALS Environmental
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Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

CUSTODY SEAL

Date: 7-29-10 Time: 0906
Name: [illegible]
Company: [illegible]

Seal Broken By:

Date:

PS 7-30-10

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CI JST

Date: 7-29-10
Na

Seal Broken By:

Date:

PS 7-30-10