1R – 0254

ANNUAL MONITORING REPORT

9/25/2006

IR 254

MidContinent SBU
Chevron North America
Exploration and Production Company
11111 S. Wilcrest
Houston, TX 77099

September 25, 2006

Mr. Wayne Price
New Mexico Oil Conservation Division
1220 So. St. Francis Drive
Santa Fe, New Mexico 87505

Subject: 2005 Annual Groundwater Monitoring Report
G.L. Erwin A & B Federal NCT-2 Tank Battery, Lea County, New Mexico
Prepared for Chevron Environmental Management Company
OGRID No. 4323

Dear Mr. Price:

Enclosed is the subject report for ground water monitoring work completed at the G.L. Erwin A & B Federal NCT-2 Tank Battery during 2005. The report, which was completed by Conestoga-Rovers & Associates (CRA), provides information and details on the ground water monitoring activities completed by Larson & Associates (Larson). Larson completed the monitoring work for both semi-annual sampling events in 2005, and then around September of 2005 this project was transferred to CRA.

All future monitoring and reporting work will be completed by the new contractor and Chevron's agent for this site:

Conestoga-Rovers & Associates
2135 South Loop 250 West
Midland, TX 79703

If you have any questions concerning this report or the on-going work, please call me at (281) 561-3653. Or you can contact James Ornelas with CRA at (432) 686-0086.

Sincerely,

Scott Toner
Remediation Project Manager

Enclosure

Cc: Ms. Patricia Caperton, NMOCD (with electronic copy of report)
Mr. James Ornelas, CRA (without copy of report)
Mr. Tom Larson, CRA (without copy of report)

IR0254

2005 ANNUAL GROUNDWATER MONITORING REPORT

G.L. ERWIN "A & B" FEDERAL NCT-2 TANK BATTERY
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

Prepared For:
Mr. Scott Toner
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
Abandonment Business Unit
11111 S. Wilcrest Drive
Houston, Texas 77099

Prepared by:
Conestoga-Rovers & Associates

2135 S Loop 250 West
Midland, Texas 79703

Office: 432-686-0086
Fax: 432-686-0186

JULY 25, 2006
REF. NO. 039124 (1)

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1.0 INTRODUCTION

This Annual Groundwater Monitoring Report presents groundwater data collected during the 2005 reporting period at the G.L. Erwin "A & B" Federal NCT-2 Tank Battery (hereafter referred to as the "Site"). On February 9 & 11, 2005 and August 4 & 5, 2005, Larson & Associates, Inc (LA) conducted two semi-annual groundwater monitoring events on behalf of Chevron North America Exploration and Production Company (Chevron), as successor to Texaco Exploration and Production, Inc. (Texaco). In September 2005, Chevron Environmental Management Company (CEMC) selected Conestoga-Rovers & Associates (CRA) to provide environmental services at the Site.

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, and 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 produced water overflow pit that was located adjacent to the west edge of the Site. During the investigation, sixteen 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-feet with a mixture of clean sand and clay and was backfilled with clean soil to the surface. ESCI submitted the closure report to Texaco in October 1994.

In February 1995, Texaco submitted a work plan to the NMOCD to assess affected groundwater at the Site. On March 28, 1995, the work plan was conditionally approved by the NMOCD. Two monitor wells (WMW & 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) Human Health Standard. 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 to the State of New Mexico Office of the State Engineer (NMSOE) to recover groundwater from 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 NMSOE issued permit no. CP 00886 for RW-1 with specific conditions of approval. Monitor wells (MW-18 thru MW-20) were installed under the direction of Larson and Associates, Inc. (LA) in November 2004. 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 NMWQCC regulations. The NMWQCC regulations provide Human Health Standards for Groundwater. The COC in affected groundwater at the Site is chloride. In this report, groundwater analytical results for chloride and four additional analytes are compared to the NMWQCC standards shown in the following table:

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

3.0 2005 GROUNDWATER MONITORING

Groundwater at the Site is monitored semi-annually with a network of 24 monitor wells according to the *Work Plan for Plume Delineation and Modification to Proposed Groundwater Monitoring Schedule* (LA, November 18, 1998).

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 purged of three casing volumes of groundwater. Water quality parameters 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 the laboratory (Trace Analysis Inc., Lubbock, Texas) for analysis of major cations, anions and TDS by Environmental Protection Agency (EPA) Methods 6010, 310.1, 375.4, 352.1, 9214 and 160.1. The fluids recovered during the sampling events were containerized and subsequently disposed at an OCD-permitted salt water disposal (SWD) facility by Chapparel Services, Inc. (Chapparel).

3.1 POTENTIOMETRIC SURFACE AND GRADIENT

Groundwater elevation data is presented in TABLE I. Groundwater gradient maps for February and August 2005 are presented in FIGURES 3 & 4, respectively. Depth to groundwater ranged from 59.32-feet to 81.85-feet below top of casing on February 9, 2005 and from 59.55-feet to 81.81-feet below top of casing on August 4, 2005. Groundwater flow at the Site is to the southeast at a gradient of 0.015-ft/ft.

3.2 ANALYTICAL RESULTS

The 2005 analytical results generally fall within historical ranges, and are summarized in TABLE II. All wells sampled in 2005 had at least one COC (Chloride, Fluoride, Nitrate-N, Sulfate or Total Dissolved Solids) that exceeded NMWQCC standards. Isopleth maps approximating chloride concentrations for the February and August 2005 groundwater monitoring events are shown on FIGURE 5 & 6, respectively.

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

- Chloride was detected at concentrations above the NMWQCC standard (250 mg/L) in 20 wells sampled in February 2005 and in 19 wells sampled in August 2005;

- Fluoride was detected at concentrations above the NMWQCC standard (1.60 mg/L) in 17 wells sampled in February 2005 and in 14 wells sampled in August 2005;

- Nitrate was detected at concentrations above the NMWQCC standard (10 mg/L) in one well during the August 2005 sampling event;

- Sulfate was detected at concentrations above the NMWQCC standard (600 mg/L) in one well during the February and August 2005 sampling events; and

- Total Dissolved Solids were detected at concentrations above the NMWQCC standard (1000mg/L) in 19 wells during the February and August 2005 events.

A duplicate sample was collected from RW-1 during the February 2005 event and three duplicate samples (DUP1, DUP2 & DUP3) were collected from MW-5, MW-7 and MW-19, during the August 2005, respectively. Copies of the certified analytical reports and chain-of-custody documentation are attached in APPENDIX A.

4.0 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;
- Request an additional monitor well downgradient of MW-19; and
- Conduct a pumping testing on RW-1 and evaluate options for remedial actions.

5.0 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 24 monitor wells.
- Depth to groundwater ranged from 59.32-feet to 81.85-feet below top of casing on February 9, 2005 and from 59.55-feet to 81.81-feet below top of casing on August 4, 2005. Groundwater flow at the Site is to the southeast at a gradient of 0.015-ft/ft.
- The analytical results generally fall within historical ranges. All wells sampled in 2005 had at least one COC (Chloride, Fluoride, Nitrate-N, Sulfate or Total Dissolved Solids) that exceeded NMOCD standards.
- On September 9, 2004, the NMSOE issued permit no. CP 00886 to divert groundwater through RW-1. Currently, CEMC is evaluating remedial options for the Site.

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

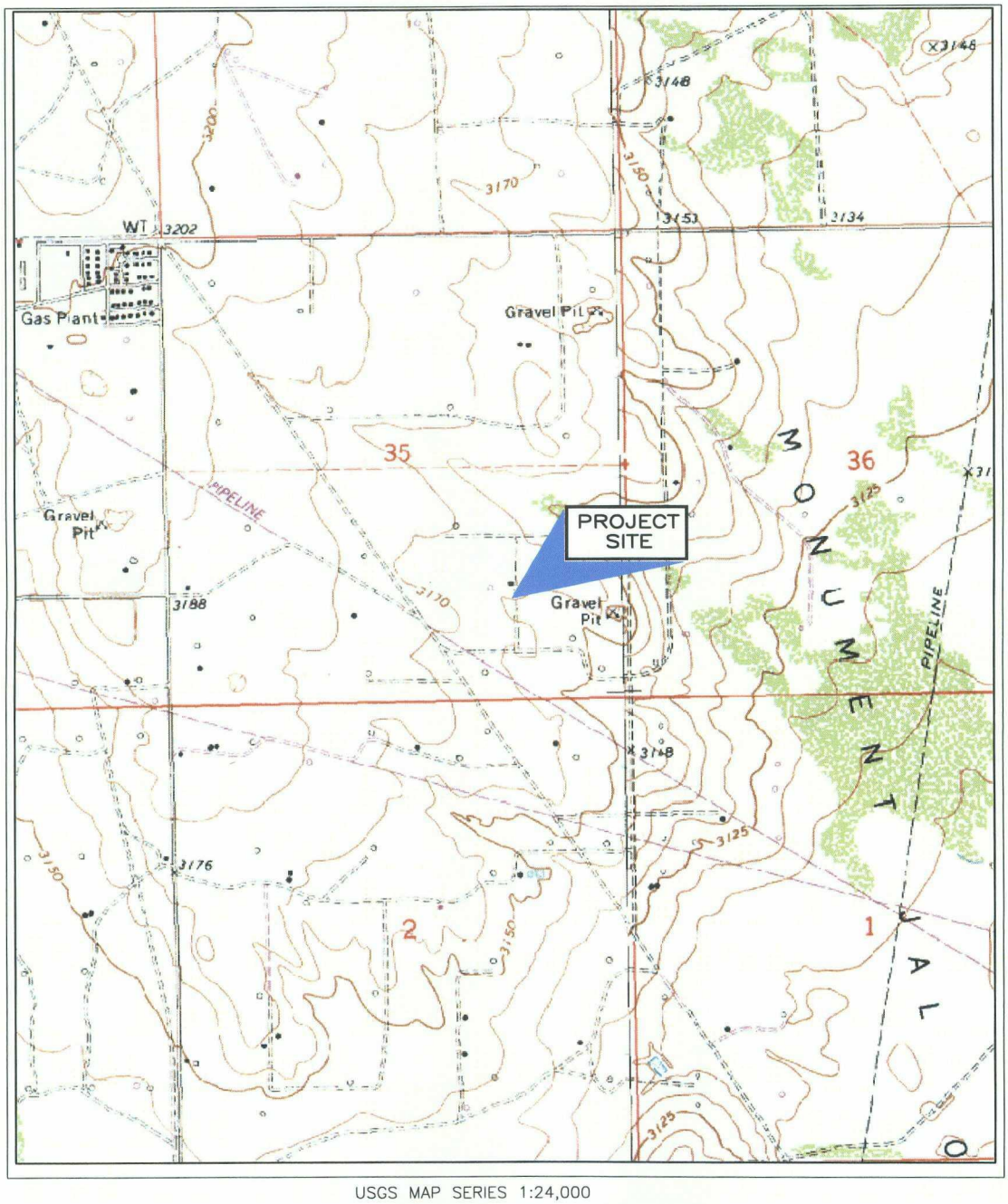
James Ornelas
Project Manager

for
Thomas C. Larson
Operations Manager

JAL NW QUADRANGLE
NEW MEXICO

LAT= 32° 10' 11.9" N
LONG= 103° 07' 46.9" W

PHOTOREVISED 1977



USGS MAP SERIES 1:24,000

0 1 2 4
(Miles)

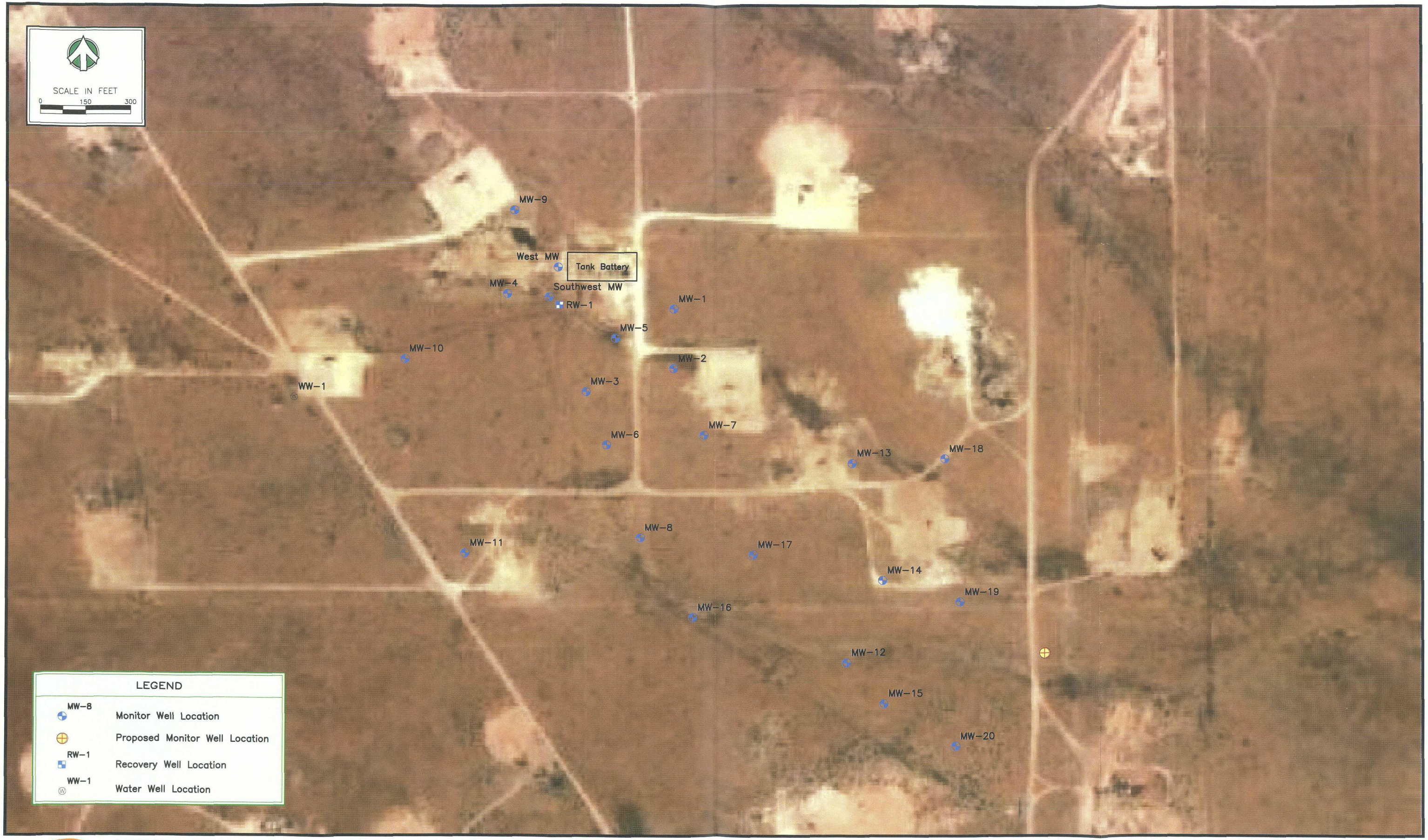
0 4000 8000 12000 16000
(Feet)

CONTOUR INTERVAL 5 FEET

NORTH

039124 SLR 020906

SITE LOCATION MAP	JOB No. 039124
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY SW/4, SE/4 SECTION 35, T-24-S, R-37-E LEA COUNTY, NM	FIGURE 1



039124 SLR 032706

SITE DETAILS MAP

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4 SECTION 35, T-24-S, R-37-E LEA COUNTY, NEW MEXICO

JOB No. 039124

FIGURE 2

SCALE IN FEET
0 150 300

MW–9
3104.57

3103.14
West MW

Tank Battery

MW–4
3102.82

Southwest MW 3102.49

RW–1
3102.22

MW–1
3101.23

MW–5
3101.43

NG
MW–10

MW–2
3099.44

WW–1
3100.46

MW–3
3099.90

MW–6
3097.01

MW–7
3094.32

MW–13
3088.42

MW–18
DRY

MW–11
3093.23

MW–8
3092.25

MW–17
3089.33

MW–14
3080.61

MW–19
3075.43

MW–16
3089.72

MW–12
3079.65

MW–15
DRY

MW–20
3069.71

3104
3102
3100
3098
3096
3094
3092
3090
3088
3086
3084
3082
3080
3078
3076
3074
3072
3070
3068

LEGEND

MW–8	Monitor Well Location
	Proposed Monitor Well Location
RW–1	Recovery Well Location
WW–1	Water Well Location
3094.38	Groundwater Level Elevation
	Groundwater Level Elevation Contour
	Direction of Groundwater Flow
NG	Not Gauged

NOTES:

1. Groundwater level elevations were collected by Larson & Associates on February 9, 2005.
2. Contours are at two–foot intervals.

039124 SLR 022406

GRA

GROUNDWATER GRADIENT MAP – FEBRUARY 2005
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A&B" FEDERAL NCT–2 TANK BATTERY
SW/4, SE/4 SECTION 35, T–24–S, R–37–E LEA COUNTY, NEW MEXICO

JOB No. 039124
FIGURE 3

SCALE IN FEET
0 150 300

MW-9
3104.18
3102.83
West MW
Tank Battery
Southwest MW 3102.21
MW-4
3102.53
RW-1
3102.01
MW-1
3107.07
MW-5
3101.20
3101.10
MW-10
MW-2
3093.29
WW-1
3100.32
MW-3
3099.78
MW-7
3095.44
MW-6
3101.05
MW-13
3088.81
MW-18
DRY
MW-11
3106.33
MW-8
3092.27
MW-17
3089.47
MW-14
3081.01
MW-19
3075.61
MW-16
3089.48
MW-12
3080.00
MW-15
MW-20
3069.75

3104
3102
3100
3098
3096
3094
3092
3090
3088
3086
3084
3082
3080
3078
3076
3074
3072
3070

LEGEND

MW-8	Monitor Well Location
	Proposed Monitor Well Location
RW-1	Recovery Well Location
WW-1	Water Well Location
3094.38	Groundwater Level Elevation
	Groundwater Level Elevation Contour
	Direction of Groundwater Flow
NG	Not Gauged

NOTES:

1. Groundwater level elevations were collected by Larson & Associates on August 4, 2005.
2. Contours are at two-foot intervals.
3. MW-2, MW-11, and MW-15 were not honored for contour generation.

039124 SLR 032506

GROUNDWATER GRADIENT MAP – AUGUST 2005

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4 SECTION 35, T-24-S, R-37-E LEA COUNTY, NEW MEXICO

JOB No. 039124

FIGURE 4

SCALE IN FEET
0 150 300

MW-9
1,960
417
West MW
Tank Battery
MW-4
4,520
Southwest MW
2,920
RW-1
1,730
DUP1
1,690
MW-1
289
MW-5
408
MW-10
1,110
MW-2
604
WW-1
NS
MW-3
879
MW-6
660
MW-7
332
MW-13
491
MW-18
DRY
MW-8
818
MW-11
DRY
MW-17
572
MW-14
6,120
MW-19
5,200
MW-16
944
MW-12
1,770
MW-15
DRY
MW-20
745

1000
2000
3000
4000
500
250
1000
2000
3000
4000
1000
2000
3000
4000
5000
6000
8000
1000

LEGEND

MW-8	Monitor Well Location
	Proposed Monitor Well Location
RW-1	Recovery Well Location
WW-1	Water Well Location
818	Chloride Concentration (mg/L)
NS	Not Sampled

NOTES:

1. Groundwater samples were collected by Larson & Associates on February 11, 2005.
2. Shaded cells indicate NWQCC Human Health Standard exceedence for chloride.

039124 SLR 032506

CHLORIDE ISOCONCENTRATION MAP – FEBRUARY 2005
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4 SECTION 35, T-24-S, R-37-E LEA COUNTY, NEW MEXICO

JOB No. 039124
FIGURE 5

SCALE IN FEET
0 150 300

MW-9
10,000
526
West MW
Tank Battery
Southwest MW 5,290
MW-4
6,580
RW-1
2,470
MW-1
245
MW-5 DUP1
423 394
MW-2
404
MW-10
1,500
MW-3
922
WW-1
NS
MW-7 DUP2
430 389
MW-6
764
MW-13
759
MW-18
NS
MW-8
888
MW-11
NS
MW-17
626
MW-14
6,480
MW-19 DUP3
4,850 5,170
MW-16
568
MW-12
1,800
MW-15
NS
MW-20
1,170

9000
8000
7000
6000
5000
4000
3000
2000
1000
500
300
400
600
1000
2000
3000
4000
5000
6000

LEGEND

MW-8	Monitor Well Location
	Proposed Monitor Well Location
RW-1	Recovery Well Location
WW-1	Water Well Location
818	Chloride Concentration (mg/L)
NS	Not Sampled

NOTES:

1. Groundwater samples were collected by Larson & Associates on August 4 & 5, 2005.
2. Shaded cells indicate NWQCC Human Health Standard exceedence for chloride.

039124 SLR 032506

CHLORIDE ISOCONCENTRATION MAP – AUGUST 2005
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
G.L. ERWIN "A&B" FEDERAL NCT-2 TANK BATTERY
SW/4, SE/4 SECTION 35, T-24-S, R-37-E LEA COUNTY, NEW MEXICO

JOB No. 039124
FIGURE 6

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	55'-85'
	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	
	2/9/2005			60.46	---	---	3101.23	
	8/4/2005			60.62	---	---	3101.07	
	2/22/2006		84.60	60.30	---	---	3101.39	
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	50'-70'
	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	
	2/9/2005			60.45	---	---	3099.44	
	8/4/2005			66.60	---	---	3093.29	
	2/22/2006		72.81	60.26	---	---	3099.63	
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	50'-70'
	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	
	2/9/2005			64.18	---	---	3099.90	
	8/4/2005			64.30	---	---	3099.78	
	2/22/2006		73.14	63.93	---	---	3100.15	

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	50'-70'
	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	
	2/9/2005			62.83	---	---	3102.82	
	8/4/2005			63.12	---	---	3102.53	
	2/23/2006		73.11	62.80	---	---	3102.85	
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	50'-70'
	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	
	2/9/2005			59.32	---	---	3101.43	
	8/4/2005			59.55	---	---	3101.20	
	2/22/2006		72.95	59.22	---	---	3101.53	
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	59'-74'
	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	
	8/4/2005			63.13	---	---	3101.05	
	2/22/2006		77.00	66.72	---	---	3097.46	

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	55'-70'
	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	
	8/4/2005			66.62	---	---	3095.44	
	2/22/2006		72.56	66.31	---	---	3095.75	
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	50'-70'
	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	
	2/9/2005			67.41	---	---	3092.25	
	8/4/2005			67.39	---	---	3092.27	
	2/22/2006		73.40	67.04	---	---	3092.62	
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	55'-70'
	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	
	8/4/2005			62.89	---	---	3104.18	
	2/23/2006		69.60	62.48	---	---	3104.59	

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-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	54'-69'
	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	---	---	---	
	8/4/2005			69.89	---	---	3101.10	
	2/22/2006		71.95	69.59	---	---	3101.40	
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	58'-73'
	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	
	2/22/2006		75.45	74.71	---	---	3093.53	
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	59'-74'
	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	
	8/4/2005			72.48	---	---	3080.00	
	2/22/2006		77.60	72.15	---	---	3080.33	

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	53'-68'
	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	
	8/4/2005			66.11	---	---	3088.81	
	2/22/2006		70.54	65.73	---	---	3089.19	
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	79.5'-89.5'
	2/9/2005			71.30	---	---	3080.61	
	8/4/2005			70.90	---	---	3081.01	
	2/22/2006		92.30	70.49	---	---	3081.42	
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	64.5'-84.5'
	2/9/2005			DRY	---	---	DRY	
	8/4/2005			86.91	---	---	3065.57	
	2/22/2006		87.40	86.54	---	---	3065.94	
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	59.5'-74.5'
	2/9/2005			67.53	---	---	3089.72	
	8/4/2005			67.77	---	---	3089.48	
	2/22/2006		74.42	67.24	---	---	3090.01	
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	57'-77'
	2/9/2005			69.04	---	---	3089.33	
	8/4/2005			68.90	---	---	3089.47	
	2/22/2006		80.10	68.72	---	---	3089.65	

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-18	11/23/2004	2	76.98	DRY	---	---	DRY	
3,151.08	2/9/2005			DRY	---	---	DRY	
	8/4/2005			DRY	---	---	DRY	54.5'-74.5
	2/22/2006		78.43	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	82.5'-102.5'
	2/22/2006		105.55	71.83	---	---	3075.96	
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	72.5'-92.5'
	2/22/2006		92.23	81.71	---	---	3069.85	
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	
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	

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	
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	53'-73'
	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	
	2/9/2005			61.30	---	---	3102.22	
	8/4/2005			61.51	---	---	3102.01	
	2/23/2006		75.45	61.20	---	---	3102.32	

Notes:
[1]TOC - Top of Casing
[2]MSL - Mean Sea Level
[3]BGS - Below ground surface
[4]NG - Not Gauged

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	08/22/97	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/98	<2.0	220	233	--	--	92	--	--	--	--	812	276	--
	02/07/01	<1.0	136	440	2.1	2.8	70	15.7	55.8	11.4	115	1,200	--	--
	05/03/02	<1.0	144	428	1.60	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
	02/18/03	<0.1	147	213	---	---	114	59.1	21.4	5.06	116	713	---	<0.10
	06/02/03	<1.0	132	434	1.77	2.99	73.3	135	47.8	8.62	118	1,320	---	<1.00
	08/25/03	<1.0	144	279	1.76	3.39	73.3	92.7	31.3	7.17	118	856	---	<1.00
	11/05/03	<1.0	162	330	1.94	3.42	78.9	110	37.7	9.03	114	994	---	<1.00
	02/04/04	<1.0	142	390	1.92	3.25	71.1	117	43.2	10.2	113	940	---	<1.00
	05/06/04	<1.00	260	403	1.9	4.8	135	60.2	18.3	8.93	302	1,316	---	<1.00
	08/03/04	<0.1	155	222	---	---	83.2	64.1	30.8	6.41	127	431	---	<0.10
Dup	08/03/04	<0.1	158	301	---	---	104	101	45.5	672	436	605	---	<0.10
	02/11/05	<1.00	146	289	2.68	4.3	79.2	97.9	33.5	8.18	108	840	---	<1.00
	08/05/05	<1.00	156	245	2.08	4.34	89.6	75.5	26.7	6.99	125	856	---	<1.00
	02/22/06	<10.0	160	180	1.6	3.5	83	55.9	18.7	5.19	104	707	---	<10.0
Dup	02/22/06	<10.0	170	160	1.6	3.5	85	57.9	20	5.23	102	840	---	<10.0
MW-2	08/22/97	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/98	<2.0	360	423	--	--	141	--	--	--	--	1,257	124	--
	02/07/01	<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	10.0	250	337	---	---	176	18.1	4.92	7.49	329	1,120	---	<0.10
	12/27/02	12.0	238	319	---	---	142	17.8	5.16	6.1	339	1,110	---	<0.10
	02/18/03	<0.1	228	310	---	---	178	19.4	6.02	6.3	331	1,070	---	<0.10
	06/02/03	<1.0	206	769	2.05	4.43	115	176	52.6	9.94	383	1,955	---	<1.00
	08/25/03	<1.0	242	374	2.07	5.14	142	36.1	10.8	8.49	333	1,240	---	<1.00
	11/05/03	<1.0	232	498	2.21	5.13	145	68.7	21.1	10.1	327	1,354	---	<1.00
	02/04/04	<1.0	230	450	2.06	4.97	131	76.1	25.2	10.7	324	1,424	---	<1.00
	05/06/04	<1.00	150	341	1.79	3.23	75.3	108	38.5	8.38	102	984	---	<1.00
	08/03/04	<0.1	236	496	---	---	144	50.8	34.7	11	472	811	---	<0.10
	02/11/05	<1.00	220	604	2.79	5.48	130	103	34.5	11.3	324	1,462	---	<1.00
	08/05/05	<1.00	228	404	2.24	5.7	154	34.5	10.3	10.7	341	1,120	---	<1.00
	02/22/06	<10.0	250	320	1.7	5.1	150	19.5	5.84	6.15	259	1,150	---	<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	08/22/97	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/98	<2.0	410	983	--	--	173	--	--	--	--	2,261	232	--
	02/07/01	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
	02/18/03	<0.1	277	762	---	---	180	25.2	7.84	16.4	580	1,950	---	<0.10
	06/02/03	<1.0	270	802	3.07	8.06	203	64.9	20	18.5	728	2,720	---	<1.00
	08/26/03	<1.0	282	799	3	7.99	198	54.9	18	16.4	597	2,320	---	<1.00
	11/06/03	<1.0	286	746	2.92	7.26	214	37.4	11.1	24.9	577	2,092	---	<1.00
Dup	11/06/03	<1.0	132	521	1.85	2.92	98.1	120	39.5	9.15	200	1,392	---	<1.00
	02/04/04	<1.0	296	755	2.74	7.36	205	42.7	13.1	27.1	546	2,275	---	<1.00
	05/07/04	<1.00	300	774	2.57	7.02	197	38.8	11.2	22.2	528	2,140	---	<1.00
	08/03/04	<0.1	291	798	---	---	155	21.5	16.7	25.8	794	1,640	---	<0.10
	02/11/05	<1.00	292	879	4.61	9.47	196	47	14.5	19.1	590	2,240	---	<1.00
	08/04/05	<1.00	282	922	2.86	8.17	217	48	14.7	21.1	630	1,950	---	<1.00
	02/22/06	<10.0	250	1,100	1.6	8.5	190	46.8	15.3	15.1	446	3,860	---	<10.0
MW-4	08/22/97	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/98	<2.0	510	372	--	--	136	--	--	--	--	1,268	---	--
	02/07/01	<1.0	286	1,200	1.7	4.7	100	248	84.7	24	506	2,600	--	--
	05/03/02	<1.0	250	868	1.0	4.72	163	137	48.4	40.7	441	--	--	<1.00
	10/14/02	<0.1	342	381	--	--	124	9.4	2.48	38.4	405	1,220	--	<0.10
Dup	10/14/02	<0.1	358	372	--	--	116	8.8	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
	02/18/03	<0.1	264	691	---	---	118	32.2	7.5	59	474	1,610	---	<0.10
	05/30/03	<1.0	236	1,020	<2.00	5.53	79.6	113	29.7	59.8	664	2,670	---	<1.00
	08/25/03	<1.0	192	1,170	<2.00	5.43	72.9	143	35	82.1	616	2,935	---	<1.00
	11/07/03	<1.0	194	1,620	<2.00	5.48	76.6	228	61.4	83.6	629	3,035	---	<1.00
	02/05/04	<1.0	170	1,730	<2.00	5.93	79	277	75.9	108	630	3,380	---	<1.00
	05/06/04	<1.00	158	2,150	<3.00	5.94	88.2	407	99.9	99.7	593	4,090	---	<1.00
	08/03/04	<0.1	150	2,730	---	---	125	632	191	124	832	6,810	---	<0.10
	02/11/05	<1.00	136	4,520	<1.00	5.19	127	1060	289	156	983	9,030	---	<1.00
	08/04/05	<1.00	132	6,580	<1.00	5.34	166	1650	375	142	1440	13,200	---	<1.00
	02/23/06	<10.0	130	9,100	<2.5	10	220	1510	326	141	1070	17,900	---	<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-5	08/22/97	--	--	--	--	--	--	--	--	--	--	--	--	--
	02/17/98	<2.0	360	408	--	--	151	--	--	--	--	1,219	116	--
	02/07/01	<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
	02/18/03	<0.1	210	319	---	---	176	27.2	8.48	16.5	231	1,110	---	<0.10
	06/02/03	<1.0	196	588	1.23	4.86	142	132	40.5	21.2	364	1,644	---	<0.10
	08/26/03	<1.0	210	447	1.32	4.85	141	95.1	29	23.4	291	1,480	---	<1.00
	11/06/03	<1.0	214	456	1.43	5.11	152	94	29.3	24.8	282	1,430	---	<1.00
	02/04/04	<1.0	206	504	1.38	5.31	147	95.1	31.4	27.3	289	1,410	---	<1.00
	05/07/04	<1.00	222	381	1.02	5.98	151	55.9	16.3	25.7	301	1,250	---	<1.00
Dup	05/07/04	<1.00	242	330	1.04	5.75	152	50.7	14.6	27.4	292	1,168	---	<1.00
	08/03/04	<0.1	229	461	---	---	155	47.9	31.3	31.1	435	968	---	<0.10
	02/11/05	<1.0	288	408	2.58	8.36	243	46.2	13.3	30.6	433	1,598	---	<1.0
	08/04/05	<1.00	256	423	1.83	6.82	201	60.5	18.6	20.3	354	1,334	---	<1.00
DUP1	08/04/05	<1.00	242	394	1.82	6.74	200	49.2	14.8	21.5	341	1,220	---	<1.00
	02/22/06	<10.0	220	800	1.3	6.6	160	222	69.4	14	274	2,670	---	<10.0
MW-6	02/07/01	<1.0	200	1800	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	36.00	218	620	--	--	192	21.2	6.08	13.6	584	1,650	---	<0.10
	02/18/03	16.00	238	638	---	---	298	22.1	6.43	11.8	524	1,700	---	<0.10
	06/02/03	<1.0	244	772	3.24	6.62	181	68.7	23.3	14.4	614	2,040	---	<1.00
	08/26/03	<1.0	246	607	2.95	6.65	179	35.9	11.6	12.2	525	2,370	---	<1.00
	11/06/03	<1.0	250	649	3.28	6.89	191	46	13.9	18.1	503	1,932	---	<1.00
	02/04/04	<1.0	266	713	3.15	7.2	189	48.9	15.4	19.9	517	2,210	---	<1.00
	05/07/04	<1.00	266	696	2.92	6.74	182	54.8	16.1	16	503	2,095	---	<1.00
	08/03/04	<0.1	260	718	---	---	240	22.7	21.7	21.7	825	1,430	---	<0.10
	02/11/05	<1.00	270	660	3.76	7.84	192	30.1	9.13	19.5	531	1,774	---	<1.00
	08/04/05	<1.00	268	764	3.16	7.83	206	56.6	18.8	15.3	576	1,650	---	<1.00
	02/22/06	<10.0	270	610	2.4	7.9	180	23.9	7.41	10.9	380	1,570	---	<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-7	02/07/01	<1.0	238	500	3.20	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
	02/17/03	<0.1	200	603	---	---	134	90.6	30.9	5.86	339	1,440	---	<0.10
	06/02/03	<1.0	242	388	3.23	4.33	115	39.5	12.5	6.16	370	1,216	---	<1.00
	08/25/03	<1.0	232	367	2.77	4.07	105	39.3	12.3	7.14	309	1,244	---	<1.00
	11/05/03	<1.0	240	343	3.08	4.16	117	36.6	11.4	7.67	304	1,186	---	<1.00
Dup	11/05/03	<1.0	238	355	3.04	4.19	117	34.7	10.8	7.63	298	1,170	---	<1.00
	02/04/04	<1.0	262	320	3.1	4.25	112	30.7	9.87	7.95	298	1,138	---	<1.00
	05/06/04	<1.00	260	339	2.90	4	112	35.2	10.3	6.81	282	1,172	---	<1.00
	08/03/04	<0.1	248	328	---	---	126	22.8	12.1	7.55	436	734	---	<0.10
	02/11/05	<1.00	238	332	3.76	4.65	123	31.5	9.99	7.75	296	1,128	---	<1.00
	08/05/05	<1.00	240	430	3.1	4.36	144	58.2	19.2	8.43	325	1,180	---	<1.00
DUP2	08/05/05	<1.00	236	387	3.1	4.30	144	38.7	12.5	6.51	315	1,100	---	<1.00
	02/22/06	<10.0	290	240	2.6	3.3	120	30.6	9.98	4.89	227	1,120	---	<10.0
MW-8	02/07/01	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
	02/18/03	<0.1	213	833	---	---	185	53	17.6	7.13	489	1,930	---	<0.10
	06/02/03	<1.0	244	777	3.29	6.82	173	60	18.9	9.47	650	1,968	---	<1.00
	08/25/03	<1.0	244	738	2.85	6.42	159	59.4	17.3	11.4	534	1,996	---	<1.00
	11/07/03	<1.0	248	722	3.27	6.65	171	58.1	17.9	12.2	525	1,972	---	<1.00
	02/04/04	<1.0	254	764	3.77	7.85	161	55.2	18.2	13.2	522	2,038	---	<1.00
	05/06/04	8.00	262	774	3.36	7.43	164	56.2	16.9	10.7	501	1,968	---	<1.00
	08/04/04	<0.1	246	771	---	---	222	28.6	21.5	11	707	1,530	---	<0.10
	02/11/05	<1.00	238	818	4.28	8.46	167	58.3	19	13.2	543	2,080	---	<1.00
	08/05/05	<1.00	236	888	3.29	7.66	184	71.5	23.3	11.7	574	2,230	---	<1.00
	02/22/06	<10.0	230	810	2.4	7.9	170	55.1	18	8.05	390	1,740	---	<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-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
	02/18/03	<0.1	105	461	---	---	126	99.3	34.1	5.62	200	1,190	---	<0.10
	05/30/03	<1.0	122	514	1.82	3.01	102	113	37.9	7.98	240	1,324	---	<1.00
	08/25/03	<1.0	114	562	1.58	2.98	95.2	120	39.2	9.45	219	1,428	---	<1.00
	11/07/03	<1.0	132	468	1.68	2.86	96.2	119	39	9.18	200	1,250	---	<1.00
	02/05/04	<1.0	124	610	2.32	4.18	97.7	125	41.1	10.3	221	1,345	---	<1.00
Dup	02/05/04	<1.0	120	581	1.23	2.19	53.6	132	43.9	10.1	203	1,325	---	<1.00
	05/05/04	<1.00	122	616	1.39	2.68	91	142	50	9.65	212	1,428	---	<1.00
Dup	05/05/04	<1.00	124	599	1.43	2.72	92.2	144	46.7	9.82	223	1,476	---	<1.00
	08/03/04	<0.1	110	691	---	---	115	184	62.9	10.5	279	1,530	---	<0.10
	02/11/05	<1.00	98	1,960	3.63	5.36	103	495	164	21.5	388	3,920	---	<1.00
	08/04/05	<1.00	218	10,000	1.54	5.15	224	2,280	686	42.8	1,390	27,000	---	<1.00
	02/23/06	<10.0	110	13,000	<2.5	19	430	2,050	438	47.8	1,450	24,300	---	<10.0
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
	02/18/03	<0.1	184	65	---	---	159	67.1	22.8	3.04	90.7	552	---	<0.10
	06/02/03	<1.0	198	55.7	1.6	4.31	134	75.7	22.4	4.95	80.4	624	---	<1.00
	08/26/03	<1.0	188	56.1	1.58	4.1	125	70.6	23.4	6.29	72.3	688	---	<1.00
	11/07/03	<1.0	200	70.9	1.69	4.19	131	70.2	23.5	5.8	69.3	638	---	<1.00
	02/05/04	<1.0	196	101	1.68	4.22	121	75.8	25.7	6.29	73.8	674	---	<1.00
	05/07/04	<1.00	174	186	1.4	3.8	111	92.9	30.1	6.34	78.3	736	---	<1.00
	08/03/04	<0.1	144	328	---	---	118	106	49.5	7.7	106	796	---	<0.10
	02/11/05	<1.0	112	1,110	3.44	5.86	93.1	357	115	14	157	2,295	---	<1.00
	08/04/05	<1.00	112	1,500	1.32	4.02	94.5	419	139	11.5	186	3,420	---	<1.00
	02/22/06	<10.0	89	2,000	<0.50	6.5	98	520	158	13.8	180	6,180	---	<10.0
MW-11	4/30/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/11/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/26/2002	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/17/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/29/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/22/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/5/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/3/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/5/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/2/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/23/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/9/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/4/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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	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
	02/17/03	<0.1	68	1,530	---	---	52.4	461	170	13.3	136	3,980	---	<0.10
	06/02/03	<1.0	72	1,380	<2.00	5.06	45.8	491	157	15.3	151	3,250	---	<1.00
	08/26/03	<1.0	66	1,550	<2.00	4.94	45.9	525	178	14.8	156	3,855	---	<1.00
	11/06/03	<1.0	80	1,610	2.25	4.81	50.3	568	189	20.1	159	3,860	---	<1.00
	02/05/04	<1.0	74	1,680	2.19	5.13	46	525	181	21.6	160	2,910	---	<1.00
	05/07/04	<1.0	70	1,620	<3.00	5.13	53.6	541	178	18.5	152	3,085	---	<1.0
	08/03/04	<0.1	66	1,680	---	---	55.2	680	252	31.1	211	4,300	---	<0.10
	02/11/05	<1.00	82	1,770	2.04	6.08	47.7	503	176	17.8	138	3,080	---	<1.00
	08/05/05	<1.00	72	1,800	1.66	4.69	48.6	547	194	15.2	149	4,180	---	<1.00
	02/22/06	<10.0	73	1,700	0.70	6.7	48	415	135	14.9	129	4,890	---	<10.0
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
	02/17/03	<0.1	80	443	---	---	144	152	54.9	8.88	108	1,370	---	<0.10
	06/02/03	<1.0	102	421	2.27	4.43	122	153	56	11	90.9	1,260	---	<1.00
	08/26/03	<1.0	92	500	2.1	4.23	115	179	66	12	95.6	1,360	---	<1.00
	11/06/03	<1.0	98	492	2.25	4.42	125	193	68.6	14.3	91.5	1,434	---	<1.00
	02/05/04	<1.0	96	543	2.3	4.56	120	179	65.6	15.4	98.3	1,220	---	<1.00
	05/07/04	<1.00	98	496	2.04	4.14	116	184	62.2	12.8	89.3	1,278	---	<1.00
	08/03/04	<0.1	95	532	---	---	116	225	77.3	15	111	1,410	---	<0.10
	02/11/05	<1.00	100	491	2.19	5.36	117	171	61.7	13.3	92.3	1,260	---	<1.00
	08/05/05	<1.00	96	759	2.29	5.11	125	217	70.8	12.7	103	1,550	---	<1.00
	02/22/06	<10.0	89	590	1.7	4.8	120	177	61.2	11.5	91.8	2,090	---	<10.0
MW-14	11/05/03	<1.0	100	3,500	<4.00	6.58	525	951	324	45.3	732	7,315	---	<1.00
	02/04/04	<1.0	74	3,910	<3.00	6.01	559	966	320	46.1	840	7,720	---	<1.0
	05/06/04	<1.00	86	3,970	<4.00	5.54	594	997	350	42.5	836	9,560	---	<1.00
	08/04/04	<0.1	78	4,430	---	---	895	1,350	455	60.3	1,220	11,500	---	<0.10
	02/11/05	<1.00	80	6,120	3.5	5.99	752	1,180	370	56.8	1,250	8,860	---	<1.00
	08/05/05	<1.00	86	6,480	1.84	5.04	882	1,230	400	46.3	1,440	9,570	---	<1.00
	02/22/06	<10.0	81	5,300	<0.50	11	700	914	253	34.1	885	12,100	---	<10.0
Dup	02/22/06	<10.0	82	5,000	<0.50	<40	690	916	253	34	884	11,600	---	<10.0
MW-15	11/5/2003	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/3/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/5/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/2/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/23/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/9/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/4/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2006	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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	11/06/03	<1.0	188	863	1.79	5.65	150	183	55.6	14.2	372	2,100	---	<1.00
	02/04/04	<1.0	174	937	2.19	6.59	123	235	76.8	15.2	299	2,200	---	<1.00
	05/07/04	<1.00	172	953	<2.00	5.91	123	240	73.8	12.7	313	2,280	---	<1.00
	08/03/04	<0.1	158	1,010	---	---	159	250	87.5	13.5	382	2,560	---	<0.10
	02/11/05	<1.00	180	944	2.4	7.24	151	198	62.4	10.9	344	2,260	---	<1.00
	08/05/05	<1.00	230	568	1.99	5.14	146	134	46.9	8.7	249	1,420	---	<1.00
	02/22/06	<10.0	180	590	1.3	5.2	110	120	39.1	7.17	207	1,770	---	<10.0
MW-17	11/05/03	<1.0	154	587	2.06	3.85	104	177	58.2	12.5	184	1,556	---	<1.00
	02/04/04	<1.0	158	650	2.01	3.93	93.1	158	52.5	12.2	205	1,416	---	<1.00
Dup	02/04/04	<1.0	172	557	2.08	4.03	95.7	162	52.6	12.1	204	1,496	---	<1.00
	05/06/04	<1.00	162	604	1.77	3.57	91.2	182	57.7	10.9	176	1,416	---	<1.00
	08/04/04	<0.1	141	638	---	---	132	207	81	12.7	221	1,660	---	<0.10
	02/11/05	<1.00	174	572	2.94	4.61	101	134	45.9	11	229	1,470	---	<1.00
	08/05/05	<1.00	172	626	2.16	4.37	106	169	53.5	9.5	220	1,750	---	<1.00
	02/22/06	<10.0	150	580	1.5	4.0	97	123	40.1	8.04	187	1,810	---	<10.0
MW-18	11/23/2004	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/9/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/4/2005	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2006	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	2,020	678	52.4	1590	12,900	---	<1.00
	02/11/05	<1.00	92	5,200	1.3	5.12	502	1,340	522	61.3	974	22,000	---	<1.00
	08/05/05	<1.00	82	4,850	1.76	4.7	450	1,200	422	50.6	793	9,750	---	<1.00
DUP3	08/05/05	<1.00	80	5,170	1.87	4.83	462	1,270	463	51.0	814	15,800	---	<1.00
	02/22/06	<10.0	75	3,900	<0.50	8.9	400	870	271	32.6	464	8,830	---	<10.0
MW-20	11/23/04	<1.00	82	606	2.49	2.9	79.7	176	62.6	13.6	104	985	---	<1.00
	02/11/05	<1.00	88	745	1.86	4.34	73.8	227	77.5	15	117	1,480	---	<1.00
	08/05/05	<1.00	80	1,170	1.76	4.55	84.5	326	116	14.7	162	2,640	---	<1.00
	02/22/06	<10.0	110	1,100	0.98	5.5	83	295	103	13.5	145	3,000	---	<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	08/22/97	--	--	250	--	--	--	--	--	--	--	--	--	--
	02/17/98	<2.0	370	237	--	--	134	--	--	--	--	975	96	--
	02/07/01	<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
	02/18/03	<0.1	190	354	---	---	141	33.6	9.78	23.9	152	1,010	---	<0.10
	05/30/03	<1.0	202	353	1.54	4.16	116	48.4	13.3	35.1	283	1,050	---	<1.00
	08/25/03	<1.0	194	351	1.5	4.08	112	49.4	13.2	38.4	265	1,066	---	<1.00
	11/07/03	<1.0	204	327	1.65	3.98	115	51.3	13.8	38.8	235	1,100	---	<1.00
	02/05/04	<1.0	196	345	1.66	4.09	112	51.6	14.6	41.4	235	1,074	---	<1.00
	05/06/04	<1.00	200	339	1.44	3.83	115	53.6	14	37.3	241	1,040	---	<1.00
	08/03/04	<0.1	186	337	---	---	147	41.7	20.1	49.1	297	717	---	<0.10
	02/11/05	<1.00	186	417	2.44	4.47	117	75.9	21.4	43.9	241	1,128	---	<1.00
	08/04/05	<1.00	150	526	1.54	4.16	129	87	23.6	42.2	280	1,104	---	<1.00
	02/23/06	<10.0	150	800	0.76	4	110	149	44.3	47.1	257	2,390	---	<10.0
Southwest	08/22/97	--	--	3,300	--	--	--	---	--	--	--	--	--	--
	02/17/98	<2.0	420	2,170	--	--	255	--	--	--	--	4,719	712	--
	02/07/01	<1.0	326	1,900	2.2	5	350	197	59.1	---	1,078	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
	02/18/03	<0.1	289	1,290	---	---	300	104	31.3	63	918	2,910	---	<0.10
Dup	02/18/03	<0.1	298	1,310	---	---	299	108	32.2	58.3	812	3,040	---	<0.10
	06/02/03	<1.0	304	1,420	2.34	5.83	282	161	45.7	49.1	935	4,070	---	<1.00
Dup	06/02/03	<1.0	290	1,370	2.12	5.65	287	169	54.5	45	899	3,420	---	<1.00
	08/25/03	<1.0	310	1,190	2.25	6.1	272	117	33.6	49.7	774	3,205	---	<1.00
Dup	08/25/03	<1.0	200	1,260	<2.00	5.61	75.5	159	41.8	79	591	3,270	---	<1.00
	11/07/03	<1.0	300	1,240	2.29	5.77	255	129	35.4	48.5	727	3,275	---	<1.00
	02/05/04	<1.0	300	1,240	2.37	6.17	238	109	33.1	52.2	716	2,860	---	<1.00
	05/06/04	<1.00	294	1,310	<3.00	6.38	231	158	30.8	53.2	780	3,180	---	<1.00
	08/03/04	<0.1	276	1,400	---	---	264	75.1	45.2	82.4	1,660	2,550	---	<0.10
	02/11/05	<1.00	260	2,920	1.33	9.61	230	323	94.5	84.4	1,240	5,575	---	<1.00
	08/04/05	<1.00	226	5,290	1.55	11.7	325	691	201	101	1,980	12,000	---	<1.00
	02/23/06	<10.0	300	3,000	<2.5	11	450	373	108	77.1	896	6,300	---	<10.0

TABLE 11

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
	02/18/03	<0.1	300	1,150	---	---	316	79.7	25.7	53	721	2,690	---	<0.10
	06/02/03	<1.0	276	1,500	2.05	5.34	275	194	67.21	40.8	923	4,070	---	<1.00
	08/25/03	<1.0	298	1,190	2.01	6.15	278	117	32.7	46.1	705	2,940	---	<1.00
	11/07/03	<1.0	298	1,300	2.13	5.56	266	166	48.1	51.7	106	3,240	---	<1.00
	02/05/04	<1.0	292	1,270	2.22	5.92	246	148	44.7	53.8	704	2,780	---	<1.00
	05/06/04	<1.00	310	1,100	<3.00	6.62	235	104	28.3	53.8	635	2,840	---	<1.00
Dup	05/06/04	<1.00	288	1,040	<3.00	6.64	243	90	24.1	44.5	642	2,705	---	<1.00
	08/04/04	<0.1	284	1,120	---	---	290	44.8	33	86.9	785	2,250	---	<0.10
Dup	08/04/04	<0.1	288	1,130	---	---	274	45	31.6	84	961	2,550	---	<0.10
	02/11/05	<1.00	262	1,730	3.59	8.93	217	172	51.5	84	910	3,995	---	<1.00
Dup	02/11/05	<1.00	268	1,690	2	8.59	224	159	46.4	81	813	3,170	---	<1.00
	08/04/05	<1.00	252	2,470	1.26	5.8	188	262	76.1	87.5	1,090	5,120	---	<1.00
	02/23/06	<10.0	290	2,400	<2.5	8.9	350	234	67.6	70.4	762	4,680	---	<10.0
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
	02/18/03	<0.1	152	115	---	---	137	53.8	22.1	6.38	93.5	601	---	<0.10
	06/02/03	<1.0	154	127	1.69	3.77	119	59.5	24.1	7.14	118	621	---	<1.00
	08/25/03	<1.0	148	136	1.7	3.72	111	63	24	8.43	104	652	---	<1.00
	11/07/03	<1.0	156	149	1.8	3.62	111	62.3	24.4	8.3	95.5	669	---	<1.00
	02/04/04	<1.0	156	185	1.81	3.79	102	68.2	25.5	8.7	92.4	709	---	<1.00
	05/05/04	<1.00	148	204	1.54	3.48	99.7	71.9	26.5	8.25	120	695	---	<1.00
	08/04/04	<0.1	132	222	---	---	114	92.3	37.9	9.89	139	471	---	<0.10
	08/04/05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	02/23/06	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 detection 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, Texas
8. Highlight: Result exceeds NMWQCC standard
9. WW: Water well
9. NS: Not sampled

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
155 McCutcheon, Suite H El Paso, Texas 79932 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Cindy Crain
Larson and Associates, Inc.
P. O. Box 50685
Midland, Tx 79710

Report Date: April 20, 2005

Work Order: 5021415

Client Name: Chev TX
Project Name: G.L. Erwin
Project Number: 0-0112

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
54563	MW-10	water	2005-02-11	10:50	2005-02-12
54564	RW-1	water	2005-02-11	11:00	2005-02-12
54565	SWMW	water	2005-02-11	11:13	2005-02-12
54566	MW-4	water	2005-02-11	11:20	2005-02-12
54567	W-MW	water	2005-02-11	11:29	2005-02-12
54568	MW-5	water	2005-02-11	11:36	2005-02-12
54569	MW-3	water	2005-02-11	11:48	2005-02-12
54570	MW-6	water	2005-02-11	11:59	2005-02-12
54571	MW-7	water	2005-02-11	12:07	2005-02-12
54572	MW-2	water	2005-02-11	12:16	2005-02-12
54573	MW-1	water	2005-02-11	13:25	2005-02-12
54574	MW-9	water	2005-02-11	13:34	2005-02-12
54575	MW-13	water	2005-02-11	13:43	2005-02-12
54576	MW-17	water	2005-02-11	14:01	2005-02-12
54577	MW-14	water	2005-02-11	13:50	2005-02-12
54578	MW-8	water	2005-02-11	14:08	2005-02-12
54579	MW-16	water	2005-02-11	14:15	2005-02-12
54580	DUP-1	water	2005-02-11	00:00	2005-02-12
54581	MW-12	water	2005-02-11	14:21	2005-02-12
54582	MW-19	water	2005-02-11	14:48	2005-02-12
54583	MW-20	water	2005-02-11	14:31	2005-02-12

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

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Dr. Blair Leftwich, Director

Analytical Report

Sample: 54563 - MW-10

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	15978	Date Analyzed:	2005-02-17	Analyzed By:	RS
Prep Batch:	14096	Sample Preparation:	2005-02-17	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**112**	mg/L as CaCo3	1	4.00
Total Alkalinity		**112**	mg/L as CaCo3	1	4.00

Sample: 54563 - MW-10

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15993	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**357**	mg/L	10	0.500
Dissolved Potassium		**14.0**	mg/L	1	0.500
Dissolved Magnesium		**115**	mg/L	10	0.500
Dissolved Sodium		**157**	mg/L	10	0.500

Sample: 54563 - MW-10

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	15938 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14056	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1110**	mg/L	100	0.500
Fluoride		**3.44**	mg/L	10	0.200
Sulfate		**93.1**	mg/L	10	0.500

Sample: 54563 - MW-10

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	15938 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14056	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**5.86**	mg/L	10	0.200

Sample: 54563 - MW-10

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	15909	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14022	Sample Preparation:	2005-02-14	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**2295**	mg/L	5	10.00

Sample: 54564 - RW-1

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16016	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14130	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**262**	mg/L as CaCo3	1	4.00
Total Alkalinity		**262**	mg/L as CaCo3	1	4.00

Sample: 54564 - RW-1

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15993	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**172**	mg/L	10	0.500
Dissolved Potassium		**84.0**	mg/L	1	0.500
Dissolved Magnesium		**51.5**	mg/L	1	0.500
Dissolved Sodium		**910**	mg/L	10	0.500

Sample: 54564 - RW-1

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	15938 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14056	Sample Preparation:	2005-02-15	Prepared By:	WB

[a] Recieved out of holding time for nitrate.

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1730**	mg/L	100	0.500
Fluoride		**3.59**	mg/L	10	0.200
Sulfate		**217**	mg/L	10	0.500

Sample: 54564 - RW-1

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	15938 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14056	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**8.93**	mg/L	10	0.200

Sample: 54564 - RW-1

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	15909	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14022	Sample Preparation:	2005-02-14	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**3995**	mg/L	5	10.00

Sample: 54565 - SWMW

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16016	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14130	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**260**	mg/L as CaCo3	1	4.00
Total Alkalinity		**260**	mg/L as CaCo3	1	4.00

Sample: 54565 - SWMW

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15993	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

continued...

sample 54565 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**323**	mg/L	10	0.500
Dissolved Potassium		**84.4**	mg/L	10	0.500
Dissolved Magnesium		**94.5**	mg/L	1	0.500
Dissolved Sodium		**1240**	mg/L	100	0.500

Sample: 54565 - SWMW

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16628	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	14669	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2920**	mg/L	500	0.500
Fluoride		**1.33**	mg/L	5	0.200
Sulfate		**230**	mg/L	5	0.500

Sample: 54565 - SWMW

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16628	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	14669	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**9.61**	mg/L	5	0.200

Sample: 54565 - SWMW

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	15909	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14022	Sample Preparation:	2005-02-14	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**5575**	mg/L	5	10.00

Sample: 54566 - MW-4

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16016	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14130	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**136**	mg/L as CaCo3	1	4.00
Total Alkalinity		**136**	mg/L as CaCo3	1	4.00

Sample: 54566 - MW-4

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15993	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**1060**	mg/L	100	0.500
Dissolved Potassium		**156**	mg/L	10	0.500
Dissolved Magnesium		**289**	mg/L	10	0.500
Dissolved Sodium		**983**	mg/L	10	0.500

Sample: 54566 - MW-4

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16628	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	14669	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**4520**	mg/L	500	0.500
Fluoride		<1.00	mg/L	5	0.200
Sulfate		**127**	mg/L	5	0.500

Sample: 54566 - MW-4

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16628	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	14669	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**5.19**	mg/L	5	0.200

Sample: 54566 - MW-4

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	15909	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14022	Sample Preparation:	2005-02-14	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**9030**	mg/L	10	10.00

Sample: 54567 - W-MW

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16016	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14130	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**186**	mg/L as CaCo3	1	4.00
Total Alkalinity		**186**	mg/L as CaCo3	1	4.00

Sample: 54567 - W-MW

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15993	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**75.9**	mg/L	1	0.500
Dissolved Potassium		**43.9**	mg/L	1	0.500
Dissolved Magnesium		**21.4**	mg/L	1	0.500
Dissolved Sodium		**241**	mg/L	10	0.500

Sample: 54567 - W-MW

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	15939 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14057	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**417**	mg/L	50	0.500
Fluoride		**2.44**	mg/L	5	0.200
Sulfate		**117**	mg/L	5	0.500

Sample: 54567 - W-MW

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	15939 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14057	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**4.47**		mg/L	5	0.200

Sample: 54567 - W-MW

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	15909	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14022	Sample Preparation:	2005-02-14	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**1128**		mg/L	2	10.00

Sample: 54568 - MW-5

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16016	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14130	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**288**		mg/L as CaCo3	1	4.00
Total Alkalinity		**288**		mg/L as CaCo3	1	4.00

Sample: 54568 - MW-5

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15993	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**46.2**		mg/L	1	0.500
Dissolved Potassium		**30.6**		mg/L	1	0.500
Dissolved Magnesium		**13.3**		mg/L	1	0.500
Dissolved Sodium		**433**		mg/L	10	0.500

Sample: 54568 - MW-5

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16628	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	14669	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**408**	mg/L	10	0.500
Fluoride		**2.58**	mg/L	10	0.200
Sulfate		**243**	mg/L	10	0.500

Sample: 54568 - MW-5

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16628	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	14669	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**8.36**	mg/L	10	0.200

Sample: 54568 - MW-5

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	15909	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14022	Sample Preparation:	2005-02-14	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**1598**	mg/L	2	10.00

Sample: 54569 - MW-3

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16016	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14130	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**292**	mg/L as CaCo3	1	4.00
Total Alkalinity		**292**	mg/L as CaCo3	1	4.00

Sample: 54569 - MW-3

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15994	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Calcium		**47.0**	mg/L	1	0.500
Dissolved Potassium		**19.1**	mg/L	1	0.500
Dissolved Magnesium		**14.5**	mg/L	1	0.500
Dissolved Sodium		**590**	mg/L	10	0.500

Sample: 54569 - MW-3

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	15939 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14057	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**879**	mg/L	100	0.500
Fluoride		**4.61**	mg/L	10	0.200
Sulfate		**196**	mg/L	10	0.500

Sample: 54569 - MW-3

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	15939 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14057	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate-N		**9.47**	mg/L	10	0.200

Sample: 54569 - MW-3

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	15909	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14022	Sample Preparation:	2005-02-14	Prepared By:	RS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**2240**	mg/L	5	10.00

Sample: 54570 - MW-6

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16016	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14130	Sample Preparation:	2005-02-19	Prepared By:	RS

Sample: 54570 - MW-6

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	15909	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14022	Sample Preparation:	2005-02-14	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**1774**		mg/L	2	10.00

Sample: 54571 - MW-7

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16016	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14130	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**238**		mg/L as CaCo3	1	4.00
Total Alkalinity		**238**		mg/L as CaCo3	1	4.00

Sample: 54571 - MW-7

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15994	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**31.5**		mg/L	1	0.500
Dissolved Potassium		**7.75**		mg/L	1	0.500
Dissolved Magnesium		**9.99**		mg/L	1	0.500
Dissolved Sodium		**296**		mg/L	10	0.500

Sample: 54571 - MW-7

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	15939 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14057	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**332**		mg/L	50	0.500
Fluoride		**3.76**		mg/L	5	0.200
Sulfate		**123**		mg/L	5	0.500

Sample: 54571 - MW-7

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	15939 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14057	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**4.65**	mg/L	5	0.200

Sample: 54571 - MW-7

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	15909	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14022	Sample Preparation:	2005-02-14	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**1128**	mg/L	2	10.00

Sample: 54572 - MW-2

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16016	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14130	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**220**	mg/L as CaCo3	1	4.00
Total Alkalinity		**220**	mg/L as CaCo3	1	4.00

Sample: 54572 - MW-2

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15994	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**103**	mg/L	10	0.500
Dissolved Potassium		**11.3**	mg/L	1	0.500
Dissolved Magnesium		**34.5**	mg/L	1	0.500
Dissolved Sodium		**324**	mg/L	10	0.500

Sample: 54572 - MW-2

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16068 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14058	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**604**		mg/L	50	0.500
Fluoride		**2.79**		mg/L	5	0.200
Sulfate		**130**		mg/L	5	0.500

Sample; 54572 - MW-2

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16068 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14058	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**5.48**		mg/L	5	0.200

Sample: 54572 - MW-2

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	15909	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14022	Sample Preparation:	2005-02-14	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**1462**		mg/L	2	10.00

Sample: 54573 - MW-1

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16016	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14130	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**146**		mg/L as CaCo3	1	4.00
Total Alkalinity		**146**		mg/L as CaCo3	1	4.00

Sample: 54573 - MW-1

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15994	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**97.9**		mg/L	1	0.500
Dissolved Potassium		**8.18**		mg/L	1	0.500
Dissolved Magnesium		**33.5**		mg/L	1	0.500
Dissolved Sodium		**108**		mg/L	10	0.500

Sample: 54573 - MW-1

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16068 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14058	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**289**		mg/L	10	0.500
Fluoride		**2.68**		mg/L	5	0.200
Sulfate		**79.2**		mg/L	5	0.500

Sample: 54573 - MW-1

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16068 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14058	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**4.30**		mg/L	5	0.200

Sample: 54573 - MW-1

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	16049	Date Analyzed:	2005-02-21	Analyzed By:	RS
Prep Batch:	14165	Sample Preparation:	2005-02-18	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**840.0**		mg/L	2	10.00

Sample: 54574 - MW-9

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	16049	Date Analyzed:	2005-02-21	Analyzed By:	RS
Prep Batch:	14165	Sample Preparation:	2005-02-18	Prepared By:	RS

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**3920**	mg/L	5	10.00

Sample: 54575 - MW-13

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16017	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14131	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	Result	RL Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**100**	mg/L as CaCo3	1	4.00
Total Alkalinity		**100**	mg/L as CaCo3	1	4.00

Sample: 54575 - MW-13

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15994	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Calcium		**171**	mg/L	10	0.500
Dissolved Potassium		**13.3**	mg/L	1	0.500
Dissolved Magnesium		**61.7**	mg/L	1	0.500
Dissolved Sodium		**92.3**	mg/L	1	0.500

Sample: 54575 - MW-13

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16628	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	14669	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**491**	mg/L	50	0.500
Fluoride		**2.19**	mg/L	5	0.200
Sulfate		**117**	mg/L	5	0.500

Sample: 54575 - MW-13

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16628	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	14669	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**5.36**		mg/L	5	0.200

Sample: 54575 - MW-13

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	16049	Date Analyzed:	2005-02-21	Analyzed By:	RS
Prep Batch:	14165	Sample Preparation:	2005-02-18	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**1260**		mg/L	2	10.00

Sample: 54576 - MW-17

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16017	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14131	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**174**		mg/L as CaCo3	1	4.00
Total Alkalinity		**174**		mg/L as CaCo3	1	4.00

Sample: 54576 - MW-17

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15994	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**134**		mg/L	10	0.500
Dissolved Potassium		**11.0**		mg/L	1	0.500
Dissolved Magnesium		**45.9**		mg/L	1	0.500
Dissolved Sodium		**229**		mg/L	10	0.500

Sample: 54576 - MW-17

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16068 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14058	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**572**		mg/L	50	0.500
Fluoride		**2.94**		mg/L	5	0.200
Sulfate		**101**		mg/L	5	0.500

Sample: 54576 - MW-17

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16068 [a]	Date Analyzed:	2005-02-15	Analyzed By:	WB
Prep Batch:	14058	Sample Preparation:	2005-02-15	Prepared By:	WB

[a]Recieved out of holding time for nitrate.

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**4.61**		mg/L	5	0.200

Sample: 54576 - MW-17

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	16049	Date Analyzed:	2005-02-21	Analyzed By:	RS
Prep Batch:	14165	Sample Preparation:	2005-02-18	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**1470**		mg/L	2	10.00

Sample: 54577 - MW-14

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16017	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14131	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**80.0**		mg/L as CaCo3	1	4.00

Sample: 54577 - MW-14

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15994	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**1180**		mg/L	100	0.500
Dissolved Potassium		**56.8**		mg/L	1	0.500
Dissolved Magnesium		**370**		mg/L	10	0.500
Dissolved Sodium		**1250**		mg/L	100	0.500

Sample: 54577 - MW-14

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16775	Date Analyzed:	2005-03-16	Analyzed By:	WB
Prep Batch:	14784	Sample Preparation:	2005-03-16	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**6120**		mg/L	1000	0.500
Fluoride		**3.50**		mg/L	10	0.200
Sulfate		**752**		mg/L	100	0.500

Sample: 54577 - MW-14

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16775	Date Analyzed:	2005-03-16	Analyzed By:	WB
Prep Batch:	14784	Sample Preparation:	2005-03-16	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**5.99**		mg/L	10	0.200

Sample: 54577 - MW-14

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	16854	Date Analyzed:	2005-03-23	Analyzed By:	WB
Prep Batch:	14848	Sample Preparation:	2005-03-22	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**8860**		mg/L	10	10.00

Sample: 54578 - MW-8

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16017	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14131	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**238**	mg/L as CaCo3	1	4.00
Total Alkalinity		**238**	mg/L as CaCo3	1	4.00

Sample: 54578 - MW-8

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	15994	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14081	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**58.3**	mg/L	1	0.500
Dissolved Potassium		**13.2**	mg/L	1	0.500
Dissolved Magnesium		**19.0**	mg/L	1	0.500
Dissolved Sodium		**543**	mg/L	10	0.500

Sample: 54578 - MW-8

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16775	Date Analyzed:	2005-03-16	Analyzed By:	WB
Prep Batch:	14784	Sample Preparation:	2005-03-16	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**818**	mg/L	100	0.500
Fluoride		**4.28**	mg/L	10	0.200
Sulfate		**167**	mg/L	10	0.500

Sample: 54578 - MW-8

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	16775	Date Analyzed:	2005-03-16	Analyzed By:	WB
Prep Batch:	14784	Sample Preparation:	2005-03-16	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**8.46**	mg/L	10	0.200

Sample: 54578 - MW-8

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	16049	Date Analyzed:	2005-02-21	Analyzed By:	RS
Prep Batch:	14165	Sample Preparation:	2005-02-18	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**2080**	mg/L	5	10.00

Sample: 54579 - MW-16

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16017	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14131	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**180**	mg/L as CaCo3	1	4.00
Total Alkalinity		**180**	mg/L as CaCo3	1	4.00

Sample: 54579 - MW-16

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	16036	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14082	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**198**	mg/L	10	0.500
Dissolved Potassium		**10.9**	mg/L	10	0.500
Dissolved Magnesium		**62.4**	mg/L	1	0.500
Dissolved Sodium		**344**	mg/L	10	0.500

Sample: 54579 - MW-16

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	17130	Date Analyzed:	2005-03-16	Analyzed By:	WB
Prep Batch:	15104	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**944**	mg/L	100	0.500
Fluoride		**2.40**	mg/L	10	0.200
Sulfate		**151**	mg/L	10	0.500

Sample: 54579 - MW-16

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	17130	Date Analyzed:	2005-03-16	Analyzed By:	WB
Prep Batch:	15104	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**7.24**	mg/L	10	0.200

Sample: 54579 - MW-16

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	16049	Date Analyzed:	2005-02-21	Analyzed By:	RS
Prep Batch:	14165	Sample Preparation:	2005-02-18	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**2260**	mg/L	5	10.00

Sample: 54580 - DUP-1

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16017	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14131	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**268**	mg/L as CaCo3	1	4.00
Total Alkalinity		**268**	mg/L as CaCo3	1	4.00

Sample: 54580 - DUP-1

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	16036	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14082	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**159**	mg/L	10	0.500
Dissolved Potassium		**81.0**	mg/L	1	0.500
Dissolved Magnesium		**46.4**	mg/L	1	0.500
Dissolved Sodium		**813**	mg/L	10	0.500

Sample: 54580 - DUP-1

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	17129	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	15103	Sample Preparation:	2005-03-11	Prepared By:	WB

continued . . .

sample 54580 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1690**	mg/L	100	0.500
Fluoride		**2.00**	mg/L	10	0.200
Sulfate		**224**	mg/L	10	0.500

Sample: 54580 - DUP-1

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	17129	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	15103	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**8.59**	mg/L	10	0.200

Sample: 54580 - DUP-1

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	16050	Date Analyzed:	2005-02-21	Analyzed By:	RS
Prep Batch:	14166	Sample Preparation:	2005-02-18	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**3170**	mg/L	5	10.00

Sample: 54581 - MW-12

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16017	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14131	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**82.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**82.0**	mg/L as CaCo3	1	4.00

Sample: 54581 - MW-12

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	16036	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14082	Sample Preparation:	2005-02-17	Prepared By:	RR

sample 54582 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**92.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**92.0**	mg/L as CaCo3	1	4.00

Sample: 54582 - MW-19

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	16036	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14082	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**1340**	mg/L	10	0.500
Dissolved Potassium		**61.3**	mg/L	1	0.500
Dissolved Magnesium		**522**	mg/L	10	0.500
Dissolved Sodium		**974**	mg/L	10	0.500

Sample: 54582 - MW-19

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	17129	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	15103	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**5200**	mg/L	500	0.500
Fluoride		**1.30**	mg/L	5	0.200
Sulfate		**502**	mg/L	50	0.500

Sample: 54582 - MW-19

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	17129	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	15103	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**5.12**	mg/L	5	0.200

Sample: 54582 - MW-19

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	16049	Date Analyzed:	2005-02-21	Analyzed By:	RS
Prep Batch:	14165	Sample Preparation:	2005-02-18	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**22000**	mg/L	50	10.00

Sample: 54583 - MW-20

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	16017	Date Analyzed:	2005-02-19	Analyzed By:	RS
Prep Batch:	14131	Sample Preparation:	2005-02-19	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**88.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**88.0**	mg/L as CaCo3	1	4.00

Sample: 54583 - MW-20

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	16036	Date Analyzed:	2005-02-18	Analyzed By:	TP
Prep Batch:	14082	Sample Preparation:	2005-02-17	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**227**	mg/L	10	0.500
Dissolved Potassium		**15.0**	mg/L	1	0.500
Dissolved Magnesium		**77.5**	mg/L	1	0.500
Dissolved Sodium		**117**	mg/L	10	0.500

Sample: 54583 - MW-20

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	17129	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	15103	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**745**	mg/L	50	0.500
Fluoride		**1.86**	mg/L	5	0.200
Sulfate		**73.8**	mg/L	5	0.500

Sample: 54583 - MW-20

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	17129	Date Analyzed:	2005-03-11	Analyzed By:	WB
Prep Batch:	15103	Sample Preparation:	2005-03-11	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**4.34**	mg/L	5	0.200

Sample: 54583 - MW-20

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	16049	Date Analyzed:	2005-02-21	Analyzed By:	RS
Prep Batch:	14165	Sample Preparation:	2005-02-18	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**1480**	mg/L	2	10.00

Method Blank (1) QC Batch: 15909

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.000	mg/L	10

Method Blank (1) QC Batch: 15938

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0217	mg/L	0.2

Method Blank (1) QC Batch: 15938

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.337	mg/L	0.5
Fluoride		<0.0594	mg/L	0.2
Sulfate		<0.409	mg/L	0.5

Method Blank (1) QC Batch: 15939

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0217	mg/L	0.2

Method Blank (1) QC Batch: 15939

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.337	mg/L	0.5
Fluoride		<0.0594	mg/L	0.2
Sulfate		<0.409	mg/L	0.5

Method Blank (1) QC Batch: 15978

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<4.00	mg/L as CaCo3	4

Method Blank (1) QC Batch: 15993

Parameter	Flag	MDL Result	Units	RL
Dissolved Calcium		<0.102	mg/L	0.5
Dissolved Potassium		<0.0454	mg/L	0.5
Dissolved Magnesium		<0.110	mg/L	0.5
Dissolved Sodium		<0.0114	mg/L	0.5

Method Blank (1) QC Batch: 15994

Parameter	Flag	MDL Result	Units	RL
Dissolved Calcium		<0.102	mg/L	0.5
Dissolved Potassium		<0.0454	mg/L	0.5
Dissolved Magnesium		<0.110	mg/L	0.5
Dissolved Sodium		<0.0114	mg/L	0.5

Method Blank (1) QC Batch: 16016

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<4.00	mg/L as CaCo3	4

Method Blank (1) QC Batch: 16017

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<4.00	mg/L as CaCo3	4

Method Blank (1) QC Batch: 16036

Parameter	Flag	MDL Result	Units	RL
Dissolved Calcium		<0.102	mg/L	0.5
Dissolved Potassium		<0.0454	mg/L	0.5
Dissolved Magnesium		<0.110	mg/L	0.5
Dissolved Sodium		<0.0114	mg/L	0.5

Method Blank (1) QC Batch: 16049

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.000	mg/L	10

Method Blank (1) QC Batch: 16050

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.000	mg/L	10

Method Blank (1) QC Batch: 16068

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0217	mg/L	0.2

Method Blank (1) QC Batch: 16068

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.337	mg/L	0.5

continued . . .

method blank continued . . .

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0594	mg/L	0.2
Sulfate		<0.409	mg/L	0.5

Method Blank (1) QC Batch: 16628

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0217	mg/L	0.2

Method Blank (1) QC Batch: 16628

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.337	mg/L	0.5
Fluoride		<0.0594	mg/L	0.2
Sulfate		<0.409	mg/L	0.5

Method Blank (1) QC Batch: 16775

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0217	mg/L	0.2

Method Blank (1) QC Batch: 16775

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.337	mg/L	0.5
Fluoride		<0.0594	mg/L	0.2
Sulfate		<0.409	mg/L	0.5

Method Blank (1) QC Batch: 16854

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.000	mg/L	10

Method Blank (1) QC Batch: 17129

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0217	mg/L	0.2

Method Blank (1) QC Batch: 17129

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.337	mg/L	0.5
Fluoride		<0.0594	mg/L	0.2
Sulfate		<0.409	mg/L	0.5

Method Blank (1) QC Batch: 17130

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.0217	mg/L	0.2

Method Blank (1) QC Batch: 17130

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.337	mg/L	0.5
Fluoride		<0.0594	mg/L	0.2
Sulfate		<0.409	mg/L	0.5

Duplicate (1) QC Batch: 15909

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	1102	1128	mg/L	2	2	14.9

Duplicate (1) QC Batch: 15978

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Bicarbonate Alkalinity	116	112	mg/L as CaCo3	1	4	20

continued ...

duplicate continued . . .

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Alkalinity	116	112	mg/L as CaCo3	1	4	4.6

Duplicate (1) QC Batch: 16016

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Bicarbonate Alkalinity	214	220	mg/L as CaCo3	1	3	20
Total Alkalinity	214	220	mg/L as CaCo3	1	3	4.6

Duplicate (1) QC Batch: 16017

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Bicarbonate Alkalinity	90.0	88.0	mg/L as CaCo3	1	2	20
Total Alkalinity	90.0	88.0	mg/L as CaCo3	1	2	4.6

Duplicate (1) QC Batch: 16049

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	1850	2080	mg/L	5	12	14.9

Duplicate (1) QC Batch: 16050

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	3500	3170	mg/L	5	10	14.9

Duplicate (1) QC Batch: 16854

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	928.0	946.0	mg/L	1	2	14.9

Laboratory Control Spike (LCS-1) QC Batch: 15938

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.52	2.55	mg/L	1	2.50	<0.0217	101	1	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 15938

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	13.2	13.4	mg/L	1	12.5	<0.337	106	2	90 - 110	20
Fluoride	2.64	2.74	mg/L	1	2.50	<0.0594	106	4	90 - 110	20
Sulfate	12.8	12.8	mg/L	1	12.5	<0.409	102	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 15939

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.51	2.51	mg/L	1	2.50	<0.0217	100	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 15939

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	13.2	13.0	mg/L	1	12.5	<0.337	106	2	90 - 110	20
Fluoride	2.63	2.61	mg/L	1	2.50	<0.0594	105	1	90 - 110	20
Sulfate	12.8	12.8	mg/L	1	12.5	<0.409	102	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 15993

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Calcium	49.0	50.1	mg/L	1	50.0	<0.102	98	2	85 - 115	20
Dissolved Potassium	50.9	52.4	mg/L	1	50.0	<0.0454	102	3	85 - 115	20
Dissolved Magnesium	47.8	49.9	mg/L	1	50.0	<0.110	96	4	85 - 115	20
Dissolved Sodium	51.4	53.0	mg/L	1	50.0	<0.0114	103	3	85 - 115	20

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

Laboratory Control Spike (LCS-1) QC Batch: 15994

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Calcium	49.0	50.1	mg/L	1	50.0	<0.102	98	2	85 - 115	20

continued ...

control spikes continued ...

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Potassium	50.9	52.4	mg/L	1	50.0	<0.0454	102	3	85 - 115	20
Dissolved Magnesium	47.8	49.9	mg/L	1	50.0	<0.110	96	4	85 - 115	20
Dissolved Sodium	51.4	53.0	mg/L	1	50.0	<0.0114	103	3	85 - 115	20

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

Laboratory Control Spike (LCS-1) QC Batch: 16036

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Calcium	48.7	47.2	mg/L	1	50.0	<0.102	97	3	85 - 115	20
Dissolved Potassium	51.2	49.2	mg/L	1	50.0	<0.0454	102	4	85 - 115	20
Dissolved Magnesium	48.3	47.4	mg/L	1	50.0	<0.110	97	2	85 - 115	20
Dissolved Sodium	50.2	48.5	mg/L	1	50.0	<0.0114	100	3	85 - 115	20

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

Laboratory Control Spike (LCS-1) QC Batch: 16068

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.52	2.53	mg/L	1	2.50	<0.0217	101	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 16068

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	13.2	13.4	mg/L	1	12.5	<0.337	106	2	90 - 110	20
Fluoride	2.62	2.74	mg/L	1	2.50	<0.0594	105	4	90 - 110	20
Sulfate	12.8	12.8	mg/L	1	12.5	<0.409	102	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 16628

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.36	2.37	mg/L	1	2.50	<0.0217	94	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 16628

continued ...

control spikes continued ...

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.6	11.6	mg/L	1	12.5	<0.337	93	0	90 - 110	20
Fluoride	2.36	2.37	mg/L	1	2.50	<0.0594	94	0	90 - 110	20
Sulfate	12.7	12.5	mg/L	1	12.5	<0.409	101	1	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 16775

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.38	2.41	mg/L	1	2.50	<0.0217	95	1	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 16775

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.8	11.8	mg/L	1	12.5	<0.337	94	0	90 - 110	20
Fluoride	2.29	2.44	mg/L	1	2.50	<0.0594	92	6	90 - 110	20
Sulfate	11.9	11.9	mg/L	1	12.5	<0.409	95	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 17129

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.39	2.39	mg/L	1	2.50	<0.0217	96	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 17129

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.6	11.8	mg/L	1	12.5	<0.337	93	2	90 - 110	20
Fluoride	2.35	2.38	mg/L	1	2.50	<0.0594	94	1	90 - 110	20
Sulfate	12.8	12.9	mg/L	1	12.5	<0.409	102	1	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 17130

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.39	2.39	mg/L	1	2.50	<0.0217	96	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 17130

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.9	11.8	mg/L	1	12.5	<0.337	95	1	90 - 110	20
Fluoride	2.30	2.40	mg/L	1	2.50	<0.0594	92	4	90 - 110	20
Sulfate	11.9	11.8	mg/L	1	12.5	<0.409	95	1	90 - 110	20

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

Matrix Spike (MS-1) QC Batch: 15938 Spiked Sample: 54566

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	1380	1390	mg/L	500	2.50	<10.8	110	1	78.8 - 116	20

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

Matrix Spike (MS-1) QC Batch: 15938 Spiked Sample: 54566

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride		11600	11700	mg/L	500	12.5	5108	104	1	70.7 - 124	20
Fluoride		1430	1430	mg/L	500	2.50	<29.7	114	0	70.9 - 126	20
Sulfate	[2]	8820	9160	mg/L	500	12.5	703	130	4	82.5 - 123	20

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

Matrix Spike (MS-1) QC Batch: 15939 Spiked Sample: 54571

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	143	143	mg/L	50	2.50	19.5	99	0	78.8 - 116	20

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

Matrix Spike (MS-1) QC Batch: 15939 Spiked Sample: 54571

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1030	1020	mg/L	50	12.5	335	111	1	70.7 - 124	20
Fluoride	155	152	mg/L	50	2.50	14.9	112	2	70.9 - 126	20

continued ...

[1]Matrix spike difficulties due to high salt concentration.
[2]Matrix spike difficulties due to high salt concentration.

matrix spikes continued ...

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Sulfate	791	788	mg/L	50	12.5	169	100	0	82.5 - 123	20

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

Matrix Spike (MS-1) QC Batch: 15993 Spiked Sample: 54591

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Calcium	135	135	mg/L	1	50.0	81.1	108	0	75 - 125	20
Dissolved Potassium	59.4	58.4	mg/L	1	50.0	3.61	112	2	75 - 125	20
Dissolved Magnesium	64.6	64.2	mg/L	1	50.0	13.7	102	1	75 - 125	20
Dissolved Sodium	86.1	85.0	mg/L	1	50.0	34.4	103	1	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 15994 Spiked Sample:

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Calcium	98.8	98.0	mg/L	1	50.0	47	104	1	75 - 125	20
Dissolved Potassium	75.5	74.3	mg/L	1	50.0	19.1	113	2	75 - 125	20
Dissolved Magnesium	64.8	64.0	mg/L	1	50.0	14.5	101	1	75 - 125	20
Dissolved Sodium	639	631	mg/L	1	50.0	590	98	1	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 16036 Spiked Sample: 54579

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Calcium		238	236	mg/L	1	50.0	198	80	1	75 - 125	20
Dissolved Potassium		60.2	61.4	mg/L	1	50.0	10.9	99	2	75 - 125	20
Dissolved Magnesium		111	111	mg/L	1	50.0	62.4	97	0	75 - 125	20
Dissolved Sodium	[3,4]	376	381	mg/L	1	50.0	344	64	1	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 16068 Spiked Sample: 54576

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	145	140	mg/L	50	2.50	19.5	100	4	78.8 - 116	20

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

Matrix Spike (MS-1) QC Batch: 16068 Spiked Sample: 54576

[3]No matrix spike recovery due to matrix effect, LCS/LCSD shows process under control.
[4]No matrix spike recovery due to matrix effect, LCS/LCSD shows process under control.

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1270	1220	mg/L	50	12.5	572	112	4	70.7 - 124	20
Fluoride	136	137	mg/L	50	2.50	14.1	98	1	70.9 - 126	20
Sulfate	781	777	mg/L	50	12.5	149	101	0	82.5 - 123	20

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

Matrix Spike (MS-1) QC Batch: 16628 Spiked Sample: 54568

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	266	264	mg/L	100	2.50	34	93	1	78.8 - 116	20

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

Matrix Spike (MS-1) QC Batch: 16628 Spiked Sample: 54568

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1720	1720	mg/L	100	12.5	581	91	0	70.7 - 124	20
Fluoride	247	250	mg/L	100	2.50	<5.94	99	1	70.9 - 126	20
Sulfate	1560	1560	mg/L	100	12.5	316	100	0	82.5 - 123	20

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

Matrix Spike (MS-1) QC Batch: 16775 Spiked Sample: 57518

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	15.1	15.1	mg/L	5	2.50	3.06	96	0	78.8 - 116	20

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

Matrix Spike (MS-1) QC Batch: 16775 Spiked Sample: 57518

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	86.4	85.2	mg/L	5	12.5	22.4	102	1	70.7 - 124	20
Fluoride	12.6	12.4	mg/L	5	2.50	1.97	85	2	70.9 - 126	20
Sulfate [5,6]	113	108	mg/L	5	12.5	30.5	132	4	82.5 - 123	20

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

Matrix Spike (MS-1) QC Batch: 17129 Spiked Sample: 54583

[5]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[6]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	1330	1330	mg/L	500	2.50	<10.8	106	0	78.8 - 116	20

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

Matrix Spike (MS-1) QC Batch: 17129 Spiked Sample: 54583

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	8990	8970	mg/L	500	12.5	2916	97	0	70.7 - 124	20
Fluoride	1260	1250	mg/L	500	2.50	<29.7	101	1	70.9 - 126	20
Sulfate	7370	7370	mg/L	500	12.5	615	108	0	82.5 - 123	20

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

Matrix Spike (MS-1) QC Batch: 17130 Spiked Sample: 54579

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	265	264	mg/L	100	2.50	29.7	94	0	78.8 - 116	20

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

Matrix Spike (MS-1) QC Batch: 17130 Spiked Sample: 54579

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	2120	2120	mg/L	100	12.5	944	94	0	70.7 - 124	20
Fluoride	237	245	mg/L	100	2.50	16.3	88	3	70.9 - 126	20
Sulfate	1430	1430	mg/L	100	12.5	262	93	0	82.5 - 123	20

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

Standard (ICV-1) QC Batch: 15909

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	998.0	100	90 - 110	2005-02-15

Standard (CCV-1) QC Batch: 15909

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	992.0	99	90 - 110	2005-02-15

Standard (ICV-1) QC Batch: 15938

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.48	99	90 - 110	2005-02-15

Standard (ICV-1) QC Batch: 15938

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.0	104	90 - 110	2005-02-15
Fluoride		mg/L	2.50	2.66	106	90 - 110	2005-02-15
Sulfate		mg/L	12.5	12.8	102	90 - 110	2005-02-15

Standard (CCV-1) QC Batch: 15938

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.54	102	90 - 110	2005-02-15

Standard (CCV-1) QC Batch: 15938

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.3	106	90 - 110	2005-02-15
Fluoride		mg/L	2.50	2.66	106	90 - 110	2005-02-15
Sulfate		mg/L	12.5	12.8	102	90 - 110	2005-02-15

Standard (ICV-1) QC Batch: 15939

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.54	102	90 - 110	2005-02-15

Standard (ICV-1) QC Batch: 15939

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.3	106	90 - 110	2005-02-15
Fluoride		mg/L	2.50	2.66	106	90 - 110	2005-02-15
Sulfate		mg/L	12.5	12.8	102	90 - 110	2005-02-15

Standard (CCV-1) QC Batch: 15939

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.56	102	90 - 110	2005-02-15

Standard (CCV-1) QC Batch: 15939

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.4	107	90 - 110	2005-02-15
Fluoride		mg/L	2.50	2.74	110	90 - 110	2005-02-15
Sulfate		mg/L	12.5	12.8	102	90 - 110	2005-02-15

Standard (ICV-1) QC Batch: 15978

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	242	97	90 - 110	2005-02-17

Standard (CCV-1) QC Batch: 15978

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	246	98	90 - 110	2005-02-17

Standard (ICV-1) QC Batch: 15993

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	49.7	99	90 - 110	2005-02-18
Dissolved Potassium		mg/L	50.0	50.2	100	90 - 110	2005-02-18
Dissolved Magnesium		mg/L	50.0	49.7	99	90 - 110	2005-02-18
Dissolved Sodium		mg/L	50.0	50.6	101	90 - 110	2005-02-18

Standard (CCV-1) QC Batch: 15993

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	50.4	101	90 - 110	2005-02-18
Dissolved Potassium		mg/L	50.0	49.6	99	90 - 110	2005-02-18
Dissolved Magnesium		mg/L	50.0	49.6	99	90 - 110	2005-02-18
Dissolved Sodium		mg/L	50.0	50.6	101	90 - 110	2005-02-18

Standard (ICV-1) QC Batch: 15994

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	49.7	99	90 - 110	2005-02-18
Dissolved Potassium		mg/L	50.0	50.2	100	90 - 110	2005-02-18
Dissolved Magnesium		mg/L	50.0	49.7	99	90 - 110	2005-02-18
Dissolved Sodium		mg/L	50.0	50.6	101	90 - 110	2005-02-18

Standard (CCV-1) QC Batch: 15994

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	49.3	99	90 - 110	2005-02-18
Dissolved Potassium		mg/L	50.0	50.7	101	90 - 110	2005-02-18
Dissolved Magnesium		mg/L	50.0	48.3	97	90 - 110	2005-02-18
Dissolved Sodium		mg/L	50.0	50.6	101	90 - 110	2005-02-18

Standard (ICV-1) QC Batch: 16016

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	240	96	90 - 110	2005-02-19

Standard (CCV-1) QC Batch: 16016

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	244	98	90 - 110	2005-02-19

Standard (ICV-1) QC Batch: 16017

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	244	98	90 - 110	2005-02-19

Standard (CCV-1) QC Batch: 16017

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	242	97	90 - 110	2005-02-19

Standard (ICV-1) QC Batch: 16036

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	49.7	99	90 - 110	2005-02-18
Dissolved Potassium		mg/L	50.0	50.2	100	90 - 110	2005-02-18
Dissolved Magnesium		mg/L	50.0	49.7	99	90 - 110	2005-02-18
Dissolved Sodium		mg/L	50.0	50.6	101	90 - 110	2005-02-18

Standard (CCV-1) QC Batch: 15994

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	49.3	99	90 - 110	2005-02-18
Dissolved Potassium		mg/L	50.0	50.7	101	90 - 110	2005-02-18
Dissolved Magnesium		mg/L	50.0	48.3	97	90 - 110	2005-02-18
Dissolved Sodium		mg/L	50.0	50.6	101	90 - 110	2005-02-18

Standard (ICV-1) QC Batch: 16016

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	240	96	90 - 110	2005-02-19

Standard (CCV-1) QC Batch: 16016

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	244	98	90 - 110	2005-02-19

Standard (ICV-1) QC Batch: 16017

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	244	98	90 - 110	2005-02-19

Standard (CCV-1) QC Batch: 16017

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	242	97	90 - 110	2005-02-19

Standard (ICV-1) QC Batch: 16036

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	48.7	97	90 - 110	2005-02-18
Dissolved Potassium		mg/L	50.0	50.3	101	90 - 110	2005-02-18
Dissolved Magnesium		mg/L	50.0	49.4	99	90 - 110	2005-02-18
Dissolved Sodium		mg/L	50.0	50.0	100	90 - 110	2005-02-18

Standard (CCV-1) QC Batch: 16036

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	47.0	94	90 - 110	2005-02-18
Dissolved Potassium		mg/L	50.0	49.0	98	90 - 110	2005-02-18
Dissolved Magnesium		mg/L	50.0	47.2	94	90 - 110	2005-02-18
Dissolved Sodium		mg/L	50.0	48.2	96	90 - 110	2005-02-18

Standard (ICV-1) QC Batch: 16049

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	986.0	99	90 - 110	2005-02-21

Standard (CCV-1) QC Batch: 16049

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1022	102	90 - 110	2005-02-21

Standard (ICV-1) QC Batch: 16050

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1022	102	90 - 110	2005-02-21

Standard (CCV-1) QC Batch: 16050

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	982.0	98	90 - 110	2005-02-21

Standard (ICV-1) QC Batch: 16068

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.56	102	90 - 110	2005-02-15

Standard (ICV-1) QC Batch: 16068

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.3	106	90 - 110	2005-02-15
Fluoride		mg/L	2.50	2.74	110	90 - 110	2005-02-15
Sulfate		mg/L	12.5	12.8	102	90 - 110	2005-02-15

Standard (CCV-1) QC Batch: 16068

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.53	101	90 - 110	2005-02-15

Standard (CCV-1) QC Batch: 16068

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.3	106	90 - 110	2005-02-15
Fluoride		mg/L	2.50	2.67	107	90 - 110	2005-02-15
Sulfate		mg/L	12.5	12.9	103	90 - 110	2005-02-15

Standard (ICV-1) QC Batch: 16628

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.37	95	90 - 110	2005-03-11

Standard (ICV-1) QC Batch: 16628

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.5	92	90 - 110	2005-03-11
Fluoride		mg/L	2.50	2.31	92	90 - 110	2005-03-11
Sulfate		mg/L	12.5	<0.409	0	90 - 110	2005-03-11

Standard (CCV-1) QC Batch: 16628

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.37	95	90 - 110	2005-03-11

Standard (CCV-1) QC Batch: 16628

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.5	92	90 - 110	2005-03-11
Fluoride		mg/L	2.50	2.31	92	90 - 110	2005-03-11
Sulfate		mg/L	12.5	12.7	102	90 - 110	2005-03-11

Standard (ICV-1) QC Batch: 16775

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.41	96	90 - 110	2005-03-16

Standard (ICV-1) QC Batch: 16775

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2005-03-16
Fluoride		mg/L	2.50	2.31	92	90 - 110	2005-03-16
Sulfate		mg/L	12.5	11.8	94	90 - 110	2005-03-16

Standard (CCV-1) QC Batch: 16775

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.41	96	90 - 110	2005-03-16

Standard (CCV-1) QC Batch: 16775

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2005-03-16
Fluoride		mg/L	2.50	2.31	92	90 - 110	2005-03-16
Sulfate		mg/L	12.5	11.8	94	90 - 110	2005-03-16

Standard (ICV-1) QC Batch: 16854

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	935.0	94	90 - 110	2005-03-23

Standard (CCV-1) QC Batch: 16854

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1035	104	90 - 110	2005-03-23

Standard (ICV-1) QC Batch: 17129

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.40	96	90 - 110	2005-03-11

Standard (ICV-1) QC Batch: 17129

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2005-03-11
Fluoride		mg/L	2.50	2.34	94	90 - 110	2005-03-11
Sulfate		mg/L	12.5	12.8	102	90 - 110	2005-03-11

Standard (CCV-1) QC Batch: 17129

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.38	95	90 - 110	2005-03-11

Standard (CCV-1) QC Batch: 17129

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.6	93	90 - 110	2005-03-11
Fluoride		mg/L	2.50	2.35	94	90 - 110	2005-03-11
Sulfate		mg/L	12.5	12.8	102	90 - 110	2005-03-11

Standard (ICV-1) QC Batch: 17130

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.41	96	90 - 110	2005-03-16

Standard (ICV-1) QC Batch: 17130

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2005-03-16
Fluoride		mg/L	2.50	2.31	92	90 - 110	2005-03-16
Sulfate		mg/L	12.5	11.8	94	90 - 110	2005-03-16

Standard (CCV-1) QC Batch: 17130

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.41	96	90 - 110	2005-03-16

Standard (CCV-1) QC Batch: 17130

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2005-03-16
Fluoride		mg/L	2.50	2.41	96	90 - 110	2005-03-16
Sulfate		mg/L	12.5	11.8	94	90 - 110	2005-03-16

Report Date: April 20, 2005
0-0112

Work Order: 5021415
G.L. Erwin

Page Number: 49 of 50

5021415

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc. — Environmental Consultants
507 N. Marienfeld, Ste. 202 • Midland, TX 79701
Fax: 432-687-0456
432-687-0901

CLIENT NAME: ChevTex
SITE MANAGER: Cindy Crain
PROJECT NO.: 0-0112
PROJECT NAME: GL Erwin
PAGE 1 OF 2
LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	CATIONS	ANIONS	TDS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
2/11/05	1050	✓			MW10 54563	1	1	1	1		
	1100				RW-1 64						
	1113				SWMW 65						
	1120				MW4 66						
	1129				W-MW 67						
	1136				MW5 68						
	1148				MW3 69						
	1159				MW6 70						
	1207				MW7 71						
	1216				MW2 72						
	1325				MW1 73						
	1334				MW9 74						
	1343				MW13 75						
	1401				MW17 76						
	1350				MW14 77						
	1408				MW8 78						
	1415				MW16 79						
					DUP1 80						

SAMPLED BY: (Signature) STEVE — DATE: 2/11/05 TIME: 1750
RELINQUISHED BY: (Signature) STEVE — DATE: 2/11/05 TIME: 1800
RECEIVED BY: (Signature) Helen Shelton — DATE: 2/11/05 TIME: 1800
RELINQUISHED BY: (Signature) Helen Shelton — DATE: 2/11/05 TIME: 1900
RECEIVED BY: (Signature) — DATE: 2-12-05 TIME: 9:45

SAMPLE SHIPPED BY: (Circle)
FEDEX (BUS) AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Tallahassee STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: 2-12-05 TIME: 9:45 am

SAMPLE CONDITION WHEN RECEIVED: 0°C

LA CONTACT PERSON:

SAMPLE TYPE:

BUS GLI · 166-130 · 573-4 MA 15 samples —HS

5021415

CHAIN—OF—CUSTODY RECORD

2 of 2

Larson & Associates, Inc. Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: CheoTex
SITE MANAGER: Cindy Crain
PROJECT NO.: 0-0112
PROJECT NAME: @ GL Erwin
PAGE 2 OF 2
LAB. PO #

PARAMETERS/METHOD NUMBER

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	CATIONS	ANIONS	TDS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
2/11/05	1421	✓			MW12 54581	1	1	1	1		
	1446				MW19 82						
	1431				MW20 83						

SAMPLED BY: (Signature) DATE: 2/11/05 TIME: 1750
RELINQUISHED BY: (Signature) DATE: 2/11/05 TIME: 1750
RECEIVED BY: (Signature) Helen Shelton DATE: 2/11/05 TIME: 1750

RELINQUISHED BY: (Signature) Helen Shelton DATE: 2/11/05 TIME: 1900
RECEIVED BY: (Signature) DATE: TIME:

SAMPLE SHIPPED BY: (Circle)
FEDEX (BUS) AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB ITO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Lubbock STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: 2.12.05 TIME: 9:45

SAMPLE CONDITION WHEN RECEIVED: 0° C

LA CONTACT PERSON:

SAMPLE TYPE:

Bus GCI - 146.130.573-4 MA 3 samples - HS

Report Date: April 20, 2005
0-0112
Work Order: 5021415
G.L. Erwin
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Cation-Anion Balance Sheet

DATE: 04/20/05

Sample #	Calcium	Magnesium	Sodium	Potassium	Alkalinity	Sulfate	Chloride	Nitrate	Fluoride	TDS	EC
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	µMHOs/cm
54563	357	115	157	14	112	93.1	1110	5.86	3.44	2295	
54564	172	51.5	910	84	262	217	1730	8.93	3.59	3995	
54565	323	94.5	1240	84.4	260	230	2920	9.61	1.33	5575	
54566	1060	289	983	156	136	127	4524	5.19	0.76	9030	
54567	75.9	21.4	241	43.9	186	117	417	4.47	2.44	1128	
54568	46.2	13.3	433	30.6	288	243	407	8.36	2.58	1598	
54569	47	14.5	590	19.1	292	196	879	9.47	4.61	2240	
54570	30.1	9.13	531	19.5	270	192	660	7.84	3.76	1774	
54571	31.5	9.99	296	7.75	238	123	332	4.65	3.76	1128	
54572	103	34.5	324	11.3	220	130	604	5.48	2.79	1462	
54573	97.9	33.5	108	8.18	146	79.2	289	4.3	2.68	840	
54574	495	164	388	21.5	98	103	1960	5.36	3.63	3920	
54575	171	61.7	92.3	13.3	100	117	491	5.36	2.19	1260	
54576	134	45.9	229	11	174	101	572	4.61	2.94	1470	
54577	1180	370	1250	56.8	80	728	8100	6.66	3.19	28100	
54578	58.3	19	543	13.2	238	168	807	9.08	5.21	2080	
54579	198	62.4	344	10.9	180	151	977	7.95	3.75	2260	
54580	159	46.4	813	81	268	224	1690	8.59	2	3170	
54581	503	176	138	17.8	82	47.7	1774	6.08	2.04	3080	
54582	1410	489	979	61.5	92	502	5200	5.12	1.3	22000	
54583	227	77.5	117	15	88	73.8	745	4.34	1.86	1480	

Sample #	Calcium in meq/L	Magnesium in meq/L	Sodium in meq/L	Potassium in meq/L	Alkalinity in meq/L	Sulfate in meq/L	Chloride in meq/L	Nitrate in meq/L	Fluoride in meq/L	**Cations in meq/L**	**Anions in meq/L**	**Percentage Error**
54563	17.61	9.48	6.83	0.36	2.24	1.94	31.31	0.42	0.18	34.47	36.09	4.61
54564	8.58	4.24	39.59	2.15	5.24	4.52	48.80	0.64	0.19	54.55	59.39	8.48
54565	16.12	7.78	53.94	2.16	5.20	4.79	82.37	0.69	0.07	79.99	93.12	15.16
54566	52.89	23.78	42.76	3.99	2.72	2.64	127.62	0.37	0.04	123.43	133.40	7.76
54567	3.79	1.76	10.48	1.12	3.72	2.44	11.76	0.32	0.13	17.15	18.37	6.83
54568	2.31	1.09	18.84	0.78	5.76	5.06	11.48	0.6	0.14	23.02	23.03	0.07
54569	2.35	1.19	25.67	0.49	5.84	4.08	24.80	0.68	0.24	29.69	35.64	18.2
54570	1.50	0.75	23.10	0.50	5.40	4.00	18.62	0.56	0.2	25.85	28.77	10.7
54571	1.57	0.82	12.88	0.20	4.76	2.56	9.37	0.33	0.2	15.47	17.22	10.7
54572	5.14	2.64	14.09	0.29	4.40	2.71	17.04	0.39	0.15	22.36	24.68	9.87
54573	4.89	2.76	4.70	0.21	2.92	1.65	8.15	0.31	0.14	12.55	13.17	4.83
54574	24.70	13.50	16.88	0.55	1.96	2.14	55.29	0.38	0.19	55.62	59.97	7.52
54575	8.53	5.08	4.02	0.34	2.00	2.44	13.85	0.38	0.12	17.97	18.78	4.46
54576	6.69	3.78	9.96	0.28	3.48	2.10	16.14	0.33	0.15	20.71	22.20	6.97
54577	58.88	30.45	54.38	1.45	1.60	15.18	228.50	0.48	0.17	145.16	245.90	51.52
54578	2.91	1.56	23.82	0.34	4.76	3.50	22.77	0.65	0.27	28.43	31.95	11.64
54579	9.88	5.13	14.96	0.28	3.60	3.14	27.56	0.57	0.2	30.28	35.07	14.73
54580	7.93	3.82	35.37	2.07	5.36	4.66	47.67	0.61	0.11	49.19	58.42	17.15
54581	25.10	14.48	6.00	0.46	1.64	0.99	50.04	0.43	0.11	46.04	53.22	14.48
54582	70.36	40.24	42.59	1.57	1.84	10.45	146.69	0.37	0.07	154.76	159.42	2.97
54583	11.33	6.38	5.09	0.38	1.76	1.54	21.02	0.31	0.1	23.18	24.72	6.44

	EC/Cation	EC/Anion					
54563	3446.53	3609.09	range	0	to	0	
54564	5455.45	5938.77	range	0	to	0	
54565	7999.31	9311.79	range	0	to	0	
54566	12342.68	13339.67	range	0	to	0	
54567	1715.49	1836.71	range	0	to	0	
54568	2301.81	2303.34	range	0	to	0	
54569	2969.21	3563.6	range	0	to	0	
54570	2585.06	2877.37	range	0	to	0	
54571	1546.82	1721.65	range	0	to	0	
54572	2236.18	2468.35	range	0	to	0	
54573	1254.92	1316.97	range	0	to	0	
54574	5562.4	5996.98	range	0	to	0	
54575	1796.55	1878.5	range	0	to	0	
54576	2070.66	2220.28	range	0	to	0	
54577	14515.72	24590.11	range	0	to	0	
54578	2843.08	3194.57	range	0	to	0	
54579	3025.79	3506.99	range	0	to	0	
54580	4918.98	5841.71	range	0	to	0	
54581	4604.11	5321.91	range	0	to	0	
54582	15475.85	15941.76	range	0	to	0	
54583	2317.8	2472.07	range	0	to	0	

TDS/EC	TDS/Cat	TDS/Anion	
Err:503	0.67	0.64	needs to be 0.55-0.77
Err:503	0.73	0.67	needs to be 0.55-0.77
Err:503	0.70	0.60	needs to be 0.55-0.77
Err:503	0.73	0.68	needs to be 0.55-0.77
Err:503	0.66	0.61	needs to be 0.55-0.77
Err:503	0.69	0.69	needs to be 0.55-0.77
Err:503	0.75	0.63	needs to be 0.55-0.77
Err:503	0.69	0.62	needs to be 0.55-0.77
Err:503	0.73	0.66	needs to be 0.55-0.77
Err:503	0.65	0.59	needs to be 0.55-0.77
Err:503	0.67	0.64	needs to be 0.55-0.77
Err:503	0.70	0.65	needs to be 0.55-0.77
Err:503	0.70	0.67	needs to be 0.55-0.77
Err:503	0.71	0.66	needs to be 0.55-0.77
Err:503	1.94	1.14	needs to be 0.55-0.77
Err:503	0.73	0.65	needs to be 0.55-0.77
Err:503	0.75	0.64	needs to be 0.55-0.77
Err:503	0.64	0.54	needs to be 0.55-0.77
Err:503	0.67	0.58	needs to be 0.55-0.77
Err:503	1.42	1.38	needs to be 0.55-0.77
Err:503	0.64	0.60	needs to be 0.55-0.77

502145

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc. Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME:	SITE MANAGER:
ChevTex	Cindy Crain
PROJECT NO.:	PROJECT NAME:
0-0112	GL Erwin

PAGE 1 OF 2 (1 of 2) LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: CATIONS	ANIONS	TDS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
2/11/05	1050	✓			MW10 54563	1	1	1	1		
	1100				RW-1 64						
	1113				SWMW 65						
	1120				MW4 66						
	1129				W-MW 67						
	1136				MW5 68						
	1148				MW3 69						
	1159				MW6 70						
	1207				MW7 71						
	1216				MW2 72						
	1325				MW1 73						
	1334				MW9 74						
	1343				MW13 75						
	1401				MW17 76						
	1350				MW14 77						
	1408				MW8 78						
	1415				MW16 79						
					DUP1 80						

SAMPLED BY: (Signature) Steve — DATE: 2/11/05 TIME: 1750

RELINQUISHED BY: (Signature) Steve — DATE: 2/11/05 TIME: 1800

RECEIVED BY: (Signature) Helen Shelton — DATE: 2/11/05 TIME: 1800

RELINQUISHED BY: (Signature) Helen Shelton — DATE: 2/11/05 TIME: 1900

RECEIVED BY: (Signature) — DATE: 2-12-05 TIME: 9:45

SAMPLE SHIPPED BY: (Circle)
FEDEX (BUS) AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: 2-12-05 TIME: 9:45 am

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

SAMPLE CONDITION WHEN RECEIVED:
D°C

LA CONTACT PERSON:

SAMPLE TYPE:

BUS GLI-166-130-573.4

MA 10 samples — HS

4/12/05

5021415

CHAIN—OF—CUSTODY RECORD

2 of 2

Larson & Associates, Inc.
Environmental Consultants
507 N. Marienfeld, Ste. 202 • Midland, TX 79701
Fax: 432-687-0456
432-687-0901

CLIENT NAME: CheoTex

SITE MANAGER: Cindy Crain

PROJECT NO.: 0-0112

PROJECT NAME: GL Erwin

PAGE 2 OF 2

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: CATIONS	ANIONS	TDS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
2/11/05	1421	✓			MW12 54581	1	1	1	1		
	1448				MW19 82						
	1431				MW20 83						

SAMPLED BY: (Signature) Steve — DATE: 2/11/05 TIME: 1750

RELINQUISHED BY: (Signature) Steve — DATE: 2/11/05 TIME: 1750

RECEIVED BY: (Signature) Helen Shelton — DATE: 2/11/05 TIME: 1750

RELINQUISHED BY: (Signature) Steve Helen Shelton — DATE: 2/11/05 TIME: 1900

RECEIVED BY: (Signature) — DATE: — TIME:

SAMPLE SHIPPED BY: (Circle)
FEDEX (BUS) AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: 2.12.05 TIME: 9:45

SAMPLE CONDITION WHEN RECEIVED:
0° C

LA CONTACT PERSON:

SAMPLE TYPE:

BUS GLI - 166.170.573-4 MA 2 samples - HS

Summary Report

Cindy Crain
Larson and Associates, Inc.
P. O. Box 50685
Midland, Tx 79710

Report Date: April 20, 2005

Work Order: 5021415

Client Name: Chev TX
Project Name: G.L. Erwin
Project Number: 0-0112

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
54563	MW-10	water	2005-02-11	10:50	2005-02-12
54564	RW-1	water	2005-02-11	11:00	2005-02-12
54565	SWMW	water	2005-02-11	11:13	2005-02-12
54566	MW-4	water	2005-02-11	11:20	2005-02-12
54567	W-MW	water	2005-02-11	11:29	2005-02-12
54568	MW-5	water	2005-02-11	11:36	2005-02-12
54569	MW-3	water	2005-02-11	11:48	2005-02-12
54570	MW-6	water	2005-02-11	11:59	2005-02-12
54571	MW-7	water	2005-02-11	12:07	2005-02-12
54572	MW-2	water	2005-02-11	12:16	2005-02-12
54573	MW-1	water	2005-02-11	13:25	2005-02-12
54574	MW-9	water	2005-02-11	13:34	2005-02-12
54575	MW-13	water	2005-02-11	13:43	2005-02-12
54576	MW-17	water	2005-02-11	14:01	2005-02-12
54577	MW-14	water	2005-02-11	13:50	2005-02-12
54578	MW-8	water	2005-02-11	14:08	2005-02-12
54579	MW-16	water	2005-02-11	14:15	2005-02-12
54580	DUP-1	water	2005-02-11	00:00	2005-02-12
54581	MW-12	water	2005-02-11	14:21	2005-02-12
54582	MW-19	water	2005-02-11	14:48	2005-02-12
54583	MW-20	water	2005-02-11	14:31	2005-02-12

Sample: 54563 - MW-10

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**112**	mg/L as CaCo3	4.00
Total Alkalinity		**112**	mg/L as CaCo3	4.00
Dissolved Calcium		**357**	mg/L	0.500
Dissolved Potassium		**14.0**	mg/L	0.500
Dissolved Magnesium		**115**	mg/L	0.500
Dissolved Sodium		**157**	mg/L	0.500

continued ...

sample 54563 continued ...

Param	Flag	Result	Units	RL
Chloride		**1110**	mg/L	0.500
Fluoride		**3.44**	mg/L	0.200
Sulfate		**93.1**	mg/L	0.500
Nitrate-N		**5.86**	mg/L	0.200
Total Dissolved Solids		**2295**	mg/L	10.00

Sample: 54564 - RW-1

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**262**	mg/L as CaCo3	4.00
Total Alkalinity		**262**	mg/L as CaCo3	4.00
Dissolved Calcium		**172**	mg/L	0.500
Dissolved Potassium		**84.0**	mg/L	0.500
Dissolved Magnesium		**51.5**	mg/L	0.500
Dissolved Sodium		**910**	mg/L	0.500
Chloride		**1730**	mg/L	0.500
Fluoride		**3.59**	mg/L	0.200
Sulfate		**217**	mg/L	0.500
Nitrate-N		**8.93**	mg/L	0.200
Total Dissolved Solids		**3995**	mg/L	10.00

Sample: 54565 - SWMW

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**260**	mg/L as CaCo3	4.00
Total Alkalinity		**260**	mg/L as CaCo3	4.00
Dissolved Calcium		**323**	mg/L	0.500
Dissolved Potassium		**84.4**	mg/L	0.500
Dissolved Magnesium		**94.5**	mg/L	0.500
Dissolved Sodium		**1240**	mg/L	0.500
Chloride		**2920**	mg/L	0.500
Fluoride		**1.33**	mg/L	0.200
Sulfate		**230**	mg/L	0.500
Nitrate-N		**9.61**	mg/L	0.200
Total Dissolved Solids		**5575**	mg/L	10.00

Sample: 54566 - MW-4

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**136**	mg/L as CaCo3	4.00
Total Alkalinity		**136**	mg/L as CaCo3	4.00
Dissolved Calcium		**1060**	mg/L	0.500

continued ...

sample 54566 continued ...

Param	Flag	Result	Units	RL
Dissolved Potassium		**156**	mg/L	0.500
Dissolved Magnesium		**289**	mg/L	0.500
Dissolved Sodium		**983**	mg/L	0.500
Chloride		**4520**	mg/L	0.500
Fluoride		<1.00	mg/L	0.200
Sulfate		**127**	mg/L	0.500
Nitrate-N		**5.19**	mg/L	0.200
Total Dissolved Solids		**9030**	mg/L	10.00

Sample: 54567 - W-MW

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**186**	mg/L as CaCo3	4.00
Total Alkalinity		**186**	mg/L as CaCo3	4.00
Dissolved Calcium		**75.9**	mg/L	0.500
Dissolved Potassium		**43.9**	mg/L	0.500
Dissolved Magnesium		**21.4**	mg/L	0.500
Dissolved Sodium		**241**	mg/L	0.500
Chloride		**417**	mg/L	0.500
Fluoride		**2.44**	mg/L	0.200
Sulfate		**117**	mg/L	0.500
Nitrate-N		**4.47**	mg/L	0.200
Total Dissolved Solids		**1128**	mg/L	10.00

Sample: 54568 - MW-5

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**288**	mg/L as CaCo3	4.00
Total Alkalinity		**288**	mg/L as CaCo3	4.00
Dissolved Calcium		**46.2**	mg/L	0.500
Dissolved Potassium		**30.6**	mg/L	0.500
Dissolved Magnesium		**13.3**	mg/L	0.500
Dissolved Sodium		**433**	mg/L	0.500
Chloride		**408**	mg/L	0.500
Fluoride		**2.58**	mg/L	0.200
Sulfate		**243**	mg/L	0.500
Nitrate-N		**8.36**	mg/L	0.200
Total Dissolved Solids		**1598**	mg/L	10.00

Sample: 54569 - MW-3

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00

continued ...

sample 54569 continued ...

Param	Flag	Result	Units	RL
Bicarbonate Alkalinity		292	mg/L as CaCo3	4.00
Total Alkalinity		292	mg/L as CaCo3	4.00
Dissolved Calcium		47.0	mg/L	0.500
Dissolved Potassium		19.1	mg/L	0.500
Dissolved Magnesium		14.5	mg/L	0.500
Dissolved Sodium		590	mg/L	0.500
Chloride		879	mg/L	0.500
Fluoride		4.61	mg/L	0.200
Sulfate		196	mg/L	0.500
Nitrate-N		9.47	mg/L	0.200
Total Dissolved Solids		2240	mg/L	10.00

Sample: 54570 - MW-6

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		270	mg/L as CaCo3	4.00
Total Alkalinity		270	mg/L as CaCo3	4.00
Dissolved Calcium		30.1	mg/L	0.500
Dissolved Potassium		19.5	mg/L	0.500
Dissolved Magnesium		9.13	mg/L	0.500
Dissolved Sodium		531	mg/L	0.500
Chloride		660	mg/L	0.500
Fluoride		3.76	mg/L	0.200
Sulfate		192	mg/L	0.500
Nitrate-N		7.84	mg/L	0.200
Total Dissolved Solids		1774	mg/L	10.00

Sample: 54571 - MW-7

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		238	mg/L as CaCo3	4.00
Total Alkalinity		238	mg/L as CaCo3	4.00
Dissolved Calcium		31.5	mg/L	0.500
Dissolved Potassium		7.75	mg/L	0.500
Dissolved Magnesium		9.99	mg/L	0.500
Dissolved Sodium		296	mg/L	0.500
Chloride		332	mg/L	0.500
Fluoride		3.76	mg/L	0.200
Sulfate		123	mg/L	0.500
Nitrate-N		4.65	mg/L	0.200
Total Dissolved Solids		1128	mg/L	10.00

Sample: 54572 - MW-2

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**220**	mg/L as CaCo3	4.00
Total Alkalinity		**220**	mg/L as CaCo3	4.00
Dissolved Calcium		**103**	mg/L	0.500
Dissolved Potassium		**11.3**	mg/L	0.500
Dissolved Magnesium		**34.5**	mg/L	0.500
Dissolved Sodium		**324**	mg/L	0.500
Chloride		**604**	mg/L	0.500
Fluoride		**2.79**	mg/L	0.200
Sulfate		**130**	mg/L	0.500
Nitrate-N		**5.48**	mg/L	0.200
Total Dissolved Solids		**1462**	mg/L	10.00

Sample: 54573 - MW-1

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**146**	mg/L as CaCo3	4.00
Total Alkalinity		**146**	mg/L as CaCo3	4.00
Dissolved Calcium		**97.9**	mg/L	0.500
Dissolved Potassium		**8.18**	mg/L	0.500
Dissolved Magnesium		**33.5**	mg/L	0.500
Dissolved Sodium		**108**	mg/L	0.500
Chloride		**289**	mg/L	0.500
Fluoride		**2.68**	mg/L	0.200
Sulfate		**79.2**	mg/L	0.500
Nitrate-N		**4.30**	mg/L	0.200
Total Dissolved Solids		**840.0**	mg/L	10.00

Sample: 54574 - MW-9

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**98.0**	mg/L as CaCo3	4.00
Total Alkalinity		**98.0**	mg/L as CaCo3	4.00
Dissolved Calcium		**495**	mg/L	0.500
Dissolved Potassium		**21.5**	mg/L	0.500
Dissolved Magnesium		**164**	mg/L	0.500
Dissolved Sodium		**388**	mg/L	0.500
Chloride		**1960**	mg/L	0.500
Fluoride		**3.63**	mg/L	0.200
Sulfate		**103**	mg/L	0.500
Nitrate-N		**5.36**	mg/L	0.200
Total Dissolved Solids		**3920**	mg/L	10.00

Sample: 54575 - MW-13

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**100**	mg/L as CaCo3	4.00
Total Alkalinity		**100**	mg/L as CaCo3	4.00
Dissolved Calcium		**171**	mg/L	0.500
Dissolved Potassium		**13.3**	mg/L	0.500
Dissolved Magnesium		**61.7**	mg/L	0.500
Dissolved Sodium		**92.3**	mg/L	0.500
Chloride		**491**	mg/L	0.500
Fluoride		**2.19**	mg/L	0.200
Sulfate		**117**	mg/L	0.500
Nitrate-N		**5.36**	mg/L	0.200
Total Dissolved Solids		**1260**	mg/L	10.00

Sample: 54576 - MW-17

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**174**	mg/L as CaCo3	4.00
Total Alkalinity		**174**	mg/L as CaCo3	4.00
Dissolved Calcium		**134**	mg/L	0.500
Dissolved Potassium		**11.0**	mg/L	0.500
Dissolved Magnesium		**45.9**	mg/L	0.500
Dissolved Sodium		**229**	mg/L	0.500
Chloride		**572**	mg/L	0.500
Fluoride		**2.94**	mg/L	0.200
Sulfate		**101**	mg/L	0.500
Nitrate-N		**4.61**	mg/L	0.200
Total Dissolved Solids		**1470**	mg/L	10.00

Sample: 54577 - MW-14

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**80.0**	mg/L as CaCo3	4.00
Total Alkalinity		**80.0**	mg/L as CaCo3	4.00
Dissolved Calcium		**1180**	mg/L	0.500
Dissolved Potassium		**56.8**	mg/L	0.500
Dissolved Magnesium		**370**	mg/L	0.500
Dissolved Sodium		**1250**	mg/L	0.500
Chloride		**6120**	mg/L	0.500
Fluoride		**3.50**	mg/L	0.200
Sulfate		**752**	mg/L	0.500
Nitrate-N		**5.99**	mg/L	0.200
Total Dissolved Solids		**8860**	mg/L	10.00

Sample: 54578 - MW-8

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		238	mg/L as CaCo3	4.00
Total Alkalinity		238	mg/L as CaCo3	4.00
Dissolved Calcium		58.3	mg/L	0.500
Dissolved Potassium		13.2	mg/L	0.500
Dissolved Magnesium		19.0	mg/L	0.500
Dissolved Sodium		543	mg/L	0.500
Chloride		818	mg/L	0.500
Fluoride		4.28	mg/L	0.200
Sulfate		167	mg/L	0.500
Nitrate-N		8.46	mg/L	0.200
Total Dissolved Solids		2080	mg/L	10.00

Sample: 54579 - MW-16

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		180	mg/L as CaCo3	4.00
Total Alkalinity		180	mg/L as CaCo3	4.00
Dissolved Calcium		198	mg/L	0.500
Dissolved Potassium		10.9	mg/L	0.500
Dissolved Magnesium		62.4	mg/L	0.500
Dissolved Sodium		344	mg/L	0.500
Chloride		944	mg/L	0.500
Fluoride		2.40	mg/L	0.200
Sulfate		151	mg/L	0.500
Nitrate-N		7.24	mg/L	0.200
Total Dissolved Solids		2260	mg/L	10.00

Sample: 54580 - DUP-1

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		268	mg/L as CaCo3	4.00
Total Alkalinity		268	mg/L as CaCo3	4.00
Dissolved Calcium		159	mg/L	0.500
Dissolved Potassium		81.0	mg/L	0.500
Dissolved Magnesium		46.4	mg/L	0.500
Dissolved Sodium		813	mg/L	0.500
Chloride		1690	mg/L	0.500
Fluoride		2.00	mg/L	0.200
Sulfate		224	mg/L	0.500
Nitrate-N		8.59	mg/L	0.200
Total Dissolved Solids		3170	mg/L	10.00

Sample: 54581 - MW-12

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**82.0**	mg/L as CaCo3	4.00
Total Alkalinity		**82.0**	mg/L as CaCo3	4.00
Dissolved Calcium		**503**	mg/L	0.500
Dissolved Potassium		**17.8**	mg/L	0.500
Dissolved Magnesium		**176**	mg/L	0.500
Dissolved Sodium		**138**	mg/L	0.500
Chloride		**1770**	mg/L	0.500
Fluoride		**2.04**	mg/L	0.200
Sulfate		**47.7**	mg/L	0.500
Nitrate-N		**6.08**	mg/L	0.200
Total Dissolved Solids		**3080**	mg/L	10.00

Sample: 54582 - MW-19

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**92.0**	mg/L as CaCo3	4.00
Total Alkalinity		**92.0**	mg/L as CaCo3	4.00
Dissolved Calcium		**1340**	mg/L	0.500
Dissolved Potassium		**61.3**	mg/L	0.500
Dissolved Magnesium		**522**	mg/L	0.500
Dissolved Sodium		**974**	mg/L	0.500
Chloride		**5200**	mg/L	0.500
Fluoride		**1.30**	mg/L	0.200
Sulfate		**502**	mg/L	0.500
Nitrate-N		**5.12**	mg/L	0.200
Total Dissolved Solids		**22000**	mg/L	10.00

Sample: 54583 - MW-20

Param	Flag	Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1.00
Bicarbonate Alkalinity		**88.0**	mg/L as CaCo3	4.00
Total Alkalinity		**88.0**	mg/L as CaCo3	4.00
Dissolved Calcium		**227**	mg/L	0.500
Dissolved Potassium		**15.0**	mg/L	0.500
Dissolved Magnesium		**77.5**	mg/L	0.500
Dissolved Sodium		**117**	mg/L	0.500
Chloride		**745**	mg/L	0.500
Fluoride		**1.86**	mg/L	0.200
Sulfate		**73.8**	mg/L	0.500
Nitrate-N		**4.34**	mg/L	0.200
Total Dissolved Solids		**1480**	mg/L	10.00

Analytical and Quality Control Report

Cindy Crain
Larson and Associates, Inc.
P. O. Box 50685
Midland, Tx 79710

Report Date: August 18, 2005

Work Order: 5080815

Client Name: Chev TX
Project Name: G.L. Erwin
Project Number: 0-0112

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
69890	W-MW	water	2005-08-04	12:40	2005-08-08
69891	SW-MW	water	2005-08-04	13:06	2005-08-08
69892	MW-4	water	2005-08-04	13:23	2005-08-08
69893	MW-9	water	2005-08-04	13:45	2005-08-08
69894	MW-10	water	2005-08-04	14:00	2005-08-08
69895	RW-1	water	2005-08-04	14:45	2005-08-08
69896	MW-5	water	2005-08-04	15:10	2005-08-08
69897	MW-3	water	2005-08-04	15:30	2005-08-08
69898	MW-6	water	2005-08-04	16:02	2005-08-08
69899	MW-7	water	2005-08-05	08:48	2005-08-08
69900	MW-2	water	2005-08-05	09:10	2005-08-08
69901	MW-1	water	2005-08-05	09:37	2005-08-08
69902	MW-13	water	2005-08-05	10:09	2005-08-08
69903	MW-14	water	2005-08-05	10:18	2005-08-08
69904	MW-17	water	2005-08-05	10:37	2005-08-08
69905	MW-8	water	2005-08-05	10:55	2005-08-08
69906	DUP-1	water	2005-08-05	00:00	2005-08-08
69907	DUP-2	water	2005-08-05	00:00	2005-08-08
69908	MW-16	water	2005-08-05	11:42	2005-08-08
69909	MW-12	water	2005-08-05	12:00	2005-08-08
69910	MW-20	water	2005-08-05	12:30	2005-08-08
69911	MW-19	water	2005-08-05	12:52	2005-08-08
69912	DUP-3	water	2005-08-05	00:00	2005-08-08

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

Michael Abel

Dr. Blair Leftwich, Director

Analytical Report

Sample: 69890 - W-MW

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20416	Date Analyzed:	2005-08-10	Analyzed By:	RS
Prep Batch:	17934	Sample Preparation:	2005-08-10	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**150**	mg/L as CaCo3	1	4.00
Total Alkalinity		**150**	mg/L as CaCo3	1	4.00

Sample: 69890 - W-MW

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20473	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**87.0**	mg/L	1	0.500
Dissolved Potassium		**42.2**	mg/L	1	0.500
Dissolved Magnesium		**23.6**	mg/L	1	0.500
Dissolved Sodium		**280**	mg/L	10	0.500

Sample: 69890 - W-MW

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20309	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17835	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**526**	mg/L	50	0.500
Fluoride		**1.54**	mg/L	5	0.200
Sulfate		**129**	mg/L	5	0.500

Sample: 69890 - W-MW

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20309	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17835	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**4.16**	mg/L	5	0.200

Sample: 69890 - W-MW

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20343	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17869	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**1104**	mg/L	2	10.00

Sample: 69891 - SW-MW

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20416	Date Analyzed:	2005-08-10	Analyzed By:	RS
Prep Batch:	17934	Sample Preparation:	2005-08-10	Prepared By:	RS

Parameter	Flag	Result	RL Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**226**	mg/L as CaCo3	1	4.00
Total Alkalinity		**226**	mg/L as CaCo3	1	4.00

Sample: 69891 - SW-MW

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20473	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Calcium		**691**	mg/L	10	0.500
Dissolved Potassium		**101**	mg/L	10	0.500
Dissolved Magnesium		**201**	mg/L	10	0.500
Dissolved Sodium		**1980**	mg/L	100	0.500

Sample: 69891 - SW-MW

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20309	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17835	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**5290**	mg/L	500	0.500
Fluoride		**1.55**	mg/L	5	0.200
Sulfate		**325**	mg/L	50	0.500

Sample: 69891 - SW-MW

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20309	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17835	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**11.7**	mg/L	5	0.200

Sample: 69891 - SW-MW

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20343	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17869	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**12000**	mg/L	10	10.00

Sample: 69892 - MW-4

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20416	Date Analyzed:	2005-08-10	Analyzed By:	RS
Prep Batch:	17934	Sample Preparation:	2005-08-10	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**132**	mg/L as CaCo3	1	4.00
Total Alkalinity		**132**	mg/L as CaCo3	1	4.00

Sample: 69892 - MW-4

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20473	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**1650**	mg/L	100	0.500
Dissolved Potassium		**142**	mg/L	10	0.500
Dissolved Magnesium		**375**	mg/L	10	0.500
Dissolved Sodium		**1440**	mg/L	100	0.500

Sample: 69892 - MW-4

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20336 [a]	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17861	Sample Preparation:	2005-08-08	Prepared By:	WB

[a]Nitrates recieved out of hold time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**6580**		mg/L	500	0.500
Fluoride		<1.00		mg/L	5	0.200
Sulfate		**166**		mg/L	5	0.500

Sample: 69892 - MW-4

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20336 [a]	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17861	Sample Preparation:	2005-08-08	Prepared By:	WB

[a]Nitrates recieved out of hold time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**5.34**		mg/L	5	0.200

Sample: 69892 - MW-4

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20343	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17869	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**13200**		mg/L	20	10.00

Sample: 69893 - MW-9

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20416	Date Analyzed:	2005-08-10	Analyzed By:	RS
Prep Batch:	17934	Sample Preparation:	2005-08-10	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**218**		mg/L as CaCo3	1	4.00
Total Alkalinity		**218**		mg/L as CaCo3	1	4.00

Sample: 69893 - MW-9

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20473	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**2280**		mg/L	100	0.500
Dissolved Potassium		**42.8**		mg/L	1	0.500
Dissolved Magnesium		**686**		mg/L	10	0.500
Dissolved Sodium		**1390**		mg/L	100	0.500

Sample: 69893 - MW-9

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20336 [a]	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17861	Sample Preparation:	2005-08-08	Prepared By:	WB

[a] Nitrates recieved out of hold time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**10000**		mg/L	1000	0.500
Fluoride		**1.54**		mg/L	5	0.200
Sulfate		**224**		mg/L	5	0.500

Sample: 69893 - MW-9

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20336 [a]	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17861	Sample Preparation:	2005-08-08	Prepared By:	WB

[a] Nitrates recieved out of hold time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**5.15**		mg/L	5	0.200

Sample: 69893 - MW-9

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20343	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17869	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**27000**		mg/L	50	10.00

Sample: 69894 - MW-10

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20416	Date Analyzed:	2005-08-10	Analyzed By:	RS
Prep Batch:	17934	Sample Preparation:	2005-08-10	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**112**		mg/L as CaCo3	1	4.00
Total Alkalinity		**112**		mg/L as CaCo3	1	4.00

Sample: 69894 - MW-10

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20473	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**419**		mg/L	10	0.500
Dissolved Potassium		**11.5**		mg/L	1	0.500
Dissolved Magnesium		**139**		mg/L	10	0.500
Dissolved Sodium		**186**		mg/L	10	0.500

Sample: 69894 - MW-10

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20309	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17835	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**1500**		mg/L	100	0.500
Fluoride		**1.32**		mg/L	5	0.200
Sulfate		**94.5**		mg/L	5	0.500

Sample: 69894 - MW-10

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20309	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17835	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**4.02**		mg/L	5	0.200

Sample: 69894 - MW-10

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20343	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17869	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**3420**	mg/L	5	10.00

Sample: 69895 - RW-1

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20416	Date Analyzed:	2005-08-10	Analyzed By:	RS
Prep Batch:	17934	Sample Preparation:	2005-08-10	Prepared By:	RS

Parameter	Flag	Result	RL Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**252**	mg/L as CaCo3	1	4.00
Total Alkalinity		**252**	mg/L as CaCo3	1	4.00

Sample: 69895 - RW-1

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20473	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Calcium		**262**	mg/L	10	0.500
Dissolved Potassium		**87.5**	mg/L	1	0.500
Dissolved Magnesium		**76.1**	mg/L	1	0.500
Dissolved Sodium		**1090**	mg/L	100	0.500

Sample: 69895 - RW-1

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20336 [a]	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17861	Sample Preparation:	2005-08-08	Prepared By:	WB

[a]Nitrates recieved out of hold time.

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**2470**	mg/L	100	0.500
Fluoride		**1.26**	mg/L	5	0.200
Sulfate		**188**	mg/L	5	0.500

Sample: 69895 - RW-1

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20336 [a]	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17861	Sample Preparation:	2005-08-08	Prepared By:	WB

[a]Nitrates recieved out of hold time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**5.80**		mg/L	5	0.200

Sample: 69895 - RW-1

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20343	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17869	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**5120**		mg/L	5	10.00

Sample: 69896 - MW-5

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20416	Date Analyzed:	2005-08-10	Analyzed By:	RS
Prep Batch:	17934	Sample Preparation:	2005-08-10	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**256**		mg/L as CaCo3	1	4.00
Total Alkalinity		**256**		mg/L as CaCo3	1	4.00

Sample: 69896 - MW-5

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20473	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**60.5**		mg/L	1	0.500
Dissolved Potassium		**20.3**		mg/L	1	0.500
Dissolved Magnesium		**18.6**		mg/L	1	0.500
Dissolved Sodium		**354**		mg/L	10	0.500

Sample: 69896 - MW-5

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20336 [a]	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17861	Sample Preparation:	2005-08-08	Prepared By:	WB

[a]Nitrates recieved out of hold time.

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**423**	mg/L	50	0.500
Fluoride		**1.83**	mg/L	5	0.200
Sulfate		**201**	mg/L	5	0.500

Sample: 69896 - MW-5

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20336 [a]	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17861	Sample Preparation:	2005-08-08	Prepared By:	WB

[a]Nitrates recieved out of hold time.

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate-N		**6.82**	mg/L	5	0.200

Sample: 69896 - MW-5

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20343	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17869	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**1334**	mg/L	2	10.00

Sample: 69897 - MW-3

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20416	Date Analyzed:	2005-08-10	Analyzed By:	RS
Prep Batch:	17934	Sample Preparation:	2005-08-10	Prepared By:	RS

Parameter	Flag	Result	RL Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**282**	mg/L as CaCo3	1	4.00
Total Alkalinity		**282**	mg/L as CaCo3	1	4.00

Sample: 69897 - MW-3

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20473	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**48.0**		mg/L	1	0.500
Dissolved Potassium		**21.1**		mg/L	1	0.500
Dissolved Magnesium		**14.7**		mg/L	1	0.500
Dissolved Sodium		**630**		mg/L	10	0.500

Sample: 69897 - MW-3

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20337	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17862	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**922**		mg/L	100	0.500
Fluoride		**2.86**		mg/L	5	0.200
Sulfate		**217**		mg/L	5	0.500

Sample: 69897 - MW-3

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20337	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17862	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N	[1]	**8.17**		mg/L	5	0.200

Sample: 69897 - MW-3

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20344	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17870	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**1950**		mg/L	5	10.00

Sample: 69898 - MW-6

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20416	Date Analyzed:	2005-08-10	Analyzed By:	RS
Prep Batch:	17934	Sample Preparation:	2005-08-10	Prepared By:	RS

[1] Sample received out of hold time.

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**268**	mg/L as CaCo3	1	4.00
Total Alkalinity		**268**	mg/L as CaCo3	1	4.00

Sample: 69898 - MW-6

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20473	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**56.6**	mg/L	1	0.500
Dissolved Potassium		**15.3**	mg/L	1	0.500
Dissolved Magnesium		**18.8**	mg/L	1	0.500
Dissolved Sodium		**576**	mg/L	10	0.500

Sample: 69898 - MW-6

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20337	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17862	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**764**	mg/L	50	0.500
Fluoride		**3.16**	mg/L	5	0.200
Sulfate		**206**	mg/L	5	0.500

Sample: 69898 - MW-6

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20337	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17862	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N	[2]	**7.83**	mg/L	5	0.200

Sample: 69898 - MW-6

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20344	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17870	Sample Preparation:	2005-08-09	Prepared By:	WB

[2] Sample received out of hold time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**1650**		mg/L	2	10.00

Sample: 69899 - MW-7

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20417	Date Analyzed:	2005-08-11	Analyzed By:	RS
Prep Batch:	17935	Sample Preparation:	2005-08-11	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**240**		mg/L as CaCo3	1	4.00
Total Alkalinity		**240**		mg/L as CaCo3	1	4.00

Sample: 69899 - MW-7

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20473	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**58.2**		mg/L	1	0.500
Dissolved Potassium		**8.43**		mg/L	1	0.500
Dissolved Magnesium		**19.2**		mg/L	1	0.500
Dissolved Sodium		**325**		mg/L	10	0.500

Sample: 69899 - MW-7

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20337	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17862	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**430**		mg/L	50	0.500
Fluoride		**3.10**		mg/L	5	0.200
Sulfate		**144**		mg/L	5	0.500

Sample: 69899 - MW-7

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20337	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17862	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N	3	**4.36**		mg/L	5	0.200

Sample: 69899 - MW-7

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20344	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17870	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**1180**		mg/L	2	10.00

Sample: 69900 - MW-2

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20417	Date Analyzed:	2005-08-11	Analyzed By:	RS
Prep Batch:	17935	Sample Preparation:	2005-08-11	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**228**		mg/L as CaCo3	1	4.00
Total Alkalinity		**228**		mg/L as CaCo3	1	4.00

Sample: 69900 - MW-2

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20474	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**34.5**		mg/L	1	0.500
Dissolved Potassium		**10.7**		mg/L	1	0.500
Dissolved Magnesium		**10.3**		mg/L	1	0.500
Dissolved Sodium		**341**		mg/L	10	0.500

Sample: 69900 - MW-2

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20337	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17862	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**404**		mg/L	50	0.500

[3]Sample received out of hold time.

continued . . .

sample 69900 continued ...

Parameter	Flag	Result	RL Units	Dilution	RL
Fluoride		**2.24**	mg/L	5	0.200
Sulfate		**154**	mg/L	5	0.500

Sample: 69900 - MW-2

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20337	Date Analyzed:	2005-08-08	Analyzed By:	WB
Prep Batch:	17862	Sample Preparation:	2005-08-08	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate-N	[4]	**5.70**	mg/L	5	0.200

Sample: 69900 - MW-2

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20344	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17870	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**1120**	mg/L	2	10.00

Sample: 69901 - MW-1

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20417	Date Analyzed:	2005-08-11	Analyzed By:	RS
Prep Batch:	17935	Sample Preparation:	2005-08-11	Prepared By:	RS

Parameter	Flag	Result	RL Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**156**	mg/L as CaCo3	1	4.00
Total Alkalinity		**156**	mg/L as CaCo3	1	4.00

Sample: 69901 - MW-1

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20474	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Calcium		75.5	mg/L	1	0.500

[4] Sample received out of hold time.

continued ...

sample 69901 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Potassium		**6.99**	mg/L	1	0.500
Dissolved Magnesium		**26.7**	mg/L	1	0.500
Dissolved Sodium		**125**	mg/L	10	0.500

Sample: 69901 - MW-1

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20339	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17864	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**245**	mg/L	10	0.500
Fluoride		**2.08**	mg/L	5	0.200
Sulfate		**89.6**	mg/L	5	0.500

Sample: 69901 - MW-1

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20339	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17864	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**4.34**	mg/L	5	0.200

Sample: 69901 - MW-1

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20344	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17870	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**856.0**	mg/L	2	10.00

Sample: 69902 - MW-13

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20417	Date Analyzed:	2005-08-11	Analyzed By:	RS
Prep Batch:	17935	Sample Preparation:	2005-08-11	Prepared By:	RS

continued ...

sample 69902 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**96.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**96.0**	mg/L as CaCo3	1	4.00

Sample: 69902 - MW-13

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20474	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**217**	mg/L	10	0.500
Dissolved Potassium		**12.7**	mg/L	1	0.500
Dissolved Magnesium		**70.8**	mg/L	1	0.500
Dissolved Sodium		**103**	mg/L	10	0.500

Sample: 69902 - MW-13

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20339	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17864	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**759**	mg/L	50	0.500
Fluoride		**2.29**	mg/L	5	0.200
Sulfate		**125**	mg/L	5	0.500

Sample: 69902 - MW-13

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20339	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17864	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**5.11**	mg/L	5	0.200

Sample: 69902 - MW-13

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20344	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17870	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**1550**	mg/L	2	10.00

Sample: 69903 - MW-14

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20417	Date Analyzed:	2005-08-11	Analyzed By:	RS
Prep Batch:	17935	Sample Preparation:	2005-08-11	Prepared By:	RS

Parameter	Flag	Result	RL Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**86.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**86.0**	mg/L as CaCo3	1	4.00

Sample: 69903 - MW-14

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20474	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Calcium		**1230**	mg/L	100	0.500
Dissolved Potassium		**46.3**	mg/L	1	0.500
Dissolved Magnesium		**400**	mg/L	10	0.500
Dissolved Sodium		**1440**	mg/L	100	0.500

Sample: 69903 - MW-14

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20339	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17864	Sample Preparation:	2005-08-09	Prepared By:	WB
QC Batch:	20341 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17867	Sample Preparation:	2005-08-09	Prepared By:	WB

[a] Nitrates recieved out of holding time.

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**6480**	mg/L	500	0.500
Fluoride		**1.84**	mg/L	5	0.200

continued ...

sample 69903 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		**882**	mg/L	50	0.500

Sample: 69903 - MW-14

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20339	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17864	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**5.04**	mg/L	5	0.200

Sample: 69903 - MW-14

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20415	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17938	Sample Preparation:	2005-08-10	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**9570**	mg/L	10	10.00

Sample: 69904 - MW-17

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20417	Date Analyzed:	2005-08-11	Analyzed By:	RS
Prep Batch:	17935	Sample Preparation:	2005-08-11	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**172**	mg/L as CaCo3	1	4.00
Total Alkalinity		**172**	mg/L as CaCo3	1	4.00

Sample: 69904 - MW-17

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20474	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**169**	mg/L	10	0.500

continued ...

sample 69904 continued . . .

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Potassium		**9.50**	mg/L	1	0.500
Dissolved Magnesium		**53.5**	mg/L	1	0.500
Dissolved Sodium		**220**	mg/L	10	0.500

Sample: 69904 - MW-17

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20340 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17865	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**626**	mg/L	50	0.500
Fluoride		**2.16**	mg/L	5	0.200
Sulfate		**106**	mg/L	5	0.500

Sample: 69904 - MW-17

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20340 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17865	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**4.37**	mg/L	5	0.200

Sample: 69904 - MW-17

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20344	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17870	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Total Dissolved Solids		**1750**	mg/L	2	10.00

Sample: 69905 - MW-8

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20417	Date Analyzed:	2005-08-11	Analyzed By:	RS
Prep Batch:	17935	Sample Preparation:	2005-08-11	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**236**		mg/L as CaCo3	1	4.00
Total Alkalinity		**236**		mg/L as CaCo3	1	4.00

Sample: 69905 - MW-8

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20474	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**71.5**		mg/L	1	0.500
Dissolved Potassium		**11.7**		mg/L	1	0.500
Dissolved Magnesium		**23.3**		mg/L	1	0.500
Dissolved Sodium		**574**		mg/L	10	0.500

Sample: 69905 - MW-8

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20340 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17865	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**888**		mg/L	100	0.500
Fluoride		**3.29**		mg/L	5	0.200
Sulfate		**184**		mg/L	5	0.500

Sample: 69905 - MW-8

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20340 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17865	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**7.66**		mg/L	5	0.200

Sample: 69905 - MW-8

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20344	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17870	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**2230**		mg/L	5	10.00

Sample: 69906 - DUP-1

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20417	Date Analyzed:	2005-08-11	Analyzed By:	RS
Prep Batch:	17935	Sample Preparation:	2005-08-11	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**242**		mg/L as CaCo3	1	4.00
Total Alkalinity		**242**		mg/L as CaCo3	1	4.00

Sample: 69906 - DUP-1

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20474	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**49.2**		mg/L	1	0.500
Dissolved Potassium		**21.5**		mg/L	1	0.500
Dissolved Magnesium		**14.8**		mg/L	1	0.500
Dissolved Sodium		**341**		mg/L	10	0.500

Sample: 69906 - DUP-1

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20340 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17865	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**394**		mg/L	50	0.500
Fluoride		**1.82**		mg/L	5	0.200
Sulfate		**200**		mg/L	5	0.500

Sample: 69906 - DUP-1

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20340 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17865	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**6.74**		mg/L	5	0.200

Sample: 69906 - DUP-1

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20344	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17870	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**1220**		mg/L	2	10.00

Sample: 69907 - DUP-2

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20417	Date Analyzed:	2005-08-11	Analyzed By:	RS
Prep Batch:	17935	Sample Preparation:	2005-08-11	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**236**		mg/L as CaCo3	1	4.00
Total Alkalinity		**236**		mg/L as CaCo3	1	4.00

Sample: 69907 - DUP-2

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20474	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL	Units	Dilution	RL
Dissolved Calcium		**38.7**		mg/L	1	0.500
Dissolved Potassium		**6.51**		mg/L	1	0.500
Dissolved Magnesium		**12.5**		mg/L	1	0.500
Dissolved Sodium		**315**		mg/L	10	0.500

Sample: 69907 - DUP-2

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20340 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17865	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**387**		mg/L	50	0.500
Fluoride		**3.14**		mg/L	5	0.200
Sulfate		**144**		mg/L	5	0.500

Sample: 69907 - DUP-2

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20340 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17865	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**4.30**		mg/L	5	0.200

Sample: 69907 - DUP-2

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20345	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17871	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**1100**		mg/L	2	10.00

Sample: 69908 - MW-16

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20417	Date Analyzed:	2005-08-11	Analyzed By:	RS
Prep Batch:	17935	Sample Preparation:	2005-08-11	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**230**		mg/L as CaCo3	1	4.00
Total Alkalinity		**230**		mg/L as CaCo3	1	4.00

Sample: 69908 - MW-16

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20474	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Calcium		**134**	mg/L	10	0.500
Dissolved Potassium		**8.70**	mg/L	1	0.500
Dissolved Magnesium		**46.9**	mg/L	1	0.500
Dissolved Sodium		**249**	mg/L	10	0.500

Sample: 69908 - MW-16

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20340 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17865	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**568**	mg/L	50	0.500
Fluoride		**1.99**	mg/L	5	0.200
Sulfate		**146**	mg/L	5	0.500

Sample: 69908 - MW-16

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20340 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17865	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate-N		**5.14**	mg/L	5	0.200

Sample: 69908 - MW-16

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20345	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17871	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**1420**	mg/L	2	10.00

Sample: 69909 - MW-12

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20517	Date Analyzed:	2005-08-16	Analyzed By:	RS
Prep Batch:	18014	Sample Preparation:	2005-08-16	Prepared By:	RS

Parameter	Flag	RL Result	Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**72.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**72.0**	mg/L as CaCo3	1	4.00

Sample: 69909 - MW-12

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20474	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17928	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	RL Result	Units	Dilution	RL
Dissolved Calcium		**547**	mg/L	10	0.500
Dissolved Potassium		**15.2**	mg/L	1	0.500
Dissolved Magnesium		**194**	mg/L	10	0.500
Dissolved Sodium		**149**	mg/L	10	0.500

Sample: 69909 - MW-12

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20341 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17867	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1800**	mg/L	100	0.500
Fluoride		**1.66**	mg/L	5	0.200
Sulfate		**48.6**	mg/L	5	0.500

Sample: 69909 - MW-12

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20341 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17867	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	RL Result	Units	Dilution	RL
Nitrate-N		**4.69**	mg/L	5	0.200

Sample: 69909 - MW-12

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20345	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17871	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**4180**	mg/L	5	10.00

Sample: 69910 - MW-20

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20517	Date Analyzed:	2005-08-16	Analyzed By:	RS
Prep Batch:	18014	Sample Preparation:	2005-08-16	Prepared By:	RS

Parameter	Flag	Result	RL Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**80.0**	mg/L as CaCo3	1	4.00

Sample: 69910 - MW-20

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20479	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17933	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Calcium		**326**	mg/L	10	0.500
Dissolved Potassium		**14.7**	mg/L	1	0.500
Dissolved Magnesium		**116**	mg/L	10	0.500
Dissolved Sodium		**162**	mg/L	10	0.500

Sample: 69910 - MW-20

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20341 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17867	Sample Preparation:	2005-08-09	Prepared By:	WB

[a] Nitrates recieved out of holding time.

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**1170**	mg/L	100	0.500
Fluoride		**1.76**	mg/L	5	0.200
Sulfate		**84.5**	mg/L	5	0.500

Sample: 69910 - MW-20

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20341 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17867	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate-N		**4.55**	mg/L	5	0.200

Sample: 69910 - MW-20

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20345	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17871	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**2640**	mg/L	5	10.00

Sample: 69911 - MW-19

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20517	Date Analyzed:	2005-08-16	Analyzed By:	RS
Prep Batch:	18014	Sample Preparation:	2005-08-16	Prepared By:	RS

Parameter	Flag	Result	RL Units	Dilution	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**82.0**	mg/L as CaCo3	1	4.00
Total Alkalinity		**82.0**	mg/L as CaCo3	1	4.00

Sample: 69911 - MW-19

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20479	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17933	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Calcium		**1200**	mg/L	100	0.500
Dissolved Potassium		**50.6**	mg/L	1	0.500
Dissolved Magnesium		**422**	mg/L	10	0.500
Dissolved Sodium		**793**	mg/L	10	0.500

Sample: 69911 - MW-19

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20341 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17867	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**4850**		mg/L	500	0.500
Fluoride		**1.76**		mg/L	5	0.200
Sulfate		**450**		mg/L	50	0.500

Sample: 69911 - MW-19

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20341 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17867	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL	Units	Dilution	RL
Nitrate-N		**4.70**		mg/L	5	0.200

Sample: 69911 - MW-19

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20345	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17871	Sample Preparation:	2005-08-09	Prepared By:	WB

Parameter	Flag	Result	RL	Units	Dilution	RL
Total Dissolved Solids		**9750**		mg/L	10	10.00

Sample: 69912 - DUP-3

Analysis:	Alkalinity	Analytical Method:	SM 2320B	Prep Method:	N/A
QC Batch:	20517	Date Analyzed:	2005-08-16	Analyzed By:	RS
Prep Batch:	18014	Sample Preparation:	2005-08-16	Prepared By:	RS

Parameter	Flag	Result	RL	Units	Dilution	RL
Hydroxide Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Carbonate Alkalinity		<1.00		mg/L as CaCo3	1	1.00
Bicarbonate Alkalinity		**80.0**		mg/L as CaCo3	1	4.00
Total Alkalinity		**80.0**		mg/L as CaCo3	1	4.00

Sample: 69912 - DUP-3

Analysis:	Cations	Analytical Method:	S 6010B	Prep Method:	S 3005A
QC Batch:	20479	Date Analyzed:	2005-08-15	Analyzed By:	TP
Prep Batch:	17933	Sample Preparation:	2005-08-12	Prepared By:	DS

Parameter	Flag	Result	RL Units	Dilution	RL
Dissolved Calcium		**1270**	mg/L	100	0.500
Dissolved Potassium		**51.0**	mg/L	1	0.500
Dissolved Magnesium		**463**	mg/L	10	0.500
Dissolved Sodium		**814**	mg/L	10	0.500

Sample: 69912 - DUP-3

Analysis:	Ion Chromatography	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20341 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17867	Sample Preparation:	2005-08-09	Prepared By:	WB
QC Batch:	20380	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17903	Sample Preparation:	2005-08-10	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**5170**	mg/L	500	0.500
Fluoride		**1.87**	mg/L	5	0.200
Sulfate		**462**	mg/L	10	0.500

Sample: 69912 - DUP-3

Analysis:	NO3 (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	20341 [a]	Date Analyzed:	2005-08-09	Analyzed By:	WB
Prep Batch:	17867	Sample Preparation:	2005-08-09	Prepared By:	WB

[a]Nitrates recieved out of holding time.

Parameter	Flag	Result	RL Units	Dilution	RL
Nitrate-N		**4.83**	mg/L	5	0.200

Sample: 69912 - DUP-3

Analysis:	TDS	Analytical Method:	SM 2540C	Prep Method:	N/A
QC Batch:	20415	Date Analyzed:	2005-08-10	Analyzed By:	WB
Prep Batch:	17938	Sample Preparation:	2005-08-10	Prepared By:	WB

Parameter	Flag	Result	RL Units	Dilution	RL
Total Dissolved Solids		**15800**	mg/L	10	10.00

Method Blank (1) QC Batch: 20309

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.00400	mg/L	0.2

Method Blank (1) QC Batch: 20309

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0504	mg/L	0.5
Fluoride		<0.0473	mg/L	0.2
Sulfate		<0.450	mg/L	0.5

Method Blank (1) QC Batch: 20336

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.00400	mg/L	0.2

Method Blank (1) QC Batch: 20336

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0504	mg/L	0.5
Fluoride		<0.0473	mg/L	0.2
Sulfate		<0.450	mg/L	0.5

Method Blank (1) QC Batch: 20337

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.00400	mg/L	0.2

Method Blank (1) QC Batch: 20337

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0504	mg/L	0.5
Fluoride		<0.0473	mg/L	0.2
Sulfate		<0.450	mg/L	0.5

Method Blank (1) QC Batch: 20339

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.00400	mg/L	0.2

Method Blank (1) QC Batch: 20339

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0504	mg/L	0.5
Fluoride		<0.0473	mg/L	0.2
Sulfate		<0.450	mg/L	0.5

Method Blank (1) QC Batch: 20340

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.00400	mg/L	0.2

Method Blank (1) QC Batch: 20340

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0504	mg/L	0.5
Fluoride		<0.0473	mg/L	0.2
Sulfate		<0.450	mg/L	0.5

Method Blank (1) QC Batch: 20341

Parameter	Flag	MDL Result	Units	RL
Nitrate-N		<0.00400	mg/L	0.2

Method Blank (1) QC Batch: 20341

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0504	mg/L	0.5
Fluoride		<0.0473	mg/L	0.2
Sulfate		<0.450	mg/L	0.5

Method Blank (1) QC Batch: 20343

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.000	mg/L	10

Method Blank (1) QC Batch: 20344

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.000	mg/L	10

Method Blank (1) QC Batch: 20345

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.000	mg/L	10

Method Blank (1) QC Batch: 20380

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.0504	mg/L	0.5

Method Blank (1) QC Batch: 20415

Parameter	Flag	MDL Result	Units	RL
Total Dissolved Solids		<5.000	mg/L	10

Method Blank (1) QC Batch: 20416

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<4.00	mg/L as CaCo3	4

Method Blank (1) QC Batch: 20417

Parameter	Flag	MDL Result	Units	RL
Hydroxide Alkalinity		<1.00	mg/L as CaCo3	1
Carbonate Alkalinity		<1.00	mg/L as CaCo3	1
Bicarbonate Alkalinity		<4.00	mg/L as CaCo3	4
Total Alkalinity		<4.00	mg/L as CaCo3	4

Method Blank (1) QC Batch: 20473

Parameter	Flag	MDL Result	Units	RL
Dissolved Calcium		<0.102	mg/L	0.5
Dissolved Potassium		<0.0454	mg/L	0.5
Dissolved Magnesium		<0.110	mg/L	0.5
Dissolved Sodium		<0.0114	mg/L	0.5

Method Blank (1) QC Batch: 20474

Parameter	Flag	MDL Result	Units	RL
Dissolved Calcium		<0.102	mg/L	0.5
Dissolved Potassium		<0.0454	mg/L	0.5
Dissolved Magnesium		<0.110	mg/L	0.5
Dissolved Sodium		<0.0114	mg/L	0.5

Method Blank (1) QC Batch: 20479

Parameter	Flag	MDL Result	Units	RL
Dissolved Calcium		<0.102	mg/L	0.5
Dissolved Potassium		<0.0454	mg/L	0.5
Dissolved Magnesium		<0.110	mg/L	0.5
Dissolved Sodium		<0.0114	mg/L	0.5

Method Blank (1) QC Batch: 20517

Duplicate (1) QC Batch: 20343

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	1612	1502	mg/L	2	7	14.9

Duplicate (1) QC Batch: 20344

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	1360	1220	mg/L	2	11	14.9

Duplicate (1) QC Batch: 20415

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Total Dissolved Solids	910.0	952.0	mg/L	2	4	14.9

Duplicate (1) QC Batch: 20416

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Bicarbonate Alkalinity	262	268	mg/L as CaCo3	1	2	20
Total Alkalinity	262	268	mg/L as CaCo3	1	2	4.6

Duplicate (1) QC Batch: 20417

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Bicarbonate Alkalinity	226	230	mg/L as CaCo3	1	2	20
Total Alkalinity	226	230	mg/L as CaCo3	1	2	4.6

Duplicate (1) QC Batch: 20517

Param	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Hydroxide Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Carbonate Alkalinity	<1.00	<1.00	mg/L as CaCo3	1	0	20
Bicarbonate Alkalinity	82.0	80.0	mg/L as CaCo3	1	2	20
Total Alkalinity	82.0	80.0	mg/L as CaCo3	1	2	4.6

Laboratory Control Spike (LCS-1) QC Batch: 20309

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.63	2.60	mg/L	1	2.50	<0.00400	105	1	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20309

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.8	12.8	mg/L	1	12.5	<0.0504	102	0	90 - 110	20
Fluoride	2.68	2.67	mg/L	1	2.50	<0.0473	107	0	90 - 110	20
Sulfate	12.9	12.8	mg/L	1	12.5	<0.450	103	1	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20336

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.60	2.58	mg/L	1	2.50	<0.00400	104	1	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20336

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.8	12.6	mg/L	1	12.5	<0.0504	102	2	90 - 110	20
Fluoride	2.65	2.54	mg/L	1	2.50	<0.0473	106	4	90 - 110	20
Sulfate	12.9	13.0	mg/L	1	12.5	<0.450	103	1	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20337

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.57	2.54	mg/L	1	2.50	<0.00400	103	1	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20337

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.6	12.8	mg/L	1	12.5	<0.0504	101	2	90 - 110	20
Fluoride	2.53	2.63	mg/L	1	2.50	<0.0473	101	4	90 - 110	20

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control spikes continued . . .

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Sulfate	12.9	12.9	mg/L	1	12.5	<0.450	103	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20339

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.63	2.62	mg/L	1	2.50	<0.00400	105	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20339

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.8	12.6	mg/L	1	12.5	<0.0504	102	2	90 - 110	20
Fluoride	2.62	2.55	mg/L	1	2.50	<0.0473	105	3	90 - 110	20
Sulfate	13.0	13.0	mg/L	1	12.5	<0.450	104	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20340

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.64	2.59	mg/L	1	2.50	<0.00400	106	2	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20340

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.8	12.6	mg/L	1	12.5	<0.0504	102	2	90 - 110	20
Fluoride	2.60	2.58	mg/L	1	2.50	<0.0473	104	1	90 - 110	20
Sulfate	12.9	13.0	mg/L	1	12.5	<0.450	103	1	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20341

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	2.58	2.57	mg/L	1	2.50	<0.00400	103	0	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20341

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.7	12.7	mg/L	1	12.5	<0.0504	102	0	90 - 110	20
Fluoride	2.54	2.57	mg/L	1	2.50	<0.0473	102	1	90 - 110	20
Sulfate	13.0	12.9	mg/L	1	12.5	<0.450	104	1	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20380

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.4	12.6	mg/L	1	12.5	<0.0504	99	2	90 - 110	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20473

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Calcium	47.2	46.9	mg/L	1	50.0	<0.102	94	1	85 - 115	20
Dissolved Potassium	48.1	46.9	mg/L	1	50.0	<0.0454	96	2	85 - 115	20
Dissolved Magnesium	46.7	46.1	mg/L	1	50.0	<0.110	93	1	85 - 115	20
Dissolved Sodium	49.2	46.8	mg/L	1	50.0	<0.0114	98	5	85 - 115	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20474

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Calcium	47.2	46.9	mg/L	1	50.0	<0.102	94	1	85 - 115	20
Dissolved Potassium	48.1	46.9	mg/L	1	50.0	<0.0454	96	2	85 - 115	20
Dissolved Magnesium	46.7	46.1	mg/L	1	50.0	<0.110	93	1	85 - 115	20
Dissolved Sodium	49.2	46.8	mg/L	1	50.0	<0.0114	98	5	85 - 115	20

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

Laboratory Control Spike (LCS-1) QC Batch: 20479

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Calcium	49.9	52.3	mg/L	1	50.0	<0.102	100	5	85 - 115	20
Dissolved Potassium	46.5	46.8	mg/L	1	50.0	<0.0454	93	1	85 - 115	20
Dissolved Magnesium	48.5	50.2	mg/L	1	50.0	<0.110	97	3	85 - 115	20
Dissolved Sodium	47.9	47.1	mg/L	1	50.0	<0.0114	96	2	85 - 115	20

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

Matrix Spike (MS-1) QC Batch: 20309 Spiked Sample: 69894

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	278	280	mg/L	100	2.50	28.4	100	1	78.8 - 116	20

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

Matrix Spike (MS-1) QC Batch: 20309 Spiked Sample: 69894

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	2750	2720	mg/L	100	12.5	1500	100	1	70.7 - 124	20
Fluoride	262	255	mg/L	100	2.50	<4.73	105	3	70.9 - 126	20
Sulfate	1450	1460	mg/L	100	12.5	197	100	1	82.5 - 123	20

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

Matrix Spike (MS-1) QC Batch: 20336 Spiked Sample: 69896

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	142	143	mg/L	50	2.50	18.1	99	1	78.8 - 116	20

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

Matrix Spike (MS-1) QC Batch: 20336 Spiked Sample: 69896

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1040	1040	mg/L	50	12.5	423	99	0	70.7 - 124	20
Fluoride	125	131	mg/L	50	2.50	5.94	95	5	70.9 - 126	20
Sulfate	862	860	mg/L	50	12.5	276	94	0	82.5 - 123	20

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

Matrix Spike (MS-1) QC Batch: 20337 Spiked Sample: 69900

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	131	141	mg/L	50	2.50	17.2	91	7	78.8 - 116	20

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

Matrix Spike (MS-1) QC Batch: 20337 Spiked Sample: 69900

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1000	1020	mg/L	50	12.5	404	95	2	70.7 - 124	20
Fluoride	122	132	mg/L	50	2.50	6.37	92	8	70.9 - 126	20

continued ...

matrix spikes continued...

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Sulfate	[5,6]	957	982	mg/L	50	12.5	474	77	3	82.5 - 123	20

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

Matrix Spike (MS-1) QC Batch: 20339 Spiked Sample: 69902

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	144	144	mg/L	50	2.50	17.6	101	0	78.8 - 116	20

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

Matrix Spike (MS-1) QC Batch: 20339 Spiked Sample: 69902

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1470	1400	mg/L	50	12.5	759	114	5	70.7 - 124	20
Fluoride	130	130	mg/L	50	2.50	6.88	98	0	70.9 - 126	20
Sulfate	842	834	mg/L	50	12.5	192	104	1	82.5 - 123	20

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

Matrix Spike (MS-1) QC Batch: 20340 Spiked Sample: 69908

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	141	138	mg/L	50	2.50	16.6	100	2	78.8 - 116	20

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

Matrix Spike (MS-1) QC Batch: 20340 Spiked Sample: 69908

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1180	1180	mg/L	50	12.5	538	103	0	70.7 - 124	20
Fluoride	123	122	mg/L	50	2.50	5.75	94	1	70.9 - 126	20
Sulfate	830	816	mg/L	50	12.5	199	101	2	82.5 - 123	20

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

Matrix Spike (MS-1) QC Batch: 20341 Spiked Sample: 69910

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Nitrate-N	278	274	mg/L	100	2.50	29.5	99	1	78.8 - 116	20

[5]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[6]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

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

Matrix Spike (MS-1) QC Batch: 20341 Spiked Sample: 69910

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	2460	2440	mg/L	100	12.5	1170	103	1	70.7 - 124	20
Fluoride	258	245	mg/L	100	2.50	<4.73	103	5	70.9 - 126	20
Sulfate	1480	1450	mg/L	100	12.5	203	102	2	82.5 - 123	20

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

Matrix Spike (MS-1) QC Batch: 20380 Spiked Sample: 70125

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	76.0	75.8	mg/L	5	12.5	16.1	96	0	70.7 - 124	20

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

Matrix Spike (MS-1) QC Batch: 20473 Spiked Sample: 69890

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Calcium	137	136	mg/L	1	50.0	87	100	1	75 - 125	20
Dissolved Potassium	96.2	99.3	mg/L	1	50.0	42.2	108	3	75 - 125	20
Dissolved Magnesium	74.6	73.7	mg/L	1	50.0	23.6	102	1	75 - 125	20
Dissolved Sodium	322	323	mg/L	1	50.0	280	84	0	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 20474 Spiked Sample: 69900

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Calcium	86.0	84.2	mg/L	1	50.0	34.5	103	2	75 - 125	20
Dissolved Potassium	64.9	54.7	mg/L	1	50.0	10.7	108	17	75 - 125	20
Dissolved Magnesium	64.9	61.3	mg/L	1	50.0	10.3	109	6	75 - 125	20
Dissolved Sodium	401	379	mg/L	1	50.0	341	120	6	75 - 125	20

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

Matrix Spike (MS-1) QC Batch: 20479 Spiked Sample: 70240

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Calcium	493	492	mg/L	1	50.0	434	118	0	75 - 125	20
Dissolved Potassium	155	152	mg/L	1	50.0	113	84	2	75 - 125	20

continued . . .

matrix spikes continued . . .

Param		MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Dissolved Magnesium	[7]	796	779	mg/L	1	50.0	751	90	2	75 - 125	20
Dissolved Sodium	[8,9]	3690	3660	mg/L	1	50.0	3590	200	1	75 - 125	20

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

Standard (ICV-1) QC Batch: 20309

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.59	104	90 - 110	2005-08-08

Standard (ICV-1) QC Batch: 20309

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.6	101	90 - 110	2005-08-08
Fluoride		mg/L	2.50	2.66	106	90 - 110	2005-08-08
Sulfate		mg/L	12.5	12.8	102	90 - 110	2005-08-08

Standard (CCV-1) QC Batch: 20309

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.62	105	90 - 110	2005-08-08

Standard (CCV-1) QC Batch: 20309

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.8	102	90 - 110	2005-08-08
Fluoride		mg/L	2.50	2.66	106	90 - 110	2005-08-08
Sulfate		mg/L	12.5	12.9	103	90 - 110	2005-08-08

Standard (ICV-1) QC Batch: 20336

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.62	105	90 - 110	2005-08-08

[7] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[8] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[9] Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Standard (ICV-1) QC Batch: 20336

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.8	102	90 - 110	2005-08-08
Fluoride		mg/L	2.50	2.66	106	90 - 110	2005-08-08
Sulfate		mg/L	12.5	12.9	103	90 - 110	2005-08-08

Standard (CCV-1) QC Batch: 20336

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.58	103	90 - 110	2005-08-08

Standard (CCV-1) QC Batch: 20336

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.6	101	90 - 110	2005-08-08
Fluoride		mg/L	2.50	2.55	102	90 - 110	2005-08-08
Sulfate		mg/L	12.5	12.9	103	90 - 110	2005-08-08

Standard (ICV-1) QC Batch: 20337

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.58	103	90 - 110	2005-08-08

Standard (ICV-1) QC Batch: 20337

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.6	101	90 - 110	2005-08-08
Fluoride		mg/L	2.50	2.55	102	90 - 110	2005-08-08
Sulfate		mg/L	12.5	12.9	103	90 - 110	2005-08-08

Standard (CCV-1) QC Batch: 20337

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.59	104	90 - 110	2005-08-08

Standard (CCV-1) QC Batch: 20337

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.8	102	90 - 110	2005-08-08
Fluoride		mg/L	2.50	2.70	108	90 - 110	2005-08-08
Sulfate		mg/L	12.5	12.9	103	90 - 110	2005-08-08

Standard (ICV-1) QC Batch: 20339

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.61	104	90 - 110	2005-08-09

Standard (ICV-1) QC Batch: 20339

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.6	101	90 - 110	2005-08-09
Fluoride		mg/L	2.50	2.57	103	90 - 110	2005-08-09
Sulfate		mg/L	12.5	13.0	104	90 - 110	2005-08-09

Standard (CCV-1) QC Batch: 20339

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.66	106	90 - 110	2005-08-09

Standard (CCV-1) QC Batch: 20339

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.9	103	90 - 110	2005-08-09
Fluoride		mg/L	2.50	2.73	109	90 - 110	2005-08-09
Sulfate		mg/L	12.5	13.0	104	90 - 110	2005-08-09

Standard (ICV-1) QC Batch: 20340

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.66	106	90 - 110	2005-08-09

Standard (ICV-1) QC Batch: 20340

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.9	103	90 - 110	2005-08-09
Fluoride		mg/L	2.50	2.73	109	90 - 110	2005-08-09
Sulfate		mg/L	12.5	13.0	104	90 - 110	2005-08-09

Standard (CCV-1) QC Batch: 20340

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.59	104	90 - 110	2005-08-09

Standard (CCV-1) QC Batch: 20340

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.6	101	90 - 110	2005-08-09
Fluoride		mg/L	2.50	2.55	102	90 - 110	2005-08-09
Sulfate		mg/L	12.5	13.0	104	90 - 110	2005-08-09

Standard (ICV-1) QC Batch: 20341

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.59	104	90 - 110	2005-08-09

Standard (ICV-1) QC Batch: 20341

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.6	101	90 - 110	2005-08-09
Fluoride		mg/L	2.50	2.55	102	90 - 110	2005-08-09
Sulfate		mg/L	12.5	13.0	104	90 - 110	2005-08-09

Standard (CCV-1) QC Batch: 20341

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Nitrate-N		mg/L	2.50	2.62	105	90 - 110	2005-08-09

Standard (CCV-1) QC Batch: 20341

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.6	101	90 - 110	2005-08-09
Fluoride		mg/L	2.50	2.56	102	90 - 110	2005-08-09
Sulfate		mg/L	12.5	12.9	103	90 - 110	2005-08-09

Standard (ICV-1) QC Batch: 20343

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1011	101	90 - 110	2005-08-09

Standard (CCV-1) QC Batch: 20343

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	991.0	99	90 - 110	2005-08-09

Standard (ICV-1) QC Batch: 20344

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1029	103	90 - 110	2005-08-10

Standard (CCV-1) QC Batch: 20344

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1008	101	90 - 110	2005-08-10

Standard (ICV-1) QC Batch: 20345

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1008	101	90 - 110	2005-08-10

Standard (CCV-1) QC Batch: 20345

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1024	102	90 - 110	2005-08-10

Standard (ICV-1) QC Batch: 20380

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.6	101	90 - 110	2005-08-10

Standard (CCV-1) QC Batch: 20380

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.7	102	90 - 110	2005-08-10

Standard (ICV-1) QC Batch: 20415

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1037	104	90 - 110	2005-08-10

Standard (CCV-1) QC Batch: 20415

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Dissolved Solids		mg/L	1000	1011	101	90 - 110	2005-08-10

Standard (ICV-1) QC Batch: 20416

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	242	97	90 - 110	2005-08-10

Standard (CCV-1) QC Batch: 20416

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	240	96	90 - 110	2005-08-10

Standard (ICV-1) QC Batch: 20417

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	242	97	90 - 110	2005-08-11

Standard (CCV-1) QC Batch: 20417

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	238	95	90 - 110	2005-08-11

Standard (ICV-1) QC Batch: 20473

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	48.1	96	90 - 110	2005-08-15
Dissolved Potassium		mg/L	50.0	48.5	97	90 - 110	2005-08-15
Dissolved Magnesium		mg/L	50.0	49.7	99	90 - 110	2005-08-15
Dissolved Sodium		mg/L	50.0	50.5	101	90 - 110	2005-08-15

Standard (CCV-1) QC Batch: 20473

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	51.2	102	90 - 110	2005-08-15
Dissolved Potassium		mg/L	50.0	49.4	99	90 - 110	2005-08-15
Dissolved Magnesium		mg/L	50.0	51.1	102	90 - 110	2005-08-15
Dissolved Sodium		mg/L	50.0	49.9	100	90 - 110	2005-08-15

Standard (ICV-1) QC Batch: 20474

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	48.1	96	90 - 110	2005-08-15
Dissolved Potassium		mg/L	50.0	48.5	97	90 - 110	2005-08-15
Dissolved Magnesium		mg/L	50.0	49.7	99	90 - 110	2005-08-15
Dissolved Sodium		mg/L	50.0	50.5	101	90 - 110	2005-08-15

Standard (CCV-1) QC Batch: 20474

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	49.9	100	90 - 110	2005-08-15
Dissolved Potassium		mg/L	50.0	46.6	93	90 - 110	2005-08-15
Dissolved Magnesium		mg/L	50.0	50.1	100	90 - 110	2005-08-15
Dissolved Sodium		mg/L	50.0	48.0	96	90 - 110	2005-08-15

Standard (ICV-1) QC Batch: 20479

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	48.2	96	90 - 110	2005-08-15
Dissolved Potassium		mg/L	50.0	46.4	93	90 - 110	2005-08-15
Dissolved Magnesium		mg/L	50.0	49.9	100	90 - 110	2005-08-15
Dissolved Sodium		mg/L	50.0	48.8	98	90 - 110	2005-08-15

Standard (CCV-1) QC Batch: 20479

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Dissolved Calcium		mg/L	50.0	46.0	92	90 - 110	2005-08-15
Dissolved Potassium		mg/L	50.0	48.8	98	90 - 110	2005-08-15
Dissolved Magnesium		mg/L	50.0	46.5	93	90 - 110	2005-08-15
Dissolved Sodium		mg/L	50.0	47.4	95	90 - 110	2005-08-15

Standard (ICV-1) QC Batch: 20517

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	244	98	90 - 110	2005-08-16

Standard (CCV-1) QC Batch: 20517

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Alkalinity		mg/L as CaCo3	250	240	96	90 - 110	2005-08-16

5080815

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc. Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: Chevron
SITE MANAGER: Cindy Crain
PROJECT NO.: 0-0112
PROJECT NAME: GL Erwin
PAGE 1 OF 2
LAB. PO #

PARAMETERS/METHOD NUMBER: CATIONS; ANIONS; TDS

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
8/4	1240	✓			W-MW 49890	1		
	1306				SW-MW 91	1		
	1323				MW-4 92	1		
	1345				MW-9 93	1		
	1400				MW-10 94	1		
	1445				RW-1 95	1		
	1510				MW-5 96	1		
	1530				MW-3 97	1		
	1602				MW-6 98	1		
8/5	0848				MW-7 99	1		
	0910				MW-2 900	1		
	0937				MW-1 01	1		
	1009				MW-13 02	1		
	1018				MW-14 03	1		
	1037				MW-17 04	1		
	1055				MW-8 05	1		
					DUP1 06	1		
					DUP2 07	1		

SAMPLED BY: (Signature) DATE: 8/5/05 TIME: 1430
RELINQUISHED BY: (Signature) DATE: 8/5 TIME: 1610
RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) Helen Skelton DATE: 8/7/05 TIME: 1230
RECEIVED BY: (Signature) DATE: 8-5 TIME: 4:10
SAMPLE SHIPPED BY: (Circle) FEDEX BUS UPS HAND DELIVERED OTHER: Greyhound AIRBILL #

COMMENTS:
TURNAROUND TIME NEEDED: 8/19/05

RECEIVING LABORATORY: Xenco
ADDRESS:
CITY: Lubbock STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: 8/8/05 TIME: 9:45

WHITE - RECEIVING LAB
YELLOW - RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK - PROJECT MANAGER
GOLD - QA/QC COORDINATOR

SAMPLE CONDITION WHEN RECEIVED: 4°C
LA CONTACT PERSON:
SAMPLE TYPE:

MA

18 samples-HS

Report Date: August 18, 2005
0-0112

Work Order: 5080815
G.L. Erwin

Page Number: 51 of 52

5080815

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc. Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: Cheuron
SITE MANAGER: Cindy Crain
PROJECT NO.: 0-0112
PROJECT NAME: GL ERWIN
PAGE 2 OF 2
LAB PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: CATIONS	ANIONS	TDS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
8/5	1142	✓			MW16 49908	1	1	1	1		
	1200				MW-12 09						
	1230				MW-20 10						
	1252				MW-19 11						
					DUP3 69912						

SAMPLED BY: (Signature) DATE: 8/5/05 TIME: 1430
RELINQUISHED BY: (Signature) DATE: 8/6/05 TIME: 8/5
RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) Helen Skelton DATE: 8/7/05 TIME: 1230
RECEIVED BY: (Signature) DATE: 8/5 TIME: 4:10
SAMPLE SHIPPED BY: (Circle) FEDEX (BUS) UPS AIRBILL # 21-1683197612 HAND DELIVERED OTHER: Greyhound

COMMENTS:
TURNAROUND TIME NEEDED: 8/19/05

RECEIVING LABORATORY: Lubbock
ADDRESS:
CITY: Lubbock STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: 8/8/05 TIME: 9:45

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

SAMPLE CONDITION WHEN RECEIVED: 4°C
LA CONTACT PERSON:
SAMPLE TYPE:

MA

5 samples - HS

Report Date: August 18, 2005
0-0112

Work Order: 5080815
G.L. Erwin

Page Number: 52 of 52

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc.
Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME:	SITE MANAGER:
PROJECT NO.:	PROJECT NAME:
PAGE 1 OF 2	LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
8/4	1240	~			W-MW	1	1		
1	1306				SW-MW	1	1		
1	1323				MW-4	1	1		
1	1345				MW-9	1	1		
1	1400				MW-10	1	1		
1	1445				RW-1	1	1		
1	1510				MW-5	1	1		
1	1530				MW-3	1	1		
1	1602				MW-6	1	1		
8/5	0848				MW-7	1	1		
1	0910				MW-2	1	1		
1	0937				MW-1	1	1		
1	1009				MW-13	1	1		
1	1018				MW-14	1	1		
1	1037				MW-17	1	1		
1	1055				MW-8	1	1		
					DUP	1	1		
1					EB-2	1	1		

SAMPLED BY: (Signature) DATE: 8/4/05 TIME: 1430	RELINQUISHED BY: (Signature) DATE: 8/5 TIME: 1250	RECEIVED BY: (Signature) DATE: TIME:
RELINQUISHED BY: (Signature) DATE: TIME:	RECEIVED BY: (Signature) DATE: TIME:	SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #: HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY:
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: TIME:

SAMPLE CONDITION WHEN RECEIVED:	LA CONTACT PERSON:	SAMPLE TYPE:

CHAIN—OF—CUSTODY RECORD

LA Larson & Associates, Inc.
Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: Chevron

SITE MANAGER: Cindy Crain

PROJECT NO.: 0-0112

PROJECT NAME: GL Ernin

PAGE 2 OF 2

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: CATIONS	PARAMETERS/METHOD NUMBER: ANIONS	PARAMETERS/METHOD NUMBER: TDS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
8/5	1142	✓			MW16	1	1	1	1		
	1200				MW-12	1	1	1	1		
	1230				MW-20	1	1	1	1		
	1252				MW-19	1	1	1	1		
					DUP3	1	1	1	1		

SAMPLED BY: (Signature) DATE: 8/5/05 TIME: 1430

RELINQUISHED BY: (Signature) DATE: TIME:

RECEIVED BY: (Signature) DATE: TIME:

RELINQUISHED BY: (Signature) DATE: TIME:

RECEIVED BY: (Signature) DATE: TIME:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY:
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: TIME:

SAMPLE CONDITION WHEN RECEIVED:

LA CONTACT PERSON:

SAMPLE TYPE:

John R. D Antonio, Jr., P.E.
State Engineer

Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER

Trn Nbr: 172265
File Nbr: CP 00886

Sep. 09, 2004

MARK LARSON
TEXACO EXPLORATION & PROD. INC
P.O. BOX 730
HOBBS, NM 88240-0730

Greetings:

Enclosed is your copy of the above numbered permit which has been approved subject to the conditions set forth on the approval page thereof.

Proof of Completion of Well(s) will be filed in this office after completion and installation of equipment, but in no event later than 09/30/2006. Proof of Completion of Well forms shall be mailed upon request.

Your rights under this permit will expire on 09/30/2006, unless Proof of Completion of Well(s) is filed or an Application for Extension of Time is received in this office on or before that date.

Sincerely,

Johnny R. Hernandez
(505)622-6467

Enclosure
cc: Santa Fe Office

nonappcw

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION TO APPROPRIATE

SPECIFIC CONDITIONS OF APPROVAL

1B Depth of the well shall not exceed the thickness of the Ogallala formation.

5B A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor on or before the 10th of Jan., April, July, and Oct. of each year for the 3 preceeding calendar months.

7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.

C Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.

PCW The Point of Diversion CP 00886 must be completed and the Proof of Completion of Works filed on or before 09/30/2006.

This well shall be located at least 660 feet from all water wells of other ownership.

1. This application is approved as follows:

PERMIT NO: CP-886

SOURCE: Shallow Ground Water

POINT OF DIVERSION:
SW1/4SE1/4 Sec. 35, Twp 24S, Rge 37E, NMPM

PURPOSE OF USE: Environmental Remediation

PLACE OF USE:
SW1/4SE1/4 Sec. 35, Twp 24S, Rge 37E, NMPM

AMOUNT OF WATER:
Up to 6.5 acre-feet per annum for Environmental Remediation purposes.

Revised August 1967

IMPORTANT—READ INSTRUCTIONS ON BACK BEFORE FILLING OUT THIS FORM

2-09704
75.

APPLICATION FOR PERMIT

To ~~Appropriate~~ Divert the Underground Waters of the State of New Mexico

Date Received 11-9-99 File No. CP-886

1. Name of applicant Texaco Exploration and Production, Inc.
   Mailing address P. O. Box 730
   City and State Hobbs, NM 88240-0730
2. Source of water supply Shallow Water Aquifer located in Capitan
   (artesian or shallow water aquifer) (name of underground basin)
3. The well is to be located in the SW ¼ SE ¼ ¼, Section 35 Township 24 South Range 37 East N.M.P.M., or Tract No. of Map No. of the Capitan District, on land owned by Joyce Marie Willis et.ux.
4. Description of well: name of driller RW-1, Scarborough Drilling, Inc., Lamesa, Texas; Outside Diameter of casing 6 inches; Approximate depth to be drilled 73 feet;
5. Quantity of water to be appropriated and beneficially used 6.50 acre feet, (consumptive use, diversion) for Environmental Remediation purposes.
6. Acreage to be irrigated or place of use _____ acres.

Subdivision	Section	Township	Range	Acres	Owner

7. Additional statements or explanations. Pursuant to New Mexico Oil Conservation Division (NMOCD), Environmental Bureau direction and after correspondence between applicant and the Bureau, a plan has been approved to initiate corrective action. The action will include recovering water from said well, equipped with pumping equipment, and disposal of produced water in applicant's injection well.

I, Mark J. Larson (for applicant), affirm that the foregoing statements are true to the best of my knowledge and belief and that development shall not commence until approval of the permit has been obtained.

Texaco Exploration and Production, Inc., Permittee,

By: _____.

VICKIE A. INMAN
Notary Public, State of Texas
My Comm. Expires 4-14-2002

Subscribed and sworn to before me this 26th day of October, A.D., 19 99.

My commission expires 4-14-2002

Vickie A. Inman
Notary Public

T# 173265

Number of this permit _____

ACTION OF STATE ENGINEER

After notice pursuant to statute and by authority vested in me, this application is approved provided it is not exercised to the detriment of any others having existing rights; further provided that all rules and regulations of the State Engineer pertaining to the drilling of _____ wells be complied with; and further subject to the following conditions: _____

see attached conditions of approval

Proof of completion of well shall be filed on or before September 30, 2006, XX

Proof of application of water to beneficial use shall be filed on or before _____, XX.

Witness my hand and seal this 9th day of September, A.D. XXX 2004

John R. D'Antonio, Jr., P.E., State Engineer

By: _____

Art Mason, District II Supervisor

INSTRUCTIONS

This form shall be executed, preferably typewritten, in triplicate and shall be accompanied by a filing fee of $25.00. Each of triplicate copies must be properly signed and attested.

A separate application for permit must be filed for each well used.

Secs. 1–4—Fill out all blanks fully and accurately.

Sec. 5—Irrigation use shall be stated in acre feet of water per acre per annum to be applied on the land. If for municipal or other purposes, state total quantity in acre feet to be used annually.

Sec. 6—Describe only the lands to be irrigated or where water will be used. If on unsurveyed lands describe by legal subdivision "as projected" from the nearest government survey corners, or describe by metes and bounds and tie survey to some permanent, easily located natural object.

Sec. 7—If lands are irrigated from any other source, explain in this section. Give any other data necessary to fully describe water right sought.