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2010 AGWMR

08/16/2011

IR258

Daniel Snyder
Remediation Project Manager

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16 August 2011
Mr. Wayne Price, Environmental Bureau Chief
Oil Conservation Division
1220 South St Francis Dr
Santa Fe, NM 87505

RE: 2010 Annual Groundwater Monitoring Report
Chevron Former New Mexico State "F" Tank Battery Groundwater Site
Lea County, New Mexico

Dear Mr., Price:

Chevron U.S.A Inc, (Chevron) is please to submit the above referenced report for the Former New Mexico State "F" Tank Batter Groundwater Site located in Lea County, New Mexico for the work completed in 2010 by Conestoga-Rovers & Associates (CRA). The Former New Mexico State "F" Tank Battery site is located in NE/4, SE/4, SECTION 24, T-19-S, R-36-E10 in Lea County, New Mexico. The report provides information and details on the quarterly groundwater monitoring and assessment activities.

Should you have any questions regarding the enclosed document, please contact me at (713) 372-1055 or email me at Daniel.Snyder@chevron.com

Respectfully,
Chevron Environmental Management Company on behalf of Chevron U.S.A Inc.

Daniel Snyder

2010 ANNUAL GROUNDWATER MONITORING REPORT

FORMER NEW MEXICO STATE "F" TANK BATTERY
CASE NO. 1R258
OGRID NO. 4323
NE/4, SE/4, SECTION 24, T-19-S, R-36-E
LATITUDE: N 32° 38' 34.9" LONGITUDE: W 103° 18' 0.49"
LEA COUNTY, NEW MEXICO

Prepared For:
Mr. Dan Snyder
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
Upstream Business Unit
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AUGUST 16, 2011
REF. NO. 039122 (7)

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1.0 INTRODUCTION

This Annual Groundwater Monitoring Report presents groundwater data collected during the 2010 reporting period by Conestoga-Rovers & Associates (CRA) on behalf of Chevron Environmental Management Company (CEMC) at the former New Mexico State "F" Tank Battery (hereafter referred to as the "Site"). Groundwater gauging and sampling events were performed in March, June, September and November 2010.

The Site is located on Lea County Road 41 (Maddox Road), approximately 3.1 miles northwest of Monument, New Mexico and situated in the northeast quarter (NE/4) of the southeast quarter (SE/4), Section 24, Township 19 South, Range 36 East, Lea County, New Mexico. Site Location and Site Details maps are illustrated on FIGURES 1 and 2, respectively. Historically, Texaco Exploration and Production, Inc. (Texaco) operated the Site as an oil field tank battery. An earthen emergency reserve pit was located approximately 175 feet north of the tank battery. The tank battery and reserve pit are visible in aerial photographs dated February 1949, July 1983, and June 1986. Sometime after 1986, the tank battery and associated equipment were removed from the Site. The former reserve pit was subsequently unearthed during construction of a production facility immediately south of the pit by the Amerada-Hess Corporation.

The former pit was excavated and approximately 7,400 cubic yards of soil and caliche rock were stockpiled adjacent to the excavated pit. In 1998, Highlander Environmental Corporation (Highlander) performed a subsurface assessment at the Site. The assessment activities included collection of soil samples from the sidewalls and bottom of the excavation and from the stockpiled soil generated during excavation activities. Chemical analyses of the soil samples confirmed that concentrations of all constituents of concern were below the New Mexico Oil Conservation Division (NMOCD) recommended remediation action levels for the Site. The soil sampling activities and laboratory analyses are documented in the *Subsurface Investigation Report, New Mexico "F" State Tank Battery, Lea County, New Mexico* (Highlander, September 1998). The *Annual Groundwater Monitoring Report, New Mexico "F" State Tank Battery, Lea County, New Mexico* (Larson and Associates, Inc., 2005) indicates that the pit was closed between September 1998 and November 2003 according to closure requirements stipulated by the NMOCD in correspondence dated January 20, 1999. The bottom of the excavated pit was lined with two feet of compacted clay, the stockpiled soil was returned to the excavation and the backfilled excavation was contoured to natural grade.

In addition to the soil assessment activities, nine monitor wells (MW-1 through MW-9) were installed at the Site between 1998 and 1999. Light non-aqueous phase liquid (LNAPL) was observed in wells MW-1 and MW-2. In November 1999, monitor wells (MW-1, MW-2 and MW-9) were plugged and abandoned and replaced with recovery

wells (RW-1, RW-2 and RW-3). On February 17, 2003, New Mexico Office of the State Engineer (NMOSE) approved applications (File No. L-11029, L-11030 and L-11031) submitted by Texaco to divert underground water for remediation of LNAPL. The remediation system was installed from October 2004 through February 2005 and was activated on February 14, 2005. Excluding brief periods for routine maintenance, the groundwater recovery/gradient control system operated from February 14, 2005 to November 20, 2006. In November 2006, LNAPL recovery methods were re-evaluated and the total fluids groundwater recovery/gradient control system was shut down. An LNAPL skimmer pump system was installed in RW-1 and absorbent socks were installed in RW-2 and RW-3 on November 28, 2006. This system is currently in operation at the Site. Semi-annual groundwater monitoring and weekly operation and maintenance (O&M) activities have been performed by CRA since 2005 along with annual reporting to the NMOCD for this Site. In addition, quarterly gauging and groundwater monitoring activities were performed in 2010 at the Site.

2.0 REGULATORY FRAMEWORK

The NMOCD guidelines require groundwater to be analyzed for potential contaminants as defined by the New Mexico Water Quality Control Commission (NMWQCC) regulations. In addition, the NMWQCC regulations provide the Human Health Standards for Groundwater. The constituent of concern in affected groundwater at the Site is LNAPL in the form of crude oil. In this report, groundwater analytical results for benzene, toluene, ethylbenzene, total xylenes (BTEX) and chloride are compared to the NMWQCC standards as shown in the following table:

Analyte	NMWQCC Standard for Groundwater (mg/L)
Benzene[1]	0.01
Toluene[1]	0.75
Ethylbenzene[1]	0.75
Total xylenes[1]	0.62
Chloride[2]	250

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

3.0 GROUNDWATER SAMPLING AND ANALYSIS

The Site is monitored with a network of six monitor wells (MW-3, MW-4, MW-5, MW-6, MW-7 and MW-8), two offsite water wells (WW-1 and WW-2) and three recovery wells (RW-1, RW-2 and RW-3). Four quarterly monitoring and sampling events were performed during the 2010 calendar year. The first (March) and third (September) quarter 2010 events included the collection of static fluid levels and LNAPL thicknesses (if present) in the six monitor wells and the three recovery wells and the collection of a groundwater sample from a single monitor well (MW-6). The second (June) and fourth (November) quarter 2010 events included the collection of static fluid levels and LNAPL thicknesses (if present) in the six monitor wells and the three recovery wells and the collection of groundwater samples from all six monitor wells and the two offsite water wells. Static fluid levels were not collected from the two offsite water wells (WW-1 and WW-2) during the 2010 calendar year.

The first and third quarter monitoring and sampling activities were performed on March 23, 2010 and September 22, 2010. The second and fourth quarter monitoring and sampling activities were performed on June 29-July 1, 2010 and November 8-9, 2010. Prior to purging, static fluid levels and LNAPL thicknesses were measured from top of casing (TOC) with an electric interface probe to the nearest hundredth of a foot and recorded. Purging was considered complete when three well volumes had been removed or the wells were purged dry. Geochemical field parameters including pH, temperature and conductivity were collected during the purging/sampling process. All non-disposable groundwater sampling equipment was decontaminated with a soap (Liquinox®) and potable water wash, a potable water rinse and a final deionized water rinse to minimize potential cross-contamination between each monitor well. Subsequent to the purging process, groundwater samples were collected using clean, disposable PVC bailers. Laboratory-supplied sample containers were then filled directly from the disposable PVC bailers.

Wells that contained measurable (>0.01 foot) LNAPL were not purged or sampled during the March, September and November 2010 sampling events. During the June 2010 sampling event, all wells were purged and sampled, including wells that contained measurable LNAPL (>0.01 foot). In June 2010, recovery well RW-1 was sampled by dropping a disposable PVC bailer below 3.18-feet of LNAPL and recovery well RW-2 was sampled by dropping a disposable PVC bailer below 0.14-feet of LNAPL. The groundwater samples were placed on ice in an insulated cooler 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 (ALS Laboratory Group located in Houston, Texas) for analyses of BTEX by EPA Method 8021B and chlorides by EPA-approved methods. The fluids recovered and generated during the sampling events were containerized onsite in labeled drums and

subsequently managed at an NMOCD-permitted salt water disposal (SWD) facility by Nabors Well Services LTD. (Nabors).

3.1 POTENTIOMETRIC SURFACE ELEVATION AND GRADIENT

Groundwater elevation data are presented in TABLE I. Groundwater gradient maps for each quarterly event (March, June, September and November 2010) are presented on FIGURES 3, 4, 5 and 6 respectively. Depth to groundwater ranged from 51.16 feet to 65.69 feet below TOC on March 23, 2010, from 51.10 feet to 66.69 feet below TOC on June 29, 2010, from 51.22 feet to 66.72 feet below TOC on September 22, 2010 and from 50.65 feet to 65.75 feet below TOC on November 8, 2010. Groundwater elevations at the Site appear to be consistent with historical levels with groundwater flow to the southeast. The maximum gradient observed during the 2010 calendar year was 0.011 feet/foot.

LNAPL was not detected in the monitor wells during the 2010 monitoring period. Historically, three onsite recovery wells have contained measurable amounts of LNAPL. LNAPL was present in recovery well (RW-1) with a thickness of 2.71 feet in March 2010, 3.18 feet in June 2010, 2.40 feet in September 2010 and 2.77 feet in November 2010. Recovery well (RW-2) had 0.14 feet of LNAPL present during the June event and 0.01 feet of LNAPL during the November event. Recovery well (RW-3) had 0.01 feet of LNAPL present during the November event. LNAPL thickness maps for March, June, September and November 2010 are presented as FIGURES 7, 8, 9 and 10 respectively.

3.2 ANALYTICAL RESULTS

Analytical results are summarized in TABLE II. Groundwater BTEX and chloride concentration maps for March, July, September and November 2010 are presented as FIGURES 11, 12, 13 and 14 respectively. BTEX and chloride concentrations were below the NMWQCC standards in all samples collected from the monitor wells and offsite water wells (WW-1 and WW-2) during the 2010 monitoring period except for recovery well (RW-1). In July 2010, recovery well (RW-1) exhibited a benzene concentration of 0.022 mg/L. RW-1 was sampled by lowering a pump below the product level to collect the sample. In July, 2010, recovery well RW-1 was sampled by dropping a disposable PVC bailer below 3.18-feet of LNAPL.

Overall precision for both the sample collection and laboratory procedures were monitored using the results of the field duplicate samples. The relative percent differences (RPDs) between the results for the duplicate samples must be less than 30 percent for groundwater based on TCEQ "Review and Reporting of COC Concentration Data," RG-366/TRRP-13. One duplicate sample was collected during the July and November events, and the results are summarized on TABLE III. All duplicate RPDs were within the 30 percent criterion. Copies of the certified analytical reports and chain-of-custody documentation are attached in APPENDIX A.

4.0 CORRECTIVE ACTION

Excluding brief periods for routine maintenance, the Xitech® LNAPL skimmer pump system installed in RW-1 operated continuously from January to December 2010. The best course of action for the two other recovery wells (RW-2 and RW-3) was determined to be absorbent socks based on trace amounts of LNAPL observed in both wells.

Operation and maintenance (O&M) activities were performed on a weekly basis. Approximately 342 gallons of LNAPL were recovered in 2010 from RW-1. Additionally, approximately 1132 gallons of LNAPL have been recovered since November 28, 2006 when the skimmer system was installed in recovery well (RW-1).

5.0 PLANNED ACTIVITIES

The Xitech® skimmer pump system will continue to be utilized for LNAPL recovery at the Site in 2011. The recovered product will be pumped into the 225-gallon tank which is situated inside a secondary containment structure.

Quarterly groundwater sampling events are scheduled to be performed during March, June, September, and November 2011. Groundwater samples will be collected from all wells that do not contain measurable LNAPL and from the two offsite water wells (WW-1 and WW-2) during the semi-annual groundwater sampling events. Wells that contain measurable LNAPL will be sampled during the June 2011 sampling event. In addition, quarterly gauging and monitor well (MW-6) sampling activities will be performed to monitor the groundwater gradient and the potential for offsite plume migration. Weekly O&M activities will also be performed to monitor the performance of the LNAPL recovery system and to periodically replace the absorbent socks in the other two recovery wells (RW-2 and RW-3) as necessary.

6.0 SUMMARY OF FINDINGS

Based on groundwater monitoring activities performed at the Site, CRA presents the following summary:

- The Site is monitored quarterly with a network of six monitor wells (MW-3, MW-4, MW-5, MW-6, MW-7 and MW-8), three recovery wells (RW-1, RW-2 and RW-3) and two offsite water wells (WW-1 and WW-2). Depth to groundwater ranged from 51.16 feet to 65.69 feet below TOC on March 23, 2010, from 51.10 feet to 66.69 feet below TOC on June 29, 2010, from 51.22 feet to 66.72 feet below TOC on September 22, 2010 and from 50.65 feet to 65.75 feet below TOC on November 8, 2010. Groundwater elevations at the Site appear to be consistent with historical levels with groundwater flow to the southeast. The maximum gradient observed during the 2010 calendar year was 0.011 feet/foot.

- LNAPL was not detected in the monitor wells during the 2010 monitoring period. Historically, three onsite recovery wells have contained measurable amounts of LNAPL. LNAPL was present in recovery well (RW-1) with a thickness of 2.71 feet in March 2010, 3.18 feet in June 2010, 2.40 feet in September 2010 and 2.77 feet in November 2010. Recovery well (RW-2) had 0.14 feet of LNAPL present during the June event and 0.01 feet of LNAPL during the November event. Recovery well (RW-3) had 0.01 feet of LNAPL present during the November event.

- BTEX and chloride concentrations were below the NMWQCC standards in all samples collected from the monitor wells and offsite water wells (WW-1 and WW-2) during the 2010 monitoring period. However, recovery well (RW-1) exhibited a benzene concentration above NMWQCC standards during the July 2010 sampling event. In July, 2010, recovery well RW-1 was sampled by dropping a disposable PVC bailer below 3.18-feet of LNAPL.

- The Xitech® LNAPL skimmer pump system in recovery well (RW-1) operated continuously from January to December 2010. Approximately 342 gallons of LNAPL were recovered in 2010 from recovery well (RW-1). Additionally, approximately 1132 gallons of LNAPL have been recovered since November 28, 2006 when the skimmer system was installed in recovery well (RW-1).

- The quarterly groundwater sampling events are scheduled to be performed during March, June, September, and November 2011. Groundwater samples will be collected from all wells that do not contain measurable LNAPL and from the two offsite water wells (WW-1 and WW-2) during the semi-annual sampling events. The wells that contain measurable LNAPL will be sampled during the June 2011 sampling event. In addition, quarterly gauging and monitor well (MW-6) sampling activities will be

performed to monitor the groundwater gradient and the potential for offsite plume migration. Weekly O&M activities will be performed to monitor the performance of the LNAPL recovery system and to periodically replace the absorbent socks in the other two recovery wells (RW-2 and RW-3) as necessary.

- The extent of hydrocarbon-impacted groundwater at this location are defined and the plume is stable based on numerous quarterly groundwater sampling events. Removal of LNAPL from RW-1 has been successful. A more aggressive approach, including the installation of an additional recovery well and the performance of mobile dual-phase extraction events (MDPE), are planned in 2011 in efforts to better enhance LNAPL recovery and to move the project closer toward closure.

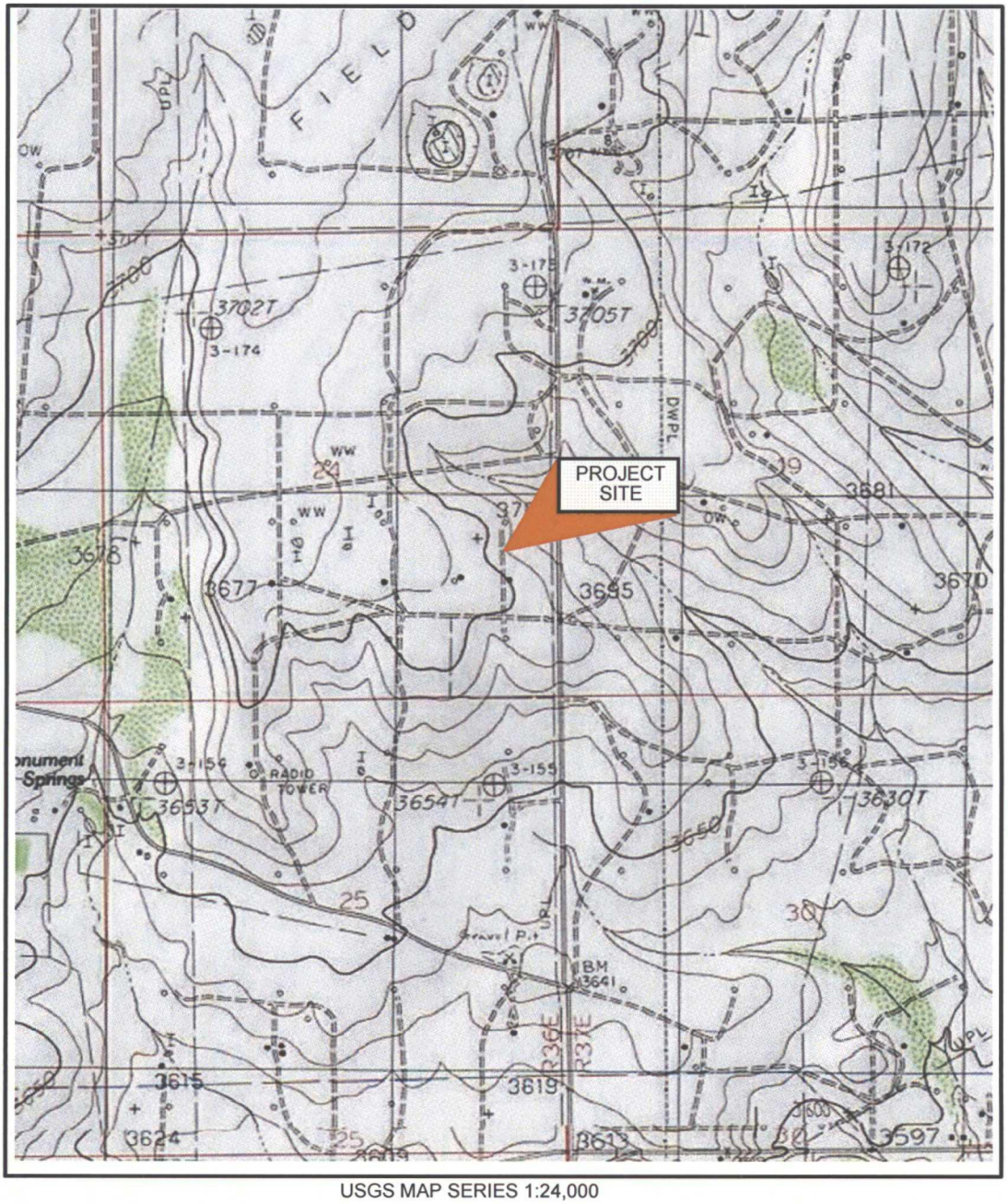
All of Which is Respectfully Submitted,
Conestoga - Rovers & Associates

Desireé Crenshaw
Project Manager

Thomas C. Larson
Operations Manager

MONUMENT NORTH QUADRANGLE
NEW MEXICO

LAT= 32° 38' 34.59" N
LONG= 103° 18' 4.74" W
PHOTOREVISED 1985



USGS MAP SERIES 1:24,000

0 1/2 1 2
(Miles)

0 2000 4000 6000 8000
(Feet)

CONTOUR INTERVAL 10 FEET

NORTH

figure 1

SITE LOCATION MAP
NEW MEXICO "F" STATE
GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

039122-10(007)GN-BR001 June 13/2011

RE: 2009 NAIP Aerial Photograph

LEGEND

- MONITOR WELL
- RECOVERY WELL
- WATER WELL
- FENCE LINE

figure 2

SITE DETAILS MAP
NEW MEXICO "F" STATE
GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

039122-10(007)GN-BR001 JUN 23/2011

figure 3

GROUNDWATER GRADIENT MAP - MARCH 2010
NEW MEXICO "F" STATE
GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

039122-10(007)GN-BR001 JUN 23/2011

figure 4

GROUNDWATER GRADIENT MAP - JUNE 2010
NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

039122-10(007)GN-BR001 June 13/2011

figure 5

GROUNDWATER GRADIENT MAP - SEPTEMBER 2010
NEW MEXICO "F" STATE
GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

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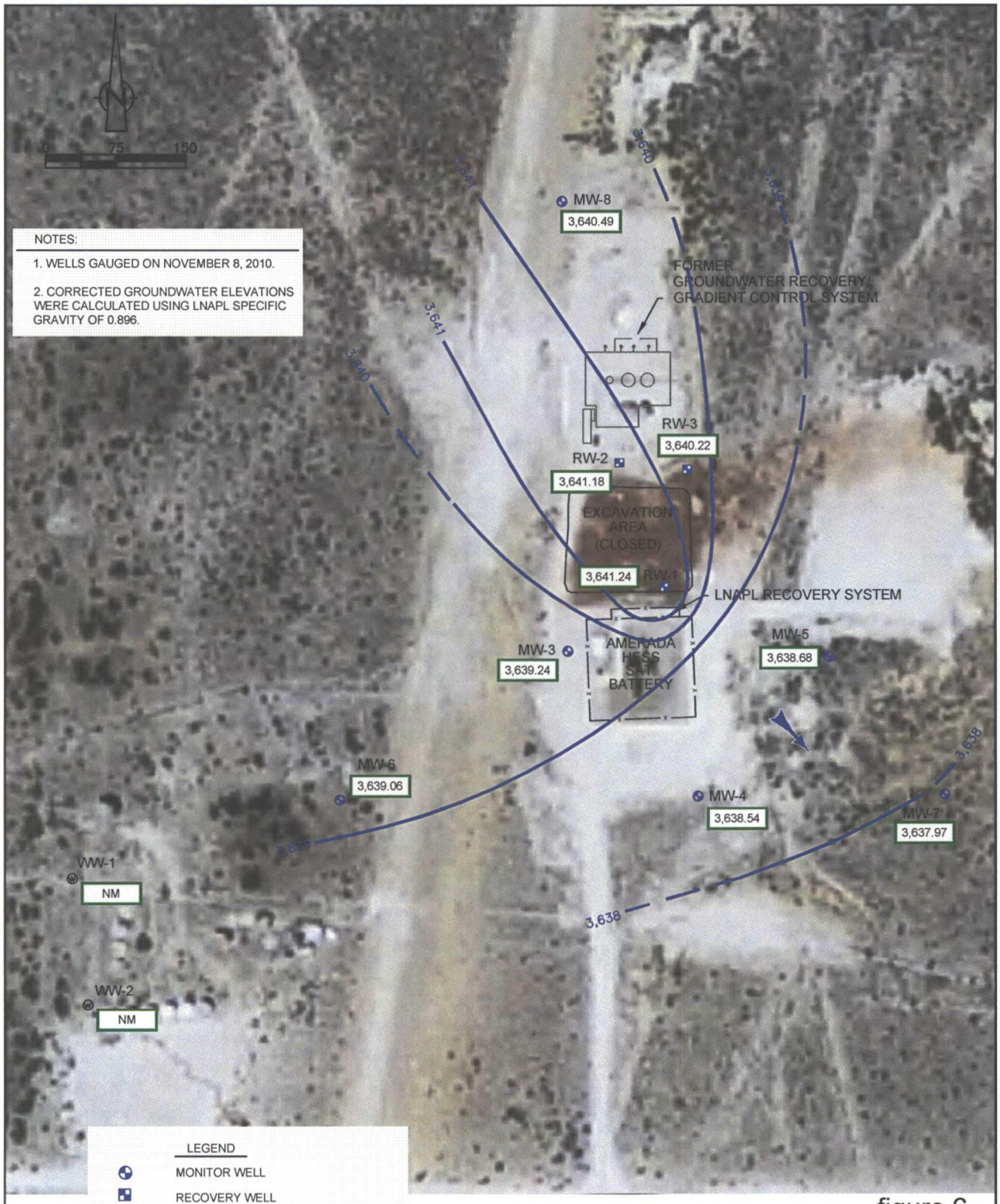

figure 6

GROUNDWATER GRADIENT MAP - NOVEMBER 2010
NEW MEXICO "F" STATE
GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

039122-10(007)GN-BR001 JUN 23/2011

figure 7

LNAPL THICKNESS MAP - MARCH 2010
NEW MEXICO "F" STATE
GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

039122-10(007)GN-BR001 JUN 23/2011

figure 8

LNAPL THICKNESS MAP - JUNE 2010
NEW MEXICO "F" STATE
GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

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figure 9

LNAPL THICKNESS MAP - SEPTEMBER 2010
NEW MEXICO "F" STATE
GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

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figure 10

LNAPL THICKNESS MAP - NOVEMBER 2010
NEW MEXICO "F" STATE
GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

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figure 11

GROUNDWATER BTEX AND CHLORIDE CONCENTRATIONS MAP - MARCH 2010
NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO
Chevron Environmental Management Company

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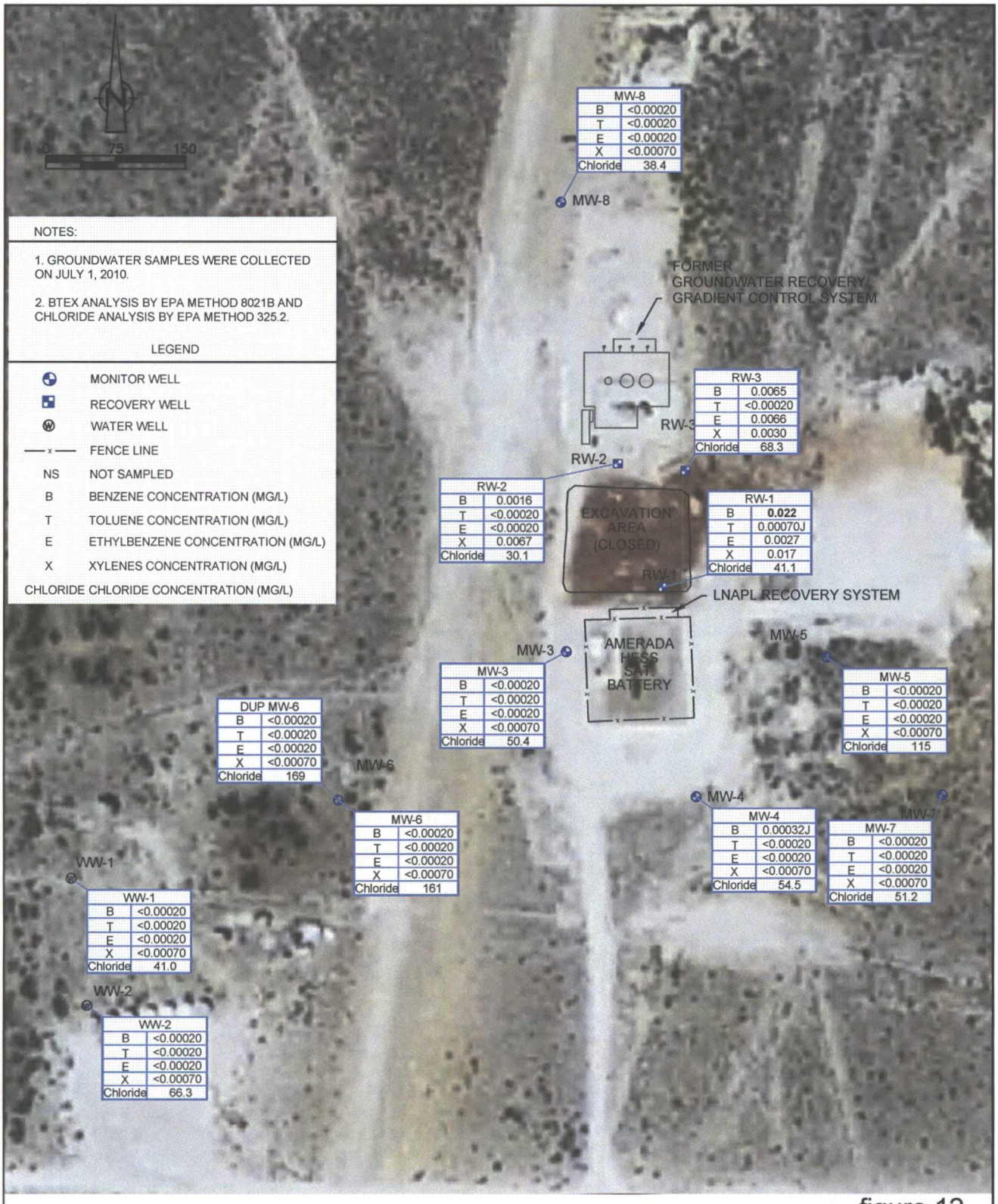

figure 12

GROUNDWATER BTEX AND CHLORIDE CONCENTRATIONS MAP - JULY 2010

NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT

LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

CRA

039122-10(007)GN-BR001 JUN 23/2011

figure 13

GROUNDWATER BTEX AND CHLORIDE CONCENTRATIONS MAP - SEPTEMBER 2010
NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

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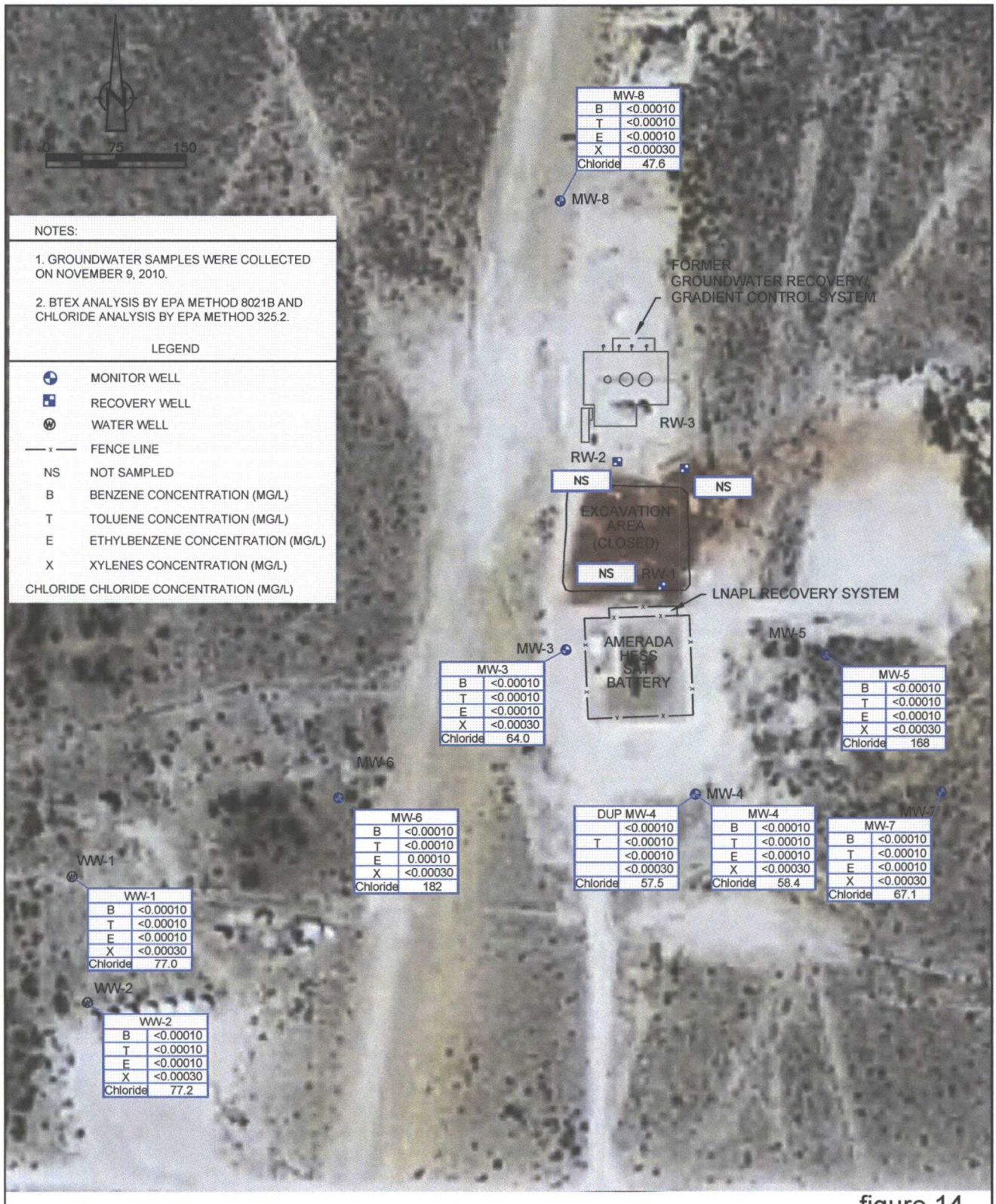

figure 14

GROUNDWATER BTEX AND CHLORIDE CONCENTRATIONS MAP - NOVEMBER 2010
NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

Chevron Environmental Management Company

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TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW-3	7/28/98	59.53	---	---	3637.32	70.15	55 - 75
3696.85	6/25/99	59.06	---	---	3637.79	---	---
	2/16/01	59.53	---	---	3637.32	---	---
	6/11/02	59.18	---	---	3637.67	---	---
	11/26/02	59.54	---	---	3637.31	---	---
	6/5/03	59.45	---	---	3637.40	---	---
	12/3/03	59.47	---	---	3637.38	---	---
	7/1/04	59.24	---	---	3637.61	---	---
	12/20/04	58.83	---	---	3638.02	---	---
	6/6/05	58.53	---	---	3638.32	---	---
	12/12/05	57.83	---	---	3639.02	---	---
	1/25/06	57.85	---	---	3639.00	---	---
	5/1/06	57.59	---	---	3639.26	---	---
	6/26/06	57.66	---	---	3639.19	---	---
	12/18/06	57.54	---	---	3639.31	---	---
	3/16/07	57.43	---	---	3639.42	---	---
	6/26/07	57.31	---	---	3639.54	---	---
	9/27/07	57.89	---	---	3638.96	---	---
	12/13/07	57.61	---	---	3639.24	---	---
	3/6/08	57.70	—	—	3639.15	—	—
	6/4/08	57.33	—	—	3639.52	—	—
	9/4/08	57.45	—	—	3639.40	—	—
	11/13/08	57.26	—	—	3639.59	—	—
	3/5/09	57.65	—	—	3639.20	—	—
	6/15/09	57.40	—	—	3639.45	—	—
	9/9/09	57.64	—	—	3639.21	—	—
	11/19/09	57.59	—	—	3639.26	—	—
	3/23/10	57.60	—	—	3639.25	—	—
	6/29/10	58.34	—	—	3638.51	—	—
	9/22/10	58.35	—	—	3638.50	—	—
	11/8/10	57.61	—	—	3639.24	—	—
MW-4	7/28/98	69.72	---	---	3629.78	68.74	55 - 75
3699.50	6/25/99	62.31	---	---	3637.19	---	---
	2/16/01	62.52	---	---	3636.98	---	---
	6/11/02	62.39	---	---	3637.11	---	---
	11/26/02	62.76	---	---	3636.74	---	---
	6/5/03	62.71	---	---	3636.79	---	---
	12/3/03	62.67	---	---	3636.83	---	---
	7/1/04	62.43	---	---	3637.07	---	---
	12/20/04	62.02	---	---	3637.48	---	---
	6/6/05	61.67	---	---	3637.83	---	---

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
	12/12/05	61.11	---	---	3638.39	---	---
MW-4	1/25/06	61.11	---	---	3638.39	---	---
(cont)	5/1/06	60.89	---	---	3638.61	---	---
	6/26/06	60.93	---	---	3638.57	---	---
	12/18/06	60.79	---	---	3638.71	---	---
	3/16/07	60.72	---	---	3638.78	---	---
	6/26/07	60.60	---	---	3638.90	---	---
	9/27/07	61.02	---	---	3638.48	---	---
	12/13/07	60.88	---	---	3638.62	---	---
	3/6/08	60.96	—	—	3638.54	—	—
	6/4/08	60.65	—	—	3638.85	—	—
	9/4/08	60.75	—	—	3638.75	—	—
	11/13/08	60.61	—	—	3638.89	—	—
	3/5/09	60.75	—	—	3638.75	—	—
	6/15/09	60.70	—	—	3638.80	—	—
	9/9/09	60.89	—	—	3638.61	—	—
	11/19/09	60.83	—	—	3638.67	—	—
	3/23/10	60.91	—	—	3638.59	—	—
	6/29/10	61.54	—	—	3637.96	—	—
	9/22/10	61.53	—	—	3637.97	—	—
	11/8/10	60.96	—	—	3638.54	—	—
MW-5	7/28/98	56.53	---	---	3636.99	66.80	48 - 68
3693.52	3/23/99	56.30	---	---	3637.22	---	---
	6/25/99	56.21	---	---	3637.31	---	---
	2/16/01	56.31	---	---	3637.21	---	---
	6/11/02	56.29	---	---	3637.23	---	---
	11/26/02	56.13	---	---	3637.39	---	---
	6/5/03	56.53	---	---	3636.99	---	---
	12/3/03	56.57	---	---	3636.95	---	---
	7/1/04	54.34	---	---	3639.18	---	---
	12/20/04	55.86	---	---	3637.66	---	---
	6/6/05	55.60	---	---	3637.92	---	---
	12/12/05	55.04	---	---	3638.48	---	---
	1/25/06	55.07	---	---	3638.45	---	---
	5/1/06	54.87	---	---	3638.65	---	---
	6/26/06	54.86	---	---	3638.66	---	---
	12/18/06	54.61	---	---	3638.91	---	---
	3/16/07	54.51	---	---	3639.01	---	---
	6/26/07	54.49	---	---	3639.03	---	---
	9/27/07	54.84	---	---	3638.68	---	---
	12/13/07	54.74	---	---	3638.78	---	---
	3/6/08	54.77	—	—	3638.75	—	—

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW-5	6/4/08	54.58	—	—	3638.94	—	—
(cont)	9/4/08	54.68	—	—	3638.84	—	—
	11/13/08	54.57	—	—	3638.95	—	—
	3/5/09	54.70	—	—	3638.82	—	—
	6/15/09	54.69	—	—	3638.83	—	—
	9/9/09	54.86	—	—	3638.66	—	—
	11/19/09	54.81	—	—	3638.71	—	—
	3/23/10	54.80	—	—	3638.72	—	—
	6/29/10	55.38	—	—	3638.14	—	—
	9/22/10	55.40	—	—	3638.12	—	—
	11/8/10	54.84	—	—	3638.68	—	—
MW-6	7/28/98	67.86	---	---	3636.95	78.25	56 - 76
3704.81	6/25/99	67.25	---	---	3637.56	---	---
	2/16/01	67.45	---	---	3637.36	---	---
	6/11/02	67.19	---	---	3637.62	---	---
	11/26/02	67.09	---	---	3637.72	---	---
	6/5/03	67.57	---	---	3637.24	---	---
	12/3/03	67.61	---	---	3637.20	---	---
	7/1/04	67.43	---	---	3637.38	---	---
	12/20/04	67.55	---	---	3637.26	---	---
	6/6/05	66.41	---	---	3638.40	---	---
	12/12/05	65.80	---	---	3639.01	---	---
	1/25/06	65.88	---	---	3638.93	---	---
	5/1/06	65.57	---	---	3639.24	---	---
	6/26/06	65.82	---	---	3638.99	---	---
	12/18/06	65.67	---	---	3639.14	---	---
	3/16/07	65.69	---	---	3639.12	---	---
	6/26/07	65.41	---	---	3639.40	---	---
	9/27/07	66.46	---	---	3638.35	---	---
	12/13/07	65.85	---	---	3638.96	---	---
	3/6/08	65.68	—	—	3639.13	—	—
	6/4/08	65.39	—	—	3639.42	—	—
	9/4/08	65.56	—	—	3639.25	—	—
	11/13/08	65.32	—	—	3639.49	—	—
	3/5/09	65.88	—	—	3638.93	—	—
	6/15/09	65.38	—	—	3639.43	—	—
	9/9/09	65.67	—	—	3639.14	—	—
	11/19/09	65.70	—	—	3639.11	—	—
	3/23/10	65.69	—	—	3639.12	—	—
	6/29/10	66.69	—	—	3638.12	—	—
	9/22/10	66.72	—	—	3638.09	—	—
	11/8/10	65.75	—	—	3639.06	—	—

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FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW-7	7/28/98	58.08	---	---	3636.50	68.88	49 - 69
3694.58	6/25/99	57.96	---	---	3636.62	---	---
	2/16/01	58.09	---	---	3636.49	---	---
	6/11/02	58.07	---	---	3636.51	---	---
	11/26/02	57.92	---	---	3636.66	---	---
	6/5/03	58.29	---	---	3636.29	---	---
	12/3/03	58.33	---	---	3636.25	---	---
	7/1/04	58.11	---	---	3636.47	---	---
	12/20/04	57.62	---	---	3636.96	---	---
	6/6/05	57.28	---	---	3637.30	---	---
	12/12/05	56.84	---	---	3637.74	---	---
	1/25/06	56.86	---	---	3637.72	---	---
	5/1/06	56.69	---	---	3637.89	---	---
	6/26/06	56.66	---	---	3637.92	---	---
	12/18/06	56.40	---	---	3638.18	---	---
	3/16/07	56.28	---	---	3638.30	---	---
	6/26/07	56.29	---	---	3638.29	---	---
	9/27/07	56.59	---	---	3637.99	---	---
	12/13/07	56.51	---	---	3638.07	---	---
	3/6/08	56.56	—	—	3638.02	—	—
	6/4/08	56.38	—	—	3638.20	—	—
	9/4/08	56.49	—	—	3638.09	—	—
	11/13/08	56.40	—	—	3638.18	—	—
	3/5/09	56.48	—	—	3638.10	—	—
	6/15/09	56.51	—	—	3638.07	—	—
	9/9/09	56.64	—	—	3637.94	—	—
	11/19/09	56.59	—	—	3637.99	—	—
	3/23/10	56.63	—	—	3637.95	—	—
	6/29/10	57.13	—	—	3637.45	—	—
	9/22/10	57.15	—	—	3637.43	—	—
	11/8/10	56.61	—	—	3637.97	—	—
MW-8	7/28/98	56.84	---	---	3638.77	66.91	46 - 66
3694.58	6/25/99	56.56	---	---	3639.05	---	---
	2/16/01	56.49	---	---	3639.12	---	---
	6/11/02	56.56	---	---	3639.05	---	---
	11/26/02	56.88	---	---	3638.73	---	---
	6/5/03	56.89	---	---	3638.72	---	---
	12/3/03	56.91	---	---	3638.70	---	---
	7/1/04	56.70	---	---	3638.91	---	---
	12/20/04	56.23	---	---	3639.38	---	---
	6/6/05	55.86	---	---	3639.75	---	---

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CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
MW-8	12/12/05	55.29	---	---	3640.32	---	---
(cont)	1/25/06	55.30	---	---	3640.31	---	---
	5/1/06	55.03	---	---	3640.58	---	---
	6/26/06	54.96	---	---	3640.65	---	---
	12/18/06	54.80	---	---	3640.81	---	---
	3/16/07	54.68	---	---	3640.93	---	---
	6/26/07	54.67	---	---	3640.94	---	---
	9/27/07	54.95	---	---	3640.66	---	---
	12/13/07	54.82	---	---	3640.79	---	---
	3/6/08	54.82	—	—	3640.79	—	—
	6/4/08	54.70	—	—	3640.91	—	—
	9/4/08	54.77	—	—	3640.84	—	—
	11/13/08	54.73	—	—	3640.88	—	—
	3/5/09	55.05	—	—	3640.56	—	—
	6/15/09	54.96	—	—	3640.65	—	—
	9/9/09	55.14	—	—	3640.47	—	—
	11/19/09	55.12	—	—	3640.49	—	—
	3/23/10	55.16	—	—	3640.45	—	—
	6/29/10	55.66	—	—	3639.95	—	—
	9/22/10	55.65	—	—	3639.96	—	—
	11/8/10	55.12	—	—	3640.49	—	—
RW-1	11/3/99	62.17	---	---	3637.75	71.60	55 - 75
3699.92	2/16/01	62.37	62.33	0.04	3637.59	---	---
	6/11/02	62.26	61.86	0.40	3638.01	---	---
	11/26/02	62.60	62.07	0.53	3637.79	---	---
	6/5/03	63.00	62.84	0.16	3637.06	---	---
	12/3/03	63.26	62.61	0.65	3637.23	---	---
	7/1/04	63.10	62.33	0.77	3637.50	---	---
	12/20/04	61.80	60.96	0.84	3638.86	---	---
	3/1/05	Start-up groundwater extraction system				---	---
	1/25/06	61.44	58.67	2.77	3640.92	---	---
	5/1/06	61.56	58.38	3.18	3641.16	---	---
	6/26/06	61.59	58.43	3.16	3641.11	---	---
	11/21/06	59.87	58.72	1.15	3641.06	---	---
	11/28/06	Installed skimmer pump system					
	11/28/06	60.96	58.32	2.64	3641.28	---	---
	12/4/06	60.35	58.30	2.05	3641.37	---	---
	12/15/06	58.75	58.48	0.27	3641.41	---	---
	12/18/06	58.78	58.55	0.23	3641.34	---	---
	1/5/07	60.54	58.19	2.35	3641.49	---	---
	2/2/07	59.00	58.51	0.49	3641.36	---	---

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CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
RW-1	2/9/07	58.52	58.36	0.16	3641.54	---	---
(cont)	2/23/07	58.62	58.25	0.37	3641.63	---	---
	3/2/07	59.78	58.18	1.60	3641.58	---	---
	3/8/07	58.55	58.23	0.32	3641.66	---	---
	3/16/07	58.74	58.30	0.44	3641.57	---	---
	3/23/07	58.81	58.31	0.50	3641.56	---	---
	3/28/07	58.48	58.24	0.24	3641.66	---	---
	4/4/07	58.69	58.48	0.21	3641.42	---	---
	5/23/07	58.95	58.48	0.47	3641.39	---	---
	6/20/07	59.09	58.50	0.59	3641.36	---	---
	6/26/07	58.52	58.37	0.15	3641.53	---	---
	7/2/07	58.69	58.29	0.40	3641.59	---	---
	9/13/07	60.18	58.66	1.52	3641.10	---	---
	9/17/07	59.18	58.65	0.53	3641.22	---	---
	9/27/07	59.40	58.72	0.68	3641.13	---	---
	11/16/07	58.52	58.35	0.17	3641.55	---	---
	12/13/07	60.90	58.44	2.46	3641.23	---	---
	3/6/08	59.24	58.76	0.48	3641.11	—	—
	4/1/08	59.27	58.70	0.57	3641.16	—	—
	5/6/08	59.31	58.73	0.58	3641.13	—	—
	6/4/08	59.37	58.59	0.78	3641.25	—	—
	6/25/08	58.51	58.40	0.11	3641.51	—	—
	7/15/08	58.92	58.46	0.46	3641.41	—	—
	8/19/08	58.80	58.52	0.28	3641.37	—	—
	9/4/08	58.82	58.51	0.31	3641.38	—	—
	9/15/08	60.56	58.43	2.13	3641.27	—	—
	10/1/08	60.38	58.45	1.93	3641.27	—	—
	10/16/08	60.80	58.41	2.39	3641.26	—	—
	11/13/08	60.59	58.10	2.49	3641.56	—	—
	12/17/08	60.48	58.47	2.01	3641.24	—	—
	1/13/09	60.38	58.18	2.20	3641.51	—	—
	1/21/09	58.93	58.47	0.46	3641.40	—	—
	1/28/09	60.85	58.30	2.55	3641.36	—	—
	2/3/09	59.16	58.67	0.49	3641.20	—	—
	3/5/09	60.82	58.50	2.32	3641.18	—	—
	3/20/09	60.60	58.40	2.20	3641.29	—	—
	4/22/09	58.89	58.64	0.25	3641.25	—	—
	6/3/09	60.95	58.48	2.47	3641.19	—	—
	6/11/09	58.80	58.54	0.26	3641.35	—	—
	6/15/09	60.65	58.28	2.37	3641.40	—	—
	7/6/09	60.90	58.30	2.60	3641.35	—	—
	8/12/09	61.39	58.59	2.80	3641.04	—	—

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LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
RW-1	9/9/09	60.77	58.50	2.27	3641.19	—	—
(cont)	9/23/09	61.22	58.45	2.77	3641.18	—	—
	10/7/09	60.84	58.51	2.33	3641.17	—	—
	11/4/09	60.59	58.51	2.08	3641.20	—	—
	11/19/09	58.96	58.63	0.33	3641.26	—	—
	1/6/10	61.02	58.50	2.52	3641.16	—	—
	1/27/10	59.48	58.62	0.86	3641.21	—	—
	2/26/10	61.45	58.84	2.61	3640.81	—	—
	3/23/10	61.51	58.80	2.71	3640.84	—	—
	4/28/10	60.80	59.00	1.80	3640.73	—	—
	6/22/10	59.53	59.24	0.29	3640.65	—	—
	6/29/10	62.18	59.00	3.18	3640.59	—	—
	8/10/10	62.09	59.03	3.06	3640.57	—	—
	9/8/10	50.50	---	---	3649.42	—	—
	9/15/10	59.58	58.60	0.98	3641.22	—	—
	9/22/10	60.80	58.40	2.40	3641.27	—	—
	11/8/10	61.16	58.39	2.77	3641.24	—	—
RW-2	10/14/99	53.28	---	---	3638.84	67.55	47 - 67
3692.12	11/3/99	53.95	---	---	3638.17	---	---
	2/16/01	54.01	---	---	3638.11	---	---
	6/11/02	54.01	53.98	0.03	3638.14	---	---
	11/26/02	54.28	54.07	0.21	3638.02	---	---
	6/5/03	53.24	53.23	0.01	3638.89	---	---
	12/3/03	54.51	54.38	0.13	3637.72	---	---
	7/1/04	54.51	54.12	0.39	3637.95	---	---
	12/20/04	53.69	53.52	0.17	3638.58	---	---
	3/1/05	Start-up groundwater extraction system				---	---
	1/25/06	51.55	51.14	0.41	3640.93	---	---
	5/1/06	51.34	50.91	0.43	3641.16	---	---
	6/26/06	51.02	50.94	0.08	3641.17	---	---
	11/28/06	Absorbant sock installed in well					
	12/18/06	51.15	50.75	0.40	3641.32	---	---
	1/12/07	50.89	50.63	0.26	3641.46	---	---
	1/15/07	50.20	---	---	3641.92	---	---
	2/2/07	50.72	---	---	3641.40	---	---
	2/9/07	50.60	---	---	3641.52	---	---
	2/23/07	50.54	---	---	3641.58	---	---
	3/2/07	50.60	---	---	3641.52	---	---
	3/8/07	50.61	---	---	3641.51	---	---
	3/16/07	50.69	---	---	3641.43	---	---
	3/23/07	50.67	---	---	3641.45	---	---

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RW-2	3/28/07	50.54	---	---	3641.58	---	---
(cont)	4/4/07	50.66	---	---	3641.46	---	---
	4/12/07	50.62	---	---	3641.50	---	---
	4/19/07	50.61	---	---	3641.51	---	---
	4/25/07	50.80	---	---	3641.32	---	---
	5/1/07	50.80	---	---	3641.32	---	---
	5/8/07	50.73	---	---	3641.39	---	---
	5/23/07	50.74	---	---	3641.38	---	---
	5/29/07	50.70	---	---	3641.42	---	---
	6/5/07	50.68	---	---	3641.44	---	---
	6/14/07	50.66	---	---	3641.46	---	---
	6/20/07	50.72	---	---	3641.40	---	---
	6/26/07	50.63	---	---	3641.49	---	---
	7/2/07	50.59	---	---	3641.53	---	---
	7/13/07	50.60	---	---	3641.52	---	---
	7/20/07	50.61	---	---	3641.51	---	---
	7/27/07	50.65	---	---	3641.47	---	---
	8/14/07	50.83	---	---	3641.29	---	---
	8/22/07	50.96	---	---	3641.16	---	---
	9/4/07	50.88	---	---	3641.24	---	---
	9/13/07	50.49	---	---	3641.63	---	---
	9/17/07	50.92	---	---	3641.20	---	---
	9/27/07	51.00	---	---	3641.12	---	---
	10/4/07	50.92	---	---	3641.20	---	---
	10/11/07	50.87	---	---	3641.25	---	---
	11/2/07	50.79	---	---	3641.33	---	---
	11/16/07	50.65	---	---	3641.47	---	---
	11/20/07	50.73	---	---	3641.39	---	---
	12/13/07	50.92	---	---	3641.20	---	---
	1/2/08	50.91	---	---	3641.21	---	---
	3/6/08	50.90	—	—	3641.22	—	—
	3/11/08	50.77	—	—	3641.35	—	—
	3/17/08	50.83	—	—	3641.29	—	—
	3/25/08	50.75	—	—	3641.37	—	—
	4/1/08	50.74	—	—	3641.38	—	—
	4/9/08	50.70	—	—	3641.42	—	—
	4/15/08	50.68	—	—	3641.44	—	—
	4/23/08	50.69	—	—	3641.43	—	—
	4/28/08	50.67	—	—	3641.45	—	—
	5/6/08	50.72	—	—	3641.40	—	—
	5/23/08	50.75	—	—	3641.37	—	—
	5/29/08	50.68	—	—	3641.44	—	—
	6/4/08	50.65	—	—	3641.47	—	—

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RW-2	6/12/08	50.68	—	—	3641.44	—	—
(cont)	6/18/08	50.64	—	—	3641.48	—	—
	6/25/08	50.60	—	—	3641.52	—	—
	6/30/08	50.61	—	—	3641.51	—	—
	7/7/08	50.66	—	—	3641.46	—	—
	7/15/08	50.63	—	—	3641.49	—	—
	7/21/08	50.59	—	—	3641.53	—	—
	7/31/08	50.63	—	---	3641.49	—	—
	8/4/08	50.59	—	---	3641.53	—	—
	8/10/08	50.53	—	---	3641.59	—	—
	8/19/08	50.70	—	---	3641.42	—	—
	8/26/08	50.71	—	---	3641.41	—	—
	9/4/08	50.73	—	---	3641.39	—	—
	9/10/08	50.72	—	---	3641.40	—	—
	9/15/08	50.84	—	---	3641.28	—	—
	9/23/08	50.84	—	---	3641.28	—	—
	10/1/08	50.85	—	---	3641.27	—	—
	10/6/08	50.85	—	---	3641.27	—	—
	10/16/08	50.85	—	---	3641.27	—	—
	10/21/08	50.75	—	---	3641.37	—	—
	10/28/08	50.75	—	—	3641.37	—	—
	11/13/08	50.67	—	—	3641.45	—	—
	11/19/08	50.69	—	—	3641.43	—	—
	11/25/08	50.76	—	—	3641.36	—	—
	12/3/08	50.85	—	—	3641.27	—	—
	12/9/08	50.98	—	—	3641.14	—	—
	12/17/08	50.93	—	—	3641.19	—	—
	12/22/08	50.95	—	—	3641.17	—	—
	12/30/08	50.98	—	—	3641.14	—	—
	1/6/09	50.85	—	—	3641.27	—	—
	1/13/09	50.71	—	—	3641.41	—	—
	1/21/09	50.83	—	—	3641.29	—	—
	1/28/09	50.85	—	—	3641.27	—	—
	2/3/09	50.93	—	—	3641.19	—	—
	2/10/09	50.84	—	—	3641.28	—	—
	2/16/09	51.02	—	—	3641.10	—	—
	2/23/09	51.08	—	—	3641.04	—	—
	3/5/09	51.03	—	—	3641.09	—	—
	3/12/09	51.10	—	—	3641.02	—	—
	3/20/09	50.91	—	—	3641.21	—	—
	3/24/09	51.10	—	—	3641.02	—	—
	4/2/09	51.02	—	—	3641.10	—	—

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
RW-2	4/9/09	50.87	—	---	3641.25	—	—
(cont)	4/15/09	50.79	—	---	3641.33	—	—
	4/22/09	50.85	—	—	3641.27	—	—
	5/1/09	50.88	—	---	3641.24	—	—
	5/13/09	50.81	—	---	3641.31	—	—
	6/3/09	51.15	50.94	0.21	3641.16	—	—
	6/11/09	50.87	50.84	0.03	3641.28	—	—
	6/15/09	50.80	—	---	3641.32	—	—
	7/6/09	50.84	—	---	3641.28	—	—
	7/22/09	50.88	—	---	3641.24	—	—
	8/12/09	51.09	51.03	0.06	3641.08	—	—
	8/26/09	51.00	50.96	0.04	3641.16	—	—
	9/9/09	51.02	50.97	0.05	3641.14	—	—
	9/23/09	51.05	51.02	0.03	3641.10	—	—
	10/7/09	51.10	50.98	0.12	3641.13	—	—
	10/21/09	51.10	50.92	0.18	3641.18	—	—
	11/4/09	51.12	50.97	0.15	3641.13	—	—
	11/19/09	50.99	50.95	0.04	3641.17	—	—
	12/2/09	51.01	---	---	3641.11	—	—
	12/17/09	51.20	---	---	3640.92	—	—
	1/6/10	51.12	---	---	3641.00	—	—
	1/27/10	51.29	---	---	3640.83	—	—
	2/26/10	51.38	51.31	0.07	3640.80	—	—
	3/10/10	51.18	---	---	3640.94	—	—
	3/23/10	51.16	---	---	3640.96	—	—
	4/8/10	51.21	---	---	3640.91	—	—
	4/20/10	51.28	---	---	3640.84	—	—
	4/28/10	51.31	---	---	3640.81	—	—
	5/10/10	51.46	51.45	0.01	3640.67	—	—
	5/19/10	51.51	---	---	3640.61	—	—
	5/25/10	51.50	---	---	3640.62	—	—
	6/2/10	51.55	---	---	3640.57	—	—
	6/9/10	51.43	---	---	3640.69	—	—
	6/16/10	51.44	---	---	3640.68	—	—
	6/22/10	51.46	---	---	3640.66	—	—
	6/29/10	51.70	51.56	0.14	3640.55	—	—
	7/14/10	51.59	51.58	0.01	3640.54	—	—
	7/21/10	51.62	---	---	3640.50	—	—
	7/28/10	51.65	---	---	3640.47	—	—
	8/4/10	51.71	---	---	3640.41	—	—
	8/10/10	51.68	---	---	3640.44	—	—
	8/17/10	51.65	---	---	3640.47	—	—

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
RW-2	8/30/10	51.07	---	---	3641.05	—	—
(cont)	9/15/10	51.64	---	---	3640.48	—	—
	9/22/10	51.65	---	---	3640.47	—	—
	10/6/10	51.66	---	---	3640.46	—	—
	10/19/10	51.00	---	---	3641.12	—	—
	11/8/10	50.95	50.94	0.01	3641.18	—	—
	11/29/10	50.89	---	---	3641.23	—	—
RW-3	10/14/99	45.82	---	---	3645.04	68.65	47 - 67
3690.86	11/3/99	52.82	---	---	3638.04	---	---
	2/16/01	52.88	---	---	3637.98	---	---
	6/11/02	52.91	---	---	3637.95	---	---
	11/26/02	53.22	53.15	0.07	3637.70	---	---
	6/5/03	54.56	54.40	0.16	3636.44	---	---
	12/3/03	53.23	---	---	3637.63	---	---
	7/1/04	53.19	52.98	0.21	3637.85	---	---
	12/20/04	52.50	52.09	0.41	3638.72	---	---
	3/1/05	Start-up groundwater extraction system				---	---
	1/25/06	50.71	---	---	3640.15	---	---
	5/1/06	50.49	---	---	3640.37	---	---
	6/26/06	50.50	---	---	3640.36	---	---
	11/28/06	Absorbant sock installed in well					
	12/18/06	50.31	---	---	3640.55	---	---
	1/12/07	50.17	---	---	3640.69	---	---
	1/15/07	50.21	50.20	0.01	3640.66	---	---
	2/2/07	50.23	---	---	3640.63	---	---
	2/9/07	50.13	---	---	3640.73	---	---
	2/23/07	50.03	---	---	3640.83	---	---
	3/2/07	50.12	---	---	3640.74	---	---
	3/8/07	50.14	---	---	3640.72	---	---
	3/16/07	50.22	---	---	3640.64	---	---
	3/23/07	50.20	---	---	3640.66	---	---
	3/28/07	50.08	---	---	3640.78	---	---
	4/4/07	50.18	---	---	3640.68	---	---
	4/12/07	50.14	---	---	3640.72	---	---
	4/19/07	50.13	---	---	3640.73	---	---
	4/25/07	50.28	---	---	3640.58	---	---
	5/1/07	50.29	---	---	3640.57	---	---
	5/8/07	50.24	---	---	3640.62	---	---
	5/23/07	50.23	---	---	3640.63	---	---
	5/29/07	50.21	---	---	3640.65	---	---
	6/5/07	50.19	---	---	3640.67	---	---
	6/14/07	50.18	---	---	3640.68	---	---

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
RW-3	6/20/07	50.26	---	---	3640.60	---	---
(cont)	6/26/07	50.15	---	---	3640.71	---	---
	7/2/07	50.11	---	---	3640.75	---	---
	7/13/07	50.14	---	---	3640.72	---	---
	7/20/07	50.11	---	---	3640.75	---	---
	7/27/07	50.17	---	---	3640.69	---	---
	8/14/07	50.37	---	---	3640.49	---	---
	8/22/07	50.45	---	---	3640.41	---	---
	9/4/07	50.36	---	---	3640.50	---	---
	9/13/07	50.44	---	---	3640.42	---	---
	9/17/07	50.44	---	---	3640.42	---	---
	9/27/07	50.49	---	---	3640.37	---	---
	10/4/07	50.42	---	---	3640.44	---	---
	10/11/07	50.39	---	---	3640.47	---	---
	11/2/07	50.31	---	---	3640.55	---	---
	11/16/07	50.19	---	---	3640.67	---	---
	11/20/07	50.27	---	---	3640.59	---	---
	12/13/07	52.38	---	---	3638.48	---	---
	1/2/08	52.35	---	---	3638.51	---	---
	3/6/08	50.42	---	---	3640.44	—	—
	3/11/08	50.32	---	---	3640.54	—	—
	3/17/08	50.39	---	---	3640.47	—	—
	3/25/08	50.27	---	---	3640.59	—	—
	4/1/08	50.25	---	---	3640.61	—	—
	4/9/08	50.22	---	---	3640.64	—	—
	4/15/08	50.22	---	---	3640.64	—	—
	4/23/08	50.24	---	---	3640.62	—	—
	4/28/08	50.25	---	---	3640.61	—	—
	5/6/08	50.22	---	---	3640.64	—	—
	5/23/08	50.29	---	---	3640.57	—	—
	5/29/08	50.36	---	---	3640.50	—	—
	6/4/08	50.32	---	---	3640.54	—	—
	6/12/08	50.23	---	---	3640.63	—	—
	6/18/08	50.19	---	---	3640.67	—	—
	6/25/08	50.18	---	---	3640.68	—	—
	6/30/08	50.17	---	---	3640.69	—	—
	7/7/08	50.21	---	---	3640.65	—	—
	7/15/08	50.19	---	---	3640.67	—	—
	7/21/08	50.05	---	---	3640.81	—	—
	7/31/08	50.20	---	---	3640.66	—	—
	8/4/08	50.21	---	---	3640.65	—	—
	8/10/08	50.19	---	---	3640.67	—	—

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
RW-3	8/19/08	50.23	---	---	3640.63	—	—
(cont)	8/26/08	50.24	---	---	3640.62	—	—
	9/4/08	50.90	---	---	3639.96	—	—
	9/10/08	50.20	---	---	3640.66	—	—
	9/15/08	50.38	---	---	3640.48	—	—
	9/23/08	50.32	---	---	3640.54	—	—
	10/1/08	50.34	---	---	3640.52	—	—
	10/6/08	50.41	---	---	3640.45	—	—
	10/16/08	50.39	---	---	3640.47	—	—
	10/21/08	50.29	---	---	3640.57	—	—
	10/28/08	50.33	---	---	3640.53	—	—
	11/13/08	50.15	---	---	3640.71	—	—
	11/19/08	50.17	---	---	3640.69	—	—
	11/25/08	50.33	---	---	3640.53	—	—
	12/3/08	50.40	---	---	3640.46	—	—
	12/9/08	50.50	---	---	3640.36	—	—
	12/17/08	50.48	---	---	3640.38	—	—
	12/22/08	50.50	---	---	3640.36	—	—
	12/30/08	50.47	---	---	3640.39	—	—
	1/6/09	50.35	---	---	3640.51	—	—
	1/13/09	50.21	---	---	3640.65	—	—
	1/21/09	50.36	---	---	3640.50	—	—
	1/28/09	50.35	---	---	3640.51	—	—
	2/3/09	50.46	---	---	3640.40	—	—
	2/10/09	50.35	---	---	3640.51	—	—
	2/16/09	50.48	---	---	3640.38	—	—
	2/23/09	50.50	---	---	3640.36	—	—
	3/5/09	50.49	---	---	3640.37	—	—
	3/12/09	50.54	---	---	3640.32	—	—
	3/20/09	50.50	---	---	3640.36	—	—
	3/24/09	50.55	---	---	3640.31	—	—
	4/2/09	50.50	---	---	3640.36	—	—
	4/9/09	50.42	---	---	3640.44	—	—
	4/15/09	50.33	---	---	3640.53	—	—
	4/22/09	50.40	---	---	3640.46	—	—
	5/1/09	50.45	---	---	3640.41	—	—
	5/13/09	50.37	---	---	3640.49	—	—
	6/3/09	50.46	---	---	3640.40	—	—
	6/11/09	50.40	---	---	3640.46	—	—
	6/15/09	50.35	---	---	3640.51	—	—
	7/6/09	50.40	---	---	3640.46	—	—

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
RW-3	7/22/09	50.42	---	---	3640.44	—	—
(cont)	8/12/09	50.58	---	---	3640.28	—	—
	8/26/09	50.51	---	---	3640.35	—	—
	9/9/09	50.52	---	---	3640.34	—	—
	9/23/09	50.55	---	---	3640.31	—	—
	10/7/09	50.52	---	---	3640.34	—	—
	10/21/09	50.48	---	---	3640.38	—	—
	11/4/09	50.53	---	---	3640.33	—	—
	11/19/09	50.50	---	---	3640.36	—	—
	12/2/09	50.51	---	---	3640.35	—	—
	12/17/09	50.59	---	---	3640.27	—	—
	1/6/10	50.57	---	---	3640.29	—	—
	1/27/10	50.60	---	---	3640.26	—	—
	2/26/10	50.81	50.80	0.01	3640.06	—	—
	3/10/10	51.70	---	---	3639.16	—	—
	3/23/10	51.73	---	---	3639.13	—	—
	4/8/10	51.82	---	---	3639.04	—	—
	4/20/10	51.80	---	---	3639.06	—	—
	4/28/10	51.83	---	---	3639.03	—	—
	5/10/10	50.95	---	---	3639.91	—	—
	5/19/10	51.12	---	---	3639.74	—	—
	5/25/10	51.15	---	---	3639.71	—	—
	6/2/10	51.09	---	---	3639.77	—	—
	6/9/10	51.43	---	---	3639.43	—	—
	6/16/10	50.97	---	---	3639.89	—	—
	6/22/10	50.98	---	---	3639.88	—	—
	6/29/10	51.10	---	---	3639.76	—	—
	7/14/10	51.12	---	---	3639.74	—	—
	7/21/10	51.15	---	---	3639.71	—	—
	7/28/10	51.65	---	---	3639.21	—	—
	8/4/10	51.15	---	---	3639.71	—	—
	8/10/101	51.13	---	---	3639.73	—	—
	8/17/10	51.18	---	---	3639.68	—	—
	8/30/10	50.57	---	---	3640.29	—	—
	9/15/10	51.19	---	---	3639.67	—	—
	9/22/10	51.22	---	---	3639.64	—	—
	10/6/10	51.25	---	---	3639.61	—	—
	10/19/10	50.55	---	---	3640.31	—	—
	11/8/10	50.65	50.64	0.01	3640.22	—	—
	11/29/10	50.43	---	---	3640.43	—	—

TABLE I
GROUNDWATER GAUGING SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Well ID *TOC Elevation*	Collection Date	Depth to Groundwater (ft TOC)	Depth to LNAPL (ft TOC)	LNAPL Thickness (ft)	Corrected Groundwater Elevation (ft above MSL)	Well Depth (ft TOC)	Well Screen Interval (ft bgs)
WW-1	6/11/02	66.35	---	---	3637.82	Unknown	Unknown
3704.17	6/5/03	68.25	---	---	3635.92	---	---
WW-2	6/11/02	66.18	---	---	3637.66	Unknown	Unknown
3703.84	11/26/02	66.18	---	---	3637.66	---	---
	6/5/03	68.54	---	---	3635.30	---	---

Notes:

1. Data through June 6, 2005 provided by Larson & Associates, Inc.
2. TOC - Top of Casing.
3. MSL - Mean Sea Level.
4. bgs - Below ground surface.
5. Corrected groundwater elevations from July 1998 to December 2006 were calculated using LNAPL specific gravity of 0.88.
6. Corrected groundwater elevations from January 2007 to December 2007 were calculated using LNAPL specific gravity of 0.897.
7. MW-1, MW-2 and MW-9 were plugged and abandoned and replaced with RW-1, RW-2 and RW-3 in November 1999.
8. Monitor wells (MWs) are 2-inch in diameter; Recovery wells (RWs) are 4-inch in diameter.

TABLE II
GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Benzene[1]	Toluene[1]	Ethyl-benzene[1]	Total Xylenes[1]	Chloride[2]
New Mexico Water Quality Control Commission Groundwater Standard		0.01	0.75	0.75	0.62	250
MW-3	7/28/98	**0.003**	<0.001	<0.001	**0.002**	**36.0**
	2/16/01	<0.005	<0.005	<0.005	<0.005	**31**
	6/12/02	<0.005	<0.005	<0.005	<0.005	**27.1**
	11/26/03	<0.001	<0.001	<0.001	<0.001	**31.9**
	6/6/03	<0.001	<0.001	<0.001	<0.001	**27.5**
	12/4/03	<0.001	<0.001	<0.001	**0.0017**	**26.1**
	7/2/04	<0.005	<0.005	<0.005	<0.005	**28.0**
	12/21/04	<0.005	<0.005	<0.005	<0.005	**32.3**
	6/6/05	<0.00100	<0.00100	<0.00100	<0.00100	**34.3**
	12/13/05	<0.005	<0.005	<0.005	<0.010	**29.3**
	6/27/06	<0.000500	<0.000500	<0.000500	<0.001	**31.1**
	12/19/06	<0.005	<0.005	<0.005	<0.001	**28.0**
	6/27/07	<0.000500	<0.000500	<0.000500	<0.00100	**31.0**
	12/14/07	<0.000500	<0.000500	<0.000500	<0.00100	**31**
	6/5/08	<0.00037	<0.00039	<0.00042	<0.00035	**30**
DUP	11/14/08	<0.00037	<0.00039	<0.00042	<0.00035	**32**
	11/14/08	<0.00037	<0.00039	<0.00042	<0.00035	**32**
	6/16/09	<0.00037	<0.00039	<0.00042	<0.00035	**35**
	11/20/09	<0.00037	<0.00039	<0.00042	<0.00035	**40**
	7/1/10	<0.00020	<0.00020	<0.00020	<0.00070	**50.4**
	11/9/10	<0.00010	<0.00010	<0.00010	<0.00030	**64.0**
MW-4	7/28/98	<0.001	<0.001	<0.001	<0.001	**94.0**
	2/16/01	<0.005	<0.005	<0.005	**0.008**	**170**
	6/12/02	<0.005	<0.005	<0.005	<0.005	**85.6**
	11/26/03	**0.002**	<0.001	<0.001	<0.005	**160.0**
	6/6/03	<0.001	<0.001	<0.001	**0.0026**	**111.0**
	12/4/03	**0.0015**	<0.001	<0.001	<0.001	**104.0**
	7/2/04	<0.001	<0.001	<0.001	<0.001	**72.4**
	12/21/04	<0.005	<0.005	<0.005	<0.005	**59.7**
	6/6/05	<0.00100	<0.00100	<0.00100	<0.00100	**58.4**
	12/13/05	<0.005	<0.005	<0.005	<0.010	**55.3**
	6/27/06	**0.000597**	<0.000500	<0.000500	<0.001	**48.8**
	12/19/06	<0.005	<0.005	<0.005	<0.001	**34.0**
	6/27/07	<0.000500	<0.000500	<0.000500	<0.00100	**39.0**
	12/13/07	0.000968	<0.000500	<0.000500	0.00254	**63.1**

TABLE II
GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Benzene[1]	Toluene[1]	Ethyl-benzene[1]	Total Xylenes[1]	Chloride[2]
New Mexico Water Quality Control Commission Groundwater Standard		0.01	0.75	0.75	0.62	250
MW-4	6/5/08	<0.00037	<0.00039	<0.00042	<0.00035	**61.0**
(cont)	11/14/08	<0.00037	<0.00039	<0.00042	<0.00035	**52.0**
	6/16/09	<0.00037	<0.00039	<0.00042	<0.00035	**59.0**
	11/20/09	<0.00037	<0.00039	<0.00042	<0.00035	**58.0**
	7/1/10	**0.00032J**	<0.00020	<0.00020	<0.00070	**54.5**
	11/9/10	<0.00010	<0.00010	<0.00010	<0.00030	**57.5**
DUP	11/9/10	<0.00010	<0.00010	<0.00010	<0.00030	**58.4**
MW-5	7/28/98	<0.001	<0.001	<0.001	<0.001	**360.0**
	2/16/01	<0.005	<0.005	<0.005	<0.005	**120**
	6/12/02	<0.005	<0.005	<0.005	<0.005	**90.2**
	11/26/03	**0.002**	<0.001	**0.003**	<0.002	**59.1**
	6/6/03	<0.001	<0.001	<0.001	<0.001	**48.6**
	12/4/03	<0.001	<0.001	<0.001	<0.001	**36.5**
	7/2/04	<0.005	<0.005	<0.005	<0.005	**32.9**
	12/21/04	<0.005	<0.005	<0.005	<0.005	**39.8**
	6/6/05	<0.00100	<0.00100	<0.00100	<0.00100	**41.1**
	12/13/05	<0.005	<0.005	<0.005	<0.010	**39.7**
	6/27/06	<0.000500	<0.000500	<0.000500	<0.001	**43.2**
	12/19/06	<0.005	<0.005	<0.005	<0.001	**51.0**
	6/27/07	<0.000500	<0.000500	<0.000500	<0.00100	**67**
	12/14/07	<0.000500	<0.000500	<0.000500	<0.00100	**101**
	6/4/08	<0.00037	<0.00039	<0.00042	<0.00035	**78.7**
	11/14/08	<0.00037	<0.00039	<0.00042	<0.00035	**100**
	6/16/09	<0.00037	<0.00039	<0.00042	<0.00035	**140**
	11/20/09	<0.00037	<0.00039	<0.00042	<0.00035	**110**
	7/1/10	<0.00020	<0.00020	<0.00020	<0.00070	**115**
	11/9/10	<0.00010	<0.00010	<0.00010	<0.00030	**168**
MW-6	7/28/98	<0.001	<0.001	<0.001	<0.001	**43.0**
	2/16/01	<0.005	<0.005	**0.006**	**0.006**	**52**
	6/12/02	<0.001	<0.001	<0.001	<0.001	**54.1**
	11/26/03	<0.001	<0.001	<0.001	<0.002	**65.0**
	6/6/03	<0.001	<0.001	<0.001	<0.001	**43.7**
	12/4/03	<0.001	<0.001	<0.001	<0.001	**45.3**
	7/2/04	<0.001	<0.001	<0.001	<0.001	**57.5**

TABLE II
GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Benzene[1]	Toluene[1]	Ethyl-benzene[1]	Total Xylenes[1]	Chloride[2]
New Mexico Water Quality Control Commission Groundwater Standard		0.01	0.75	0.75	0.62	250
MW-6	12/21/04	<0.005	<0.005	<0.005	<0.005	61.3
(cont)	6/6/05	<0.00100	<0.00100	<0.00100	<0.00100	66.7
	12/13/05	<0.005	<0.005	<0.005	<0.010	80.9
	6/27/06	<0.000500	<0.000500	<0.000500	<0.001	86.4
	12/19/06	<0.005	<0.005	<0.005	<0.001	88.0
	3/16/07	<0.000500	<0.000500	<0.000500	<0.001	92.2
	6/27/07	<0.000500	<0.000500	<0.000500	<0.00100	110
	9/27/07	<0.000500	<0.000500	<0.000500	<0.00100	99.5
	12/14/07	<0.000500	<0.000500	<0.000500	<0.00100	99.2
	3/6/08	<0.000370	<0.000390	<0.000420	<0.000350	88.8
	6/4/08	<0.00037	<0.00039	<0.00042	<0.00035	117
	9/4/08	<0.00037	<0.00039	<0.00042	<0.00035	130
	11/14/08	<0.00037	<0.00039	<0.00042	<0.00035	130
	3/5/09	<0.00037	<0.00039	<0.00042	<0.00035	140
	6/16/09	<0.00037	<0.00039	<0.00042	<0.00035	160
	9/9/09	<0.00037	<0.00039	<0.00042	<0.00035	160
	11/20/09	<0.00037	<0.00039	<0.00042	<0.00035	140
	3/23/10	<0.00020	<0.00020	<0.00020	<0.00070	169
	7/1/10	<0.00020	<0.00020	<0.00020	<0.00070	161
DUP	7/1/10	<0.00020	<0.00020	<0.00020	<0.00070	169
	9/22/10	0.00033J	<0.00010	<0.00010	<0.00030	157
	11/9/10	<0.00010	<0.00010	0.0010	<0.00030	182
MW-7	7/28/98	<0.001	<0.001	<0.001	<0.001	82.0
	2/16/01	<0.005	<0.005	<0.005	<0.005	150
	6/12/02	<0.005	<0.005	<0.005	<0.005	96.7
	11/26/03	<0.001	<0.001	<0.001	<0.002	133.0
	6/6/03	<0.001	<0.001	<0.001	<0.001	199.0
	12/4/03	<0.001	<0.001	<0.001	<0.001	230.0
	7/2/04	<0.001	<0.001	<0.001	<0.001	215.0
	12/21/04	<0.005	<0.005	<0.005	<0.005	274.0
	6/6/05	<0.00100	<0.00100	<0.00100	<0.00100	221.0
	12/13/05	<0.005	<0.005	<0.005	<0.010	204.0
	6/27/06	<0.000500	<0.000500	<0.000500	<0.001	158.0
	12/19/06	<0.005	<0.005	<0.005	<0.001	130.0
	6/27/07	<0.000500	<0.000500	<0.000500	<0.00100	110

TABLE II
GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Benzene[1]	Toluene[1]	Ethyl-benzene[1]	Total Xylenes[1]	Chloride[2]
New Mexico Water Quality Control Commission Groundwater Standard		0.01	0.75	0.75	0.62	250
MW-7	12/13/07	<0.000500	<0.000500	<0.000500	<0.00100	135
(cont)	6/5/08	<0.00037	<0.00039	<0.00042	<0.00035	72.4
	11/14/08	<0.00037	<0.00039	<0.00042	<0.00035	66
	6/16/09	<0.00037	<0.00039	<0.00042	<0.00035	58
	11/20/09	<0.00037	<0.00039	<0.00042	<0.00035	47
	7/1/10	<0.00020	<0.00020	<0.00020	<0.00070	51.2
	11/9/10	<0.00010	<0.00010	<0.00010	<0.00030	67.1
MW-8	7/28/98	<0.001	<0.001	<0.001	<0.001	29.0
	2/16/01	<0.005	<0.005	<0.005	<0.005	94
	6/12/02	<0.005	<0.005	<0.005	<0.005	180.0
	11/26/03	<0.001	<0.001	<0.001	<0.002	239.0
	6/6/03	<0.001	<0.001	<0.001	<0.001	244.0
	12/4/03	<0.001	<0.001	<0.001	<0.001	251.0
	7/2/04	<0.005	<0.005	<0.005	<0.005	206.0
	12/21/04	<0.005	<0.005	<0.005	<0.005	244.0
	6/6/05	<0.00100	<0.00100	<0.00100	<0.00100	227.0
	12/13/05	<0.005	<0.005	<0.005	<0.010	144.0
	6/27/06	<0.000500	<0.000500	<0.000500	<0.001	92.6
	12/19/06	<0.005	<0.005	<0.005	<0.001	83.0
	6/27/07	<0.000500	<0.000500	<0.000500	<0.00100	79
	12/13/07	<0.000500	<0.000500	<0.000500	<0.00100	82.9
	6/4/08	<0.00037	<0.00039	<0.00042	<0.00035	54.9
	11/14/08	<0.00037	<0.00039	<0.00042	<0.00035	47
	6/16/09	<0.00037	<0.00039	<0.00042	<0.00035	45
	11/20/09	<0.00037	<0.00039	<0.00042	<0.00035	36
	7/1/10	<0.00020	<0.00020	<0.00020	<0.00070	38.4
	11/9/10	<0.00010	<0.00010	<0.00010	<0.00030	47.6
WW-1	7/28/98	<0.001	<0.001	<0.001	<0.001	100.0
	6/12/02	<0.001	<0.001	<0.001	<0.001	43.6
	11/26/02	<0.001	<0.001	<0.001	<0.002	80.0
	6/6/03	<0.001	<0.001	<0.001	<0.001	73.4
	12/4/03	<0.001	<0.001	<0.001	<0.001	65.3
	7/2/04	<0.001	<0.001	<0.001	<0.001	66.5
	12/21/04	<0.005	<0.005	<0.005	<0.005	74.3

TABLE II
GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Benzene[1]	Toluene[1]	Ethyl-benzene[1]	Total Xylenes[1]	Chloride[2]
New Mexico Water Quality Control Commission Groundwater Standard		0.01	0.75	0.75	0.62	250
WW-1	6/6/05	<0.00100	<0.00100	<0.00100	<0.00100	63.4
(cont)	12/13/05	<0.005	<0.005	<0.005	<0.010	41.1
	6/27/06	<0.000500	<0.000500	<0.000500	<0.001	50.0
	12/19/06	<0.005	<0.005	<0.005	<0.001	80.0
	6/27/07	<0.000500	<0.000500	<0.000500	<0.00100	52
	12/14/07	<0.000500	<0.000500	<0.000500	<0.00100	59.8
	6/4/08	<0.00037	<0.00039	<0.00042	<0.00035	64.1
DUP	6/4/08	<0.00037	<0.00039	<0.00042	<0.00035	64.4
	11/14/08	<0.00037	<0.00039	<0.00042	<0.00035	73
	6/17/09	<0.00037	<0.00039	<0.00042	<0.00035	60
	11/20/09	<0.00037	<0.00039	<0.00042	<0.00035	64
	7/1/10	<0.00020	<0.00020	<0.00020	<0.00070	41.0
	11/9/10	<0.00010	<0.00010	<0.00010	<0.00030	77.0
WW-2	6/12/02	<0.001	<0.001	<0.001	<0.001	53.7
	11/26/02	<0.001	<0.001	<0.001	<0.002	70.9
	6/6/03	<0.001	<0.001	<0.001	<0.001	71.1
	12/4/03	<0.001	<0.001	<0.001	<0.001	52.4
	7/2/04	<0.001	<0.001	<0.001	<0.001	51.0
	12/21/04	<0.005	<0.005	<0.005	<0.005	55.6
	6/6/05	<0.00100	<0.00100	<0.00100	<0.00100	55.3
	12/13/05	<0.005	<0.005	<0.005	<0.010	75.3
	6/27/06	<0.000500	<0.000500	<0.000500	<0.001	69.7
	12/19/06	<0.005	<0.005	<0.005	<0.001	57.0
	6/27/07	<0.000500	<0.000500	<0.000500	<0.00100	46
	12/14/07	<0.000500	<0.000500	<0.000500	<0.00100	83.1
	6/4/08	<0.00037	<0.00039	<0.00042	<0.00035	65.9
	11/14/08	<0.00037	<0.00039	<0.00042	<0.00035	73
	6/17/09	<0.00037	<0.00039	<0.00042	<0.00035	60
	11/20/09	Not Sampled		Pump not working		
	7/1/10	<0.00020	<0.00020	<0.00020	<0.00070	66.3
	11/9/10	<0.00010	<0.00010	<0.00010	<0.00030	77.2
RW-1[3]	6/5/08	0.0119	<0.0039	<0.0042	<0.0035	36.2
	6/17/09	0.012	0.0055	0.0018	0.012	49.0
	7/1/10	0.022	0.00070J	0.0027	0.017	41.1

TABLE II
GROUNDWATER ANALYTICAL SUMMARY
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
FORMER NEW MEXICO "F" STATE TANK BATTERY
LEA COUNTY, NEW MEXICO

Sample ID	Sample Date	Benzene[1]	Toluene[1]	Ethyl-benzene[1]	Total Xylenes[1]	Chloride[2]
New Mexico Water Quality Control Commission Groundwater Standard		0.01	0.75	0.75	0.62	250
RW-2	6/27/07	**0.00287**	<0.0025	<0.00250	**0.0303**	**60**
	6/5/08	<0.0037	<0.0039	<0.0042	<0.0035	**51.1**
	6/17/09	<0.00037	**0.0046**	<0.00042	**0.016**	**44**
	7/1/10	**0.0016**	<0.00020	<0.00020	**0.0067**	**30.1**
RW-3	6/11/02	<0.005	<0.005	<0.005	<0.005	**25.9**
	12/3/04	<0.001	<0.001	<0.001	<0.001	**36.6**
	6/27/07	**0.00855**	<0.00250	**0.0122**	**0.0270**	**130**
	6/5/08	<0.0037	<0.0039	<0.0042	**0.0129**	**90.6**
	6/17/09	**0.0052**	**0.0042**	**0.011**	**0.0250**	**74**
	11/20/09	<0.00037	**0.001**	**0.0027**	**0.0076**	**60**
DUP	11/20/09	<0.00037	**0.0013**	**0.003**	**0.0080**	**60**
	7/1/10	**0.0065**	<0.00020	**0.0066**	**0.0030**	**68.3**

Notes:

1. Result shown in mg/L.
2. Data through June 6, 2005 provided by Larson & Associates, Inc.
3. Bold indicates detection above method detection limit.
4. Shaded cells indicate New Mexico Water Quality Control Commission (NMWQCC) exceedance.
5. [1]Human Health Standards for Groundwater.
6. [2]Other Standards for Domestic Water Supply.
7. [3]RW-1 was sampled by dropping a disposable PVC bailer below 3.18 feet of LNAPL.

TABLE III

SUMMARY OF FIELD DUPLICATE SAMPLE RESULTS
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
NORTH RILEY
GAINES COUNTY, TEXAS

Date	Original Sample ID	Sample Result (mg/L	Duplicate Sample ID	Sample Result (mg/L	RPD
6/4/2008	WW-1	64.1	DUP	64.4	0.46692607
11/14/2008	MW-3	32	DUP	32	0
11/20/2010	RW-3	0.0027 0.0076 60	DUP	0.003 0.008 60	10.52631579 5.128205128 0
7/1/2010	MW-6	161	DUP	169	4.848484848
11/9/2010	MW-4	57.5	DUP	58.4	1.553062985

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

Environmental Division

31-Mar-2010

Todd Wells
Conestoga-Rovers & Associates
2135 S Loop 250 West
Midland, TX 79703

Tel: (432) 686-0086
Fax: (432) 686-0186

Re: New Mexico "F" State Work Order: **1003594**

Dear Todd,

ALS Laboratory Group received 2 samples on 24-Mar-2010 09:35 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 15.

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

Sincerely,

Electronically approved by: Glenda H. Ramos

Hector Coronado
Project Manager

Certificate No: TX: T104704231-09-1

ALS Laboratory Group

Date: 31-Mar-10

Client: Conestoga-Rovers & Associates
Project: New Mexico "F" State
Work Order: **1003594**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1003594-01	MW-6 32310	Water		3/23/2010 13:20	3/24/2010 09:35	☐
1003594-02	Trip Blank	Water		3/23/2010	3/24/2010 09:35	☐

Client: Conestoga-Rovers & Associates
Project: New Mexico "F" State
Work Order: 1003594

Case Narrative

Batch R88545, BTEX/MTBE, (ALS# 1003580-06), MS/MSD is for an unrelated sample.

Batch R88674, Anions, Sample MW-6 32310 (ALS# 1003594-01): Recovery of chloride outside control limits on the MS/MSD due to the high concentration of chloride in the background sample.

ALS Laboratory Group

Date: *31-Mar-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico "F" State
Sample ID: MW-6 32310
Collection Date: 3/23/2010 01:20 PM

Work Order: 1003594
Lab ID: 1003594-01
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	U		0.00020	0.0010	mg/L	1	3/26/2010 12:19
Toluene	U		0.00020	0.0010	mg/L	1	3/26/2010 12:19
Ethylbenzene	U		0.00020	0.0010	mg/L	1	3/26/2010 12:19
Methyl tert-butyl ether	U		0.0010	0.0050	mg/L	1	3/26/2010 12:19
Xylenes, Total	U		0.00070	0.0030	mg/L	1	3/26/2010 12:19
Surr: 4-Bromofluorobenzene	*111*			*77-129*	*%REC*	1	3/26/2010 12:19
Surr: Trifluorotoluene	*103*			*75-130*	*%REC*	1	3/26/2010 12:19
ANIONS		Method: **E300**					Analyst: **IGF**
Chloride	**169**		**2.00**	**5.00**	**mg/L**	10	3/26/2010 13:18
Surr: Selenate (surr)	*100*			*85-115*	*%REC*	10	3/26/2010 13:18

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

ALS Laboratory Group

Date: *-Mar-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico "F" State
Sample ID: Trip Blank
Collection Date: 3/23/2010

Work Order: 1003594
Lab ID: 1003594-02
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			Method: **SW8021B**				Analyst: **KKP**
Benzene	U		0.00020	0.0010	mg/L	1	3/25/2010 00:25
Toluene	U		0.00020	0.0010	mg/L	1	3/25/2010 00:25
Ethylbenzene	U		0.00020	0.0010	mg/L	1	3/25/2010 00:25
Methyl tert-butyl ether	U		0.0010	0.0050	mg/L	1	3/25/2010 00:25
Xylenes, Total	U		0.00070	0.0030	mg/L	1	3/25/2010 00:25
Surr: 4-Bromofluorobenzene	*98.5*			*77-129*	*%REC*	1	3/25/2010 00:25
Surr: Trifluorotoluene	*116*			*75-130*	*%REC*	1	3/25/2010 00:25

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

ALS Laboratory Group

Date: 31-Mar-10

Client: Conestoga-Rovers & Associates

Work Order: 1003594

Project: New Mexico "F" State

QC BATCH REPORT

Batch ID: **R88545** Instrument ID **BTEX3** Method: **SW8021B**

MBLK Sample ID: **MEOHW1-032410-R88545** Units: **µg/L** Analysis Date: **3/24/2010 10:57 AM**

Client ID: Run ID: **BTEX3_100324A** SeqNo: **1908929** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Methyl tert-butyl ether	U	5.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*28.96*	1.0	*30*	0	*96.5*	*77-129*	0			
Surr: Trifluorotoluene	*29.79*	1.0	*30*	0	*99.3*	*75-130*	0			

MBLK Sample ID: **BBLKW1-032410-R88545** Units: **µg/L** Analysis Date: **3/24/2010 11:14 AM**

Client ID: Run ID: **BTEX3_100324A** SeqNo: **1908930** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Methyl tert-butyl ether	U	5.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*30.52*	1.0	*30*	0	*102*	*77-129*	0			
Surr: Trifluorotoluene	*30.44*	1.0	*30*	0	*101*	*75-130*	0			

LCS Sample ID: **BLCSW1-032410-R88545** Units: **µg/L** Analysis Date: **3/24/2010 10:22 AM**

Client ID: Run ID: **BTEX3_100324A** SeqNo: **1908928** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.12	1.0	20	0	90.6	77-126	0			
Toluene	17.91	1.0	20	0	89.5	80-124	0			
Ethylbenzene	18.11	1.0	20	0	90.5	76-125	0			
Methyl tert-butyl ether	89.91	5.0	100	0	89.9	75-128	0			
Xylenes, Total	53.93	3.0	60	0	89.9	79-124	0			
Surr: 4-Bromofluorobenzene	*30*	1.0	*30*	0	*100*	*77-129*	0			
Surr: Trifluorotoluene	*30.78*	1.0	*30*	0	*103*	*75-130*	0			

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

Client: Conestoga-Rovers & Associates
Work Order: 1003594
Project: New Mexico "F" State

QC BATCH REPORT

Batch ID: **R88545** Instrument ID **BTEX3** Method: **SW8021B**

MS Sample ID: **1003580-06AMS** Units: **µg/L** Analysis Date: **3/24/2010 08:02 PM**
Client ID: Run ID: **BTEX3_100324A** SeqNo: **1909557** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.56	1.0	20	2.097	97.3	77-126	0			
Toluene	19.69	1.0	20	0	98.5	80-124	0			
Ethylbenzene	19.24	1.0	20	0	96.2	76-125	0			
Methyl tert-butyl ether	92.64	5.0	100	0	92.6	75-128	0			
Xylenes, Total	59.46	3.0	60	0	99.1	79-124	0			
Surr: 4-Bromofluorobenzene	*29.76*	1.0	*30*	0	*99.2*	*77-129*	0			
Surr: Trifluorotoluene	*30.93*	1.0	*30*	0	*103*	*75-130*	0			

MSD Sample ID: **1003580-06AMSD** Units: **µg/L** Analysis Date: **3/24/2010 08:19 PM**
Client ID: Run ID: **BTEX3_100324A** SeqNo: **1909588** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.53	1.0	20	2.097	97.2	77-126	21.56	0.145	20	
Toluene	19.73	1.0	20	0	98.7	80-124	19.69	0.195	20	
Ethylbenzene	24.26	1.0	20	0	121	76-125	19.24	23.1	20	R
Methyl tert-butyl ether	97.81	5.0	100	0	97.8	75-128	92.64	5.43	20	
Xylenes, Total	59	3.0	60	0	98.3	79-124	59.46	0.776	20	
Surr: 4-Bromofluorobenzene	*30.48*	1.0	*30*	0	*102*	*77-129*	29.76	*2.4*	*20*	
Surr: Trifluorotoluene	*30.87*	1.0	*30*	0	*103*	*75-130*	30.93	*0.175*	*20*	

The following samples were analyzed in this batch: 1003594-02A

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

Client: Conestoga-Rovers & Associates
Work Order: 1003594
Project: New Mexico "F" State

QC BATCH REPORT

Batch ID: **R88682** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **MEOHW1-032610-R88682** Units: **µg/L** Analysis Date: **3/26/2010 11:42 AM**
Client ID: Run ID: **BTEX1_100326A** SeqNo: **1911073** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Methyl tert-butyl ether	U	5.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*32.86*	1.0	*30*	0	*110*	*77-129*	0			
Surr: Trifluorotoluene	*35.14*	1.0	*30*	0	*117*	*75-130*	0			

MBLK Sample ID: **BBLKW1-032610-R88682** Units: **µg/L** Analysis Date: **3/26/2010 11:59 AM**
Client ID: Run ID: **BTEX1_100326A** SeqNo: **1911074** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Methyl tert-butyl ether	U	5.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*34.15*	1.0	*30*	0	*114*	*77-129*	0			
Surr: Trifluorotoluene	*33.19*	1.0	*30*	0	*111*	*75-130*	0			

LCS Sample ID: **BLCSW1-032610-R88682** Units: **µg/L** Analysis Date: **3/26/2010 11:03 AM**
Client ID: Run ID: **BTEX1_100326A** SeqNo: **1911072** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.78	1.0	20	0	98.9	77-126	0			
Toluene	19.12	1.0	20	0	95.6	80-124	0			
Ethylbenzene	18.86	1.0	20	0	94.3	76-125	0			
Methyl tert-butyl ether	104.8	5.0	100	0	105	75-128	0			
Xylenes, Total	56.28	3.0	60	0	93.8	79-124	0			
Surr: 4-Bromofluorobenzene	*33.6*	1.0	*30*	0	*112*	*77-129*	0			
Surr: Trifluorotoluene	*36.02*	1.0	*30*	0	*120*	*75-130*	0			

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

Client: Conestoga-Rovers & Associates
Work Order: 1003594
Project: New Mexico "F" State

QC BATCH REPORT

Batch ID: **R88682** Instrument ID **BTEX1** Method: **SW8021B**

MS Sample ID: **1003594-01AMS** Units: **µg/L** Analysis Date: **3/26/2010 12:57 PM**

Client ID: **MW-6 32310** Run ID: **BTEX1_100326A** SeqNo: **1911076** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.83	1.0	20	0	94.2	77-126	0			
Toluene	18.95	1.0	20	0	94.7	80-124	0			
Ethylbenzene	19.38	1.0	20	0	96.9	76-125	0			
Methyl tert-butyl ether	84.13	5.0	100	0	84.1	75-128	0			
Xylenes, Total	56.67	3.0	60	0	94.4	79-124	0			
Surr: 4-Bromofluorobenzene	*33.86*	1.0	*30*	0	*113*	*77-129*	0			
Surr: Trifluorotoluene	*33.2*	1.0	*30*	0	*111*	*75-130*	0			

MSD Sample ID: **1003594-01AMSD** Units: **µg/L** Analysis Date: **3/26/2010 01:14 PM**

Client ID: **MW-6 32310** Run ID: **BTEX1_100326A** SeqNo: **1911077** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.7	1.0	20	0	93.5	77-126	18.83	0.726	20	
Toluene	19.83	1.0	20	0	99.2	80-124	18.95	4.55	20	
Ethylbenzene	19.51	1.0	20	0	97.5	76-125	19.38	0.649	20	
Methyl tert-butyl ether	84.5	5.0	100	0	84.5	75-128	84.13	0.438	20	
Xylenes, Total	55.57	3.0	60	0	92.6	79-124	56.67	1.95	20	
Surr: 4-Bromofluorobenzene	*32.36*	1.0	*30*	0	*108*	*77-129*	33.86	*4.53*	*20*	
Surr: Trifluorotoluene	*34.23*	1.0	*30*	0	*114*	*75-130*	33.2	*3.05*	*20*	

The following samples were analyzed in this batch: 1003594-01A

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

Client: Conestoga-Rovers & Associates
Work Order: 1003594
Project: New Mexico "F" State

QC BATCH REPORT

Batch ID: **R88674** Instrument ID **ICS3000** Method: **E300**

MBLK Sample ID: **WBLKW1-032610-R88674** Units: **mg/L** Analysis Date: **3/26/2010 10:06 AM**
Client ID: Run ID: **ICS3000_100326A** SeqNo: **1910916** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	U	0.50								
Surr: Selenate (surr)	*5.142*	0.10	*5*	0	*103*	*85-115*	0			

LCS Sample ID: **WLCSW1-032610-R88674** Units: **mg/L** Analysis Date: **3/26/2010 10:27 AM**
Client ID: Run ID: **ICS3000_100326A** SeqNo: **1910918** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.08	0.50	20	0	100	90-110	0			
Surr: Selenate (surr)	*4.904*	0.10	*5*	0	*98.1*	*85-115*	0			

LCSD Sample ID: **WLCSDW1-032610-R88674** Units: **mg/L** Analysis Date: **3/26/2010 10:48 AM**
Client ID: Run ID: **ICS3000_100326A** SeqNo: **1910919** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.2	0.50	20	0	101	90-110	20.08	0.606	20	
Surr: Selenate (surr)	*4.893*	0.10	*5*	0	*97.9*	*85-115*	4.904	*0.225*	*20*	

MS Sample ID: **1003594-01BMS** Units: **mg/L** Analysis Date: **3/26/2010 12:14 PM**
Client ID: **MW-6 32310** Run ID: **ICS3000_100326A** SeqNo: **1910926** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	179.5	0.50	10	173.9	55.7	80-120	0			SEO
Surr: Selenate (surr)	*5.219*	0.10	*5*	0	*104*	*85-115*	0			

MS Sample ID: **1003664-01DMS** Units: **mg/L** Analysis Date: **3/26/2010 04:30 PM**
Client ID: Run ID: **ICS3000_100326A** SeqNo: **1911614** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	36.82	0.50	10	27.92	89	80-120	0			
Surr: Selenate (surr)	*5.289*	0.10	*5*	0	*106*	*85-115*	0			

MSD Sample ID: **1003594-01BMSD** Units: **mg/L** Analysis Date: **3/26/2010 12:35 PM**
Client ID: **MW-6 32310** Run ID: **ICS3000_100326A** SeqNo: **1910928** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	179.7	0.50	10	173.9	57.6	80-120	179.5	0.108	20	SEO
Surr: Selenate (surr)	*5.229*	0.10	*5*	0	*105*	*85-115*	5.219	*0.191*	*20*	

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

Client: Conestoga-Rovers & Associates
Work Order: 1003594
Project: New Mexico "F" State

QC BATCH REPORT

Batch ID: **R88674** Instrument ID **ICS3000** Method: **E300**

MSD Sample ID: **1003664-01DMSD** Units: **mg/L** Analysis Date: **3/26/2010 04:51 PM**

Client ID: Run ID: **ICS3000_100326A** SeqNo: **1911615** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	38.12	0.50	10	27.92	102	80-120	36.82	3.5	20	
Surr: Selenate (surr)	*5.357*	0.10	*5*	0	*107*	*85-115*	5.289	*1.28*	*20*	

The following samples were analyzed in this batch: 1003594-01B

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

ALS Laboratory Group

Date: 31-Mar-10

Client: Conestoga-Rovers & Associates
Project: New Mexico "F" State
WorkOrder: **1003594**

QUALIFIERS, ACRONYMS, UNITS

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

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

Units Reported	Description
µg/L	Micrograms per Liter
mg/L	Milligrams per Liter

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

Chain of Custody Form

Page 1 of 1

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

ALS Project Manager: | ALS Work Order #: 1005544

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	New Mexico "F" State	A	BTEX/MTBE (8021)
Work Order		Project Number	39122	B	Anions (300) Cl
Company Name	Conestoga-Rovers & Associates	Bill To Company	Conestoga-Rovers & Associates	C	Temp
Send Report To	Todd Wells	Invoice Attn	Todd Wells	D	
Address	2135 S Loop 250 West	Address	2135 S Loop 250 West	E	
				F	
City/State/Zip	Midland, TX 79703	City/State/Zip	Midland, TX 79703	G	
Phone	(432) 686-0086	Phone	(432) 686-0086	H	
Fax	(432) 686-0186	Fax	(432) 686-0186	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-6 32310	3/23/10	1320	W	Hcl / None	5	X	X									
2	Trip Blank	—	—	W	Hcl	2	X										
3	Temp Blank	—	—	W	None	1			X								
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Cory Coleman

Shipment Method: Fedex

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

Results Due Date:

Relinquished by:	Date: 3-23-10	Time: 1500	Received by:	Notes: 10 Day TAT.	
Relinquished by:	Date:	Time:	Received by (Laboratory): 3/24/10 09:35	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

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

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

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

ALS Laboratory Group

Sample Receipt Checklist

Client Name: **CRA-MID** Date/Time Received: **24-Mar-10 09:35**

Work Order: **1003594** Received by: **RNG**

Checklist completed by Robert D. Haris (eSignature) 24-Mar-10 (Date) Reviewed by: Ed B. Fr (eSignature) 25-Mar-10 (Date)

Matrices: waters
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.4c	002	
Cooler(s)/Kit(s):	3374		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

1003SR4

te 3-23-10 FedEx Tracking Number 869810269841

nder's me Cory Coleman Phone 432 686-0086

Company CRA

Address 2135 S. Loop 250 W. Dept/Floor/Suite/Room

y Midland State TX ZIP 79703

ur Internal Billing Reference 039122 - Sampling

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

Date
Nam
Com

CUSTODY SEAL

3-23-10 Time: 1500

e: Cory Coleman

pany: CRA

Seal Broken By: AH

Date: 3/24/10

ALS Environmental

20-Jul-2010

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

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

Re: New Mexico - F- Site Work Order: **1007089**

Dear Patricia,

ALS Laboratory Group received 13 samples on 02-Jul-2010 08:45 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 26.

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

Sincerely,

Hector Coronado

Electronically approved by: Tiffany Van

Hector Coronado
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac
Certificate No: TX: T104704231-10-3

ALS Laboratory Group

Date: 20-Jul-10

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Work Order: **1007089**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1007089-01	MW-3-070110	Water		7/1/2010 11:05	7/2/2010 08:45	☐
1007089-02	MW-4-070110	Water		7/1/2010 10:50	7/2/2010 08:45	☐
1007089-03	MW-5-070110	Water		7/1/2010 10:40	7/2/2010 08:45	☐
1007089-04	MW-6-070110	Water		7/1/2010 10:00	7/2/2010 08:45	☐
1007089-05	MW-7-070110	Water		7/1/2010 10:25	7/2/2010 08:45	☐
1007089-06	MW-8-070110	Water		7/1/2010 10:10	7/2/2010 08:45	☐
1007089-07	RW-1 070110	Water		7/1/2010 12:20	7/2/2010 08:45	☐
1007089-08	RW-2 070110	Water		7/1/2010 12:00	7/2/2010 08:45	☐
1007089-09	RW-3 070110	Water		7/1/2010 11:45	7/2/2010 08:45	☐
1007089-10	WW-1 070110	Water		7/1/2010 11:20	7/2/2010 08:45	☐
1007089-11	WW-2 070110	Water		7/1/2010 11:30	7/2/2010 08:45	☐
1007089-12	Dup-7110	Water		7/1/2010	7/2/2010 08:45	☐
1007089-13	Trip Blank	Water		7/1/2010	7/2/2010 08:45	☐

ALS Laboratory Group

Date: 20-Jul-10

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Work Order: 1007089

Case Narrative

Batch R93856, BTEX, (sample 1007164-01), MS/MSD is for an unrelated sample.

Batch 94233, Anions by E300, (sample MW-3-070110), MS/MSD recoveries were outside the control limits for Chloride.

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: MW-3-070110
Collection Date: 7/1/2010 11:05 AM

Work Order: 1007089
Lab ID: 1007089-01
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	U		0.20	1.0	µg/L	1	7/10/2010 12:47
Toluene	U		0.20	1.0	µg/L	1	7/10/2010 12:47
Ethylbenzene	U		0.20	1.0	µg/L	1	7/10/2010 12:47
Xylenes, Total	U		0.70	3.0	µg/L	1	7/10/2010 12:47
Surr: 4-Bromofluorobenzene	*95.6*			*77-129*	*%REC*	1	7/10/2010 12:47
Surr: Trifluorotoluene	*101*			*75-130*	*%REC*	1	7/10/2010 12:47
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**50.4**		**0.200**	**0.500**	**mg/L**	1	7/18/2010 15:50
Surr: Selenate (surr)	*102*			*85-115*	*%REC*	1	7/18/2010 15:50

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

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: MW-4-070110
Collection Date: 7/1/2010 10:50 AM

Work Order: 1007089
Lab ID: 1007089-02
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			Method: **SW8021B**				Analyst: **KKP**
Benzene	**0.32**	J	**0.20**	**1.0**	**µg/L**	1	7/10/2010 13:06
Toluene	U		0.20	1.0	µg/L	1	7/10/2010 13:06
Ethylbenzene	U		0.20	1.0	µg/L	1	7/10/2010 13:06
Xylenes, Total	U		0.70	3.0	µg/L	1	7/10/2010 13:06
Surr: 4-Bromofluorobenzene	*98.1*			*77-129*	*%REC*	1	7/10/2010 13:06
Surr: Trifluorotoluene	*94.4*			*75-130*	*%REC*	1	7/10/2010 13:06
ANIONS			Method: **E300**				Analyst: **DM**
Chloride	**54.5**		**0.200**	**0.500**	**mg/L**	1	7/18/2010 16:34
Surr: Selenate (surr)	*98.9*			*85-115*	*%REC*	1	7/18/2010 16:34

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

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: MW-5-070110
Collection Date: 7/1/2010 10:40 AM

Work Order: 1007089
Lab ID: 1007089-03
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	U		0.20	1.0	µg/L	1	7/10/2010 13:25
Toluene	U		0.20	1.0	µg/L	1	7/10/2010 13:25
Ethylbenzene	U		0.20	1.0	µg/L	1	7/10/2010 13:25
Xylenes, Total	U		0.70	3.0	µg/L	1	7/10/2010 13:25
Surr: 4-Bromofluorobenzene	*97.6*			*77-129*	*%REC*	1	7/10/2010 13:25
Surr: Trifluorotoluene	*107*			*75-130*	*%REC*	1	7/10/2010 13:25
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**115**		**2.00**	**5.00**	**mg/L**	10	7/19/2010 13:21
Surr: Selenate (surr)	*104*			*85-115*	*%REC*	10	7/19/2010 13:21

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

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: MW-6-070110
Collection Date: 7/1/2010 10:00 AM

Work Order: 1007089
Lab ID: 1007089-04
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	U		0.20	1.0	µg/L	1	7/10/2010 13:44
Toluene	U		0.20	1.0	µg/L	1	7/10/2010 13:44
Ethylbenzene	U		0.20	1.0	µg/L	1	7/10/2010 13:44
Xylenes, Total	U		0.70	3.0	µg/L	1	7/10/2010 13:44
Surr: 4-Bromofluorobenzene	*98.3*			*77-129*	*%REC*	1	7/10/2010 13:44
Surr: Trifluorotoluene	*107*			*75-130*	*%REC*	1	7/10/2010 13:44
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**161**		**2.00**	**5.00**	**mg/L**	10	7/19/2010 13:54
Surr: Selenate (surr)	*101*			*85-115*	*%REC*	10	7/19/2010 13:54

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

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: MW-7-070110
Collection Date: 7/1/2010 10:25 AM

Work Order: 1007089
Lab ID: 1007089-05
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			Method: **SW8021B**				Analyst: **KKP**
Benzene	U		0.20	1.0	µg/L	1	7/10/2010 14:02
Toluene	U		0.20	1.0	µg/L	1	7/10/2010 14:02
Ethylbenzene	U		0.20	1.0	µg/L	1	7/10/2010 14:02
Xylenes, Total	U		0.70	3.0	µg/L	1	7/10/2010 14:02
Surr: 4-Bromofluorobenzene	*98.5*			*77-129*	*%REC*	1	7/10/2010 14:02
Surr: Trifluorotoluene	*107*			*75-130*	*%REC*	1	7/10/2010 14:02
ANIONS			Method: **E300**				Analyst: **DM**
Chloride	**51.2**		**0.200**	**0.500**	**mg/L**	1	7/18/2010 17:17
Surr: Selenate (surr)	*99.3*			*85-115*	*%REC*	1	7/18/2010 17:17

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

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: MW-8-070110
Collection Date: 7/1/2010 10:10 AM

Work Order: 1007089
Lab ID: 1007089-06
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			Method: **SW8021B**				Analyst: **KKP**
Benzene	U		0.20	1.0	µg/L	1	7/10/2010 15:30
Toluene	U		0.20	1.0	µg/L	1	7/10/2010 15:30
Ethylbenzene	U		0.20	1.0	µg/L	1	7/10/2010 15:30
Xylenes, Total	U		0.70	3.0	µg/L	1	7/10/2010 15:30
Surr: 4-Bromofluorobenzene	*95.1*			*77-129*	*%REC*	1	7/10/2010 15:30
Surr: Trifluorotoluene	*104*			*75-130*	*%REC*	1	7/10/2010 15:30
ANIONS			Method: **E300**				Analyst: **DM**
Chloride	**38.4**		**0.200**	**0.500**	**mg/L**	1	7/18/2010 18:30
Surr: Selenate (surr)	*93.8*			*85-115*	*%REC*	1	7/18/2010 18:30

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

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: RW-1 070110
Collection Date: 7/1/2010 12:20 PM

Work Order: 1007089
Lab ID: 1007089-07
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			Method: **SW8021B**				Analyst: **KKP**
Benzene	**22**		**0.20**	**1.0**	**µg/L**	1	7/9/2010 23:33
Toluene	**0.70**	J	**0.20**	**1.0**	**µg/L**	1	7/9/2010 23:33
Ethylbenzene	**2.7**		**0.20**	**1.0**	**µg/L**	1	7/9/2010 23:33
Xylenes, Total	**17**		**0.70**	**3.0**	**µg/L**	1	7/9/2010 23:33
Surr: 4-Bromofluorobenzene	*88.8*			*77-129*	*%REC*	1	7/9/2010 23:33
Surr: Trifluorotoluene	*123*			*75-130*	*%REC*	1	7/9/2010 23:33
ANIONS			Method: **E300**				Analyst: **DM**
Chloride	**41.1**		**0.200**	**0.500**	**mg/L**	1	7/18/2010 18:45
Surr: Selenate (surr)	*97.6*			*85-115*	*%REC*	1	7/18/2010 18:45

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

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: RW-2 070110
Collection Date: 7/1/2010 12:00 PM

Work Order: 1007089
Lab ID: 1007089-08
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX			Method: **SW8021B**				Analyst: **KKP**
Benzene	**1.6**		**0.20**	**1.0**	**µg/L**	1	7/9/2010 23:14
Toluene	U		0.20	1.0	µg/L	1	7/9/2010 23:14
Ethylbenzene	U		0.20	1.0	µg/L	1	7/9/2010 23:14
Xylenes, Total	**6.7**		**0.70**	**3.0**	**µg/L**	1	7/9/2010 23:14
Surr: 4-Bromofluorobenzene	*121*			*77-129*	*%REC*	1	7/9/2010 23:14
Surr: Trifluorotoluene	*118*			*75-130*	*%REC*	1	7/9/2010 23:14
ANIONS			Method: **E300**				Analyst: **DM**
Chloride	**30.1**		**0.200**	**0.500**	**mg/L**	1	7/18/2010 18:59
Surr: Selenate (surr)	*95.6*			*85-115*	*%REC*	1	7/18/2010 18:59

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

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: RW-3 070110
Collection Date: 7/1/2010 11:45 AM

Work Order: 1007089
Lab ID: 1007089-09
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	**6.5**		**0.20**	**1.0**	**µg/L**	1	7/9/2010 22:56
Toluene	U		0.20	1.0	µg/L	1	7/9/2010 22:56
Ethylbenzene	**6.6**		**0.20**	**1.0**	**µg/L**	1	7/9/2010 22:56
Xylenes, Total	**3.0**		**0.70**	**3.0**	**µg/L**	1	7/9/2010 22:56
Surr: 4-Bromofluorobenzene	*125*			*77-129*	*%REC*	1	7/9/2010 22:56
Surr: Trifluorotoluene	*109*			*75-130*	*%REC*	1	7/9/2010 22:56
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**68.3**		**0.200**	**0.500**	**mg/L**	1	7/18/2010 19:14
Surr: Selenate (surr)	*99.3*			*85-115*	*%REC*	1	7/18/2010 19:14

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

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: WW-1 070110
Collection Date: 7/1/2010 11:20 AM

Work Order: 1007089
Lab ID: 1007089-10
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	U		0.20	1.0	µg/L	1	7/9/2010 21:20
Toluene	U		0.20	1.0	µg/L	1	7/9/2010 21:20
Ethylbenzene	U		0.20	1.0	µg/L	1	7/9/2010 21:20
Xylenes, Total	U		0.70	3.0	µg/L	1	7/9/2010 21:20
Surr: 4-Bromofluorobenzene	*97.9*			*77-129*	*%REC*	1	7/9/2010 21:20
Surr: Trifluorotoluene	*95.5*			*75-130*	*%REC*	1	7/9/2010 21:20
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**41.0**		**0.200**	**0.500**	**mg/L**	1	7/18/2010 19:28
Surr: Selenate (surr)	*99.9*			*85-115*	*%REC*	1	7/18/2010 19:28

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

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: WW-2 070110
Collection Date: 7/1/2010 11:30 AM

Work Order: 1007089
Lab ID: 1007089-11
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	U		0.20	1.0	µg/L	1	7/9/2010 21:01
Toluene	U		0.20	1.0	µg/L	1	7/9/2010 21:01
Ethylbenzene	U		0.20	1.0	µg/L	1	7/9/2010 21:01
Xylenes, Total	U		0.70	3.0	µg/L	1	7/9/2010 21:01
Surr: 4-Bromofluorobenzene	*95.2*			*77-129*	*%REC*	1	7/9/2010 21:01
Surr: Trifluorotoluene	*104*			*75-130*	*%REC*	1	7/9/2010 21:01
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**66.3**		**0.200**	**0.500**	**mg/L**	1	7/18/2010 20:12
Surr: Selenate (surr)	*103*			*85-115*	*%REC*	1	7/18/2010 20:12

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

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: Dup-7110
Collection Date: 7/1/2010

Work Order: 1007089
Lab ID: 1007089-12
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	U		0.20	1.0	µg/L	1	7/9/2010 20:42
Toluene	U		0.20	1.0	µg/L	1	7/9/2010 20:42
Ethylbenzene	U		0.20	1.0	µg/L	1	7/9/2010 20:42
Xylenes, Total	U		0.70	3.0	µg/L	1	7/9/2010 20:42
Surr: 4-Bromofluorobenzene	*96.8*			*77-129*	*%REC*	1	7/9/2010 20:42
Surr: Trifluorotoluene	*92.3*			*75-130*	*%REC*	1	7/9/2010 20:42
ANIONS		Method: **E300**					Analyst: **DM**
Chloride	**169**		**2.00**	**5.00**	**mg/L**	10	7/19/2010 14:08
Surr: Selenate (surr)	*105*			*85-115*	*%REC*	10	7/19/2010 14:08

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

ALS Laboratory Group

Date: *20-Jul-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
Sample ID: Trip Blank
Collection Date: 7/1/2010

Work Order: 1007089
Lab ID: 1007089-13
Matrix: WATER

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
BTEX		Method: **SW8021B**					Analyst: **KKP**
Benzene	U		0.20	1.0	µg/L	1	7/9/2010 20:24
Toluene	U		0.20	1.0	µg/L	1	7/9/2010 20:24
Ethylbenzene	U		0.20	1.0	µg/L	1	7/9/2010 20:24
Xylenes, Total	U		0.70	3.0	µg/L	1	7/9/2010 20:24
Surr: 4-Bromofluorobenzene	*93.4*			*77-129*	*%REC*	1	7/9/2010 20:24
Surr: Trifluorotoluene	*104*			*75-130*	*%REC*	1	7/9/2010 20:24

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

ALS Laboratory Group

Date: 20-Jul-10

Client: Conestoga-Rovers & Associates

Work Order: 1007089

Project: New Mexico - F- Site

QC BATCH REPORT

Batch ID: **R93856** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **BBLKW1-070910-R93856** Units: **µg/L** Analysis Date: **7/9/2010 10:46 AM**

Client ID: Run ID: **BTEX1_100709A** SeqNo: **2023015** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*32.17*	1.0	*30*	0	*107*	*77-129*	0			
Surr: Trifluorotoluene	*38.41*	1.0	*30*	0	*128*	*75-130*	0			

MBLK Sample ID: **MEOHW1-070910-R93856** Units: **µg/L** Analysis Date: **7/9/2010 03:05 PM**

Client ID: Run ID: **BTEX1_100709A** SeqNo: **2023126** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*32.28*	1.0	*30*	0	*108*	*77-129*	0			
Surr: Trifluorotoluene	*30.8*	1.0	*30*	0	*103*	*75-130*	0			

LCS Sample ID: **BLCSW1-070910-R93856** Units: **µg/L** Analysis Date: **7/9/2010 10:27 AM**

Client ID: Run ID: **BTEX1_100709A** SeqNo: **2023014** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.23	1.0	20	0	106	77-126	0			
Toluene	21.79	1.0	20	0	109	80-124	0			
Ethylbenzene	21.83	1.0	20	0	109	76-125	0			
Xylenes, Total	63.52	3.0	60	0	106	79-124	0			
Surr: 4-Bromofluorobenzene	*31.36*	1.0	*30*	0	*105*	*77-129*	0			
Surr: Trifluorotoluene	*38.9*	1.0	*30*	0	*130*	*75-130*	0			

MS Sample ID: **1007164-01AMS** Units: **µg/L** Analysis Date: **7/9/2010 12:48 PM**

Client ID: Run ID: **BTEX1_100709A** SeqNo: **2023121** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.46	1.0	20	0	112	77-126	0			
Toluene	23.56	1.0	20	0	118	80-124	0			
Ethylbenzene	23.77	1.0	20	0	119	76-125	0			
Xylenes, Total	68.25	3.0	60	0	114	79-124	0			
Surr: 4-Bromofluorobenzene	*33.25*	1.0	*30*	0	*111*	*77-129*	0			
Surr: Trifluorotoluene	*41.27*	1.0	*30*	0	*138*	*75-130*	0			*S*

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

Client: Conestoga-Rovers & Associates
Work Order: 1007089
Project: New Mexico - F- Site

QC BATCH REPORT

Batch ID: **R93856** Instrument ID **BTEX1** Method: **SW8021B**

MSD Sample ID: **1007164-01AMSD** Units: **µg/L** Analysis Date: **7/9/2010 01:07 PM**

Client ID: Run ID: **BTEX1_100709A** SeqNo: **2023122** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	24.93	1.0	20	0	125	77-126	22.46	10.4	20	
Toluene	23.7	1.0	20	0	118	80-124	23.56	0.567	20	
Ethylbenzene	23.63	1.0	20	0	118	76-125	23.77	0.593	20	
Xylenes, Total	67.71	3.0	60	0	113	79-124	68.25	0.796	20	
Surr: 4-Bromofluorobenzene	*32.62*	1.0	*30*	0	*109*	*77-129*	33.25	*1.91*	*20*	
Surr: Trifluorotoluene	*41.78*	1.0	*30*	0	*139*	*75-130*	41.27	*1.23*	*20*	*S*

The following samples were analyzed in this batch:

1007089-07A	1007089-08A	1007089-09A
1007089-10A	1007089-11A	1007089-12A
1007089-13A		

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

Client: Conestoga-Rovers & Associates
Work Order: 1007089
Project: New Mexico - F- Site

QC BATCH REPORT

Batch ID: **R93873** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **MEOHW1-071010-R93873** Units: **µg/L** Analysis Date: **7/10/2010 12:09 PM**
Client ID: Run ID: **BTEX1_100710A** SeqNo: **2023529** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*29.49*	1.0	*30*	0	*98.3*	*77-129*	0			
Surr: Trifluorotoluene	*28.2*	1.0	*30*	0	*94*	*75-130*	0			

MBLK Sample ID: **BBLKW1-071010-R93873** Units: **µg/L** Analysis Date: **7/10/2010 12:28 PM**
Client ID: Run ID: **BTEX1_100710A** SeqNo: **2023530** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*29.13*	1.0	*30*	0	*97.1*	*77-129*	0			
Surr: Trifluorotoluene	*30.46*	1.0	*30*	0	*102*	*75-130*	0			

LCS Sample ID: **BLCSW1-071010-R93873** Units: **µg/L** Analysis Date: **7/10/2010 11:51 AM**
Client ID: Run ID: **BTEX1_100710A** SeqNo: **2023528** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	18.26	1.0	20	0	91.3	77-126	0			
Toluene	19.45	1.0	20	0	97.2	80-124	0			
Ethylbenzene	20.42	1.0	20	0	102	76-125	0			
Xylenes, Total	60.23	3.0	60	0	100	79-124	0			
Surr: 4-Bromofluorobenzene	*31.05*	1.0	*30*	0	*104*	*77-129*	0			
Surr: Trifluorotoluene	*27.95*	1.0	*30*	0	*93.2*	*75-130*	0			

MS Sample ID: **1007089-05AMS** Units: **µg/L** Analysis Date: **7/10/2010 02:21 PM**
Client ID: **MW-7-070110** Run ID: **BTEX1_100710A** SeqNo: **2023536** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.3	1.0	20	0	101	77-126	0			
Toluene	20.6	1.0	20	0	103	80-124	0			
Ethylbenzene	20.77	1.0	20	0	104	76-125	0			
Xylenes, Total	61.07	3.0	60	0	102	79-124	0			
Surr: 4-Bromofluorobenzene	*30.51*	1.0	*30*	0	*102*	*77-129*	0			
Surr: Trifluorotoluene	*30.26*	1.0	*30*	0	*101*	*75-130*	0			

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

Client: Conestoga-Rovers & Associates
Work Order: 1007089
Project: New Mexico - F- Site

QC BATCH REPORT

Batch ID: **R93873** Instrument ID **BTEX1** Method: **SW8021B**

MSD Sample ID: **1007089-05AMSD** Units: **µg/L** Analysis Date: **7/10/2010 02:40 PM**

Client ID: **MW-7-070110** Run ID: **BTEX1_100710A** SeqNo: **2023537** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.22	1.0	20	0	111	77-126	20.3	9.03	20	
Toluene	21.29	1.0	20	0	106	80-124	20.6	3.32	20	
Ethylbenzene	20.91	1.0	20	0	105	76-125	20.77	0.702	20	
Xylenes, Total	60.98	3.0	60	0	102	79-124	61.07	0.136	20	
Surr: 4-Bromofluorobenzene	*29.87*	1.0	*30*	0	*99.6*	*77-129*	30.51	*2.09*	*20*	
Surr: Trifluorotoluene	*32.44*	1.0	*30*	0	*108*	*75-130*	30.26	*6.95*	*20*	

The following samples were analyzed in this batch:

1007089-01A	1007089-02A	1007089-03A
1007089-04A	1007089-05A	1007089-06A

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

Client: Conestoga-Rovers & Associates
Work Order: 1007089
Project: New Mexico - F- Site

QC BATCH REPORT

Batch ID: **R94233** Instrument ID **ICS2100** Method: **E300**

MBLK Sample ID: **WBLKW1-071810-R94233** Units: **mg/L** Analysis Date: **7/18/2010 03:06 PM**
Client ID: Run ID: **ICS2100_100718B** SeqNo: **2031474** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	U	0.50								
Surr: Selenate (surr)	*4.953*	0.10	*5*	0	*99.1*	*85-115*	0			

LCS Sample ID: **WLCSW1-071810-R94233** Units: **mg/L** Analysis Date: **7/18/2010 03:21 PM**
Client ID: Run ID: **ICS2100_100718B** SeqNo: **2031475** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	18.85	0.50	20	0	94.2	90-110	0			
Surr: Selenate (surr)	*4.587*	0.10	*5*	0	*91.7*	*85-115*	0			

LCSD Sample ID: **WLCSDW1-071810-R94233** Units: **mg/L** Analysis Date: **7/18/2010 03:35 PM**
Client ID: Run ID: **ICS2100_100718B** SeqNo: **2031476** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	19.16	0.50	20	0	95.8	90-110	18.85	1.66	20	
Surr: Selenate (surr)	*4.709*	0.10	*5*	0	*94.2*	*85-115*	4.587	*2.62*	*20*	

MS Sample ID: **1007089-01BMS** Units: **mg/L** Analysis Date: **7/18/2010 04:05 PM**
Client ID: **MW-3-070110** Run ID: **ICS2100_100718B** SeqNo: **2031478** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	54.79	0.50	10	50.41	43.8	80-120	0			SO
Surr: Selenate (surr)	*4.711*	0.10	*5*	0	*94.2*	*85-115*	0			

MS Sample ID: **1007089-10BMS** Units: **mg/L** Analysis Date: **7/18/2010 07:43 PM**
Client ID: **WW-1 070110** Run ID: **ICS2100_100718B** SeqNo: **2031491** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	50.28	0.50	10	40.99	92.9	80-120	0			O
Surr: Selenate (surr)	*4.983*	0.10	*5*	0	*99.7*	*85-115*	0			

MSD Sample ID: **1007089-01BMSD** Units: **mg/L** Analysis Date: **7/18/2010 04:19 PM**
Client ID: **MW-3-070110** Run ID: **ICS2100_100718B** SeqNo: **2031480** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	77.09	0.50	10	50.41	267	80-120	54.79	33.8	20	SRO
Surr: Selenate (surr)	*4.873*	0.10	*5*	0	*97.5*	*85-115*	4.711	*3.38*	*20*	

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

Client: Conestoga-Rovers & Associates
Work Order: 1007089
Project: New Mexico - F- Site

QC BATCH REPORT

Batch ID: **R94233** Instrument ID **ICS2100** Method: **E300**

MSD Sample ID: **1007089-10BMSD** Units: **mg/L** Analysis Date: **7/18/2010 07:57 PM**
Client ID: **WW-1 070110** Run ID: **ICS2100_100718B** SeqNo: **2031492** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	49.77	0.50	10	40.99	87.8	80-120	50.28	1.02	20	O
Surr: Selenate (surr)	*4.932*	0.10	*5*	0	*98.6*	*85-115*	4.983	*1.03*	*20*	

The following samples were analyzed in this batch:

1007089-01B	1007089-02B	1007089-03B
1007089-04B	1007089-05B	1007089-06B
1007089-07B	1007089-08B	1007089-09B
1007089-10B	1007089-11B	1007089-12B

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

ALS Laboratory Group

Date: 20-Jul-10

Client: Conestoga-Rovers & Associates
Project: New Mexico - F- Site
WorkOrder: 1007089

QUALIFIERS, ACRONYMS, UNITS

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

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

Units Reported	Description
µg/L	Micrograms per Liter
mg/L	Milligrams per Liter

☐ ALS Laboratory Group
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Chain of Custody Form

☐ ALS Laboratory Group
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Holland, MI 49424-9263
Tel: +1 616 399 6070
Fax: +1 616 399 6185

Page 1 of 2

ALS Project Manager: | ALS Work Order #: 1007014

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	New Mexico "F" site	A	BTEX (8021)
Work Order		Project Number	39122	B	~~[illegible]~~ Chlorides
Company Name	Conestoga-Rovers & Associates	Bill To Company	Conestoga-Rovers & Associates	C	Temp
Send Report To	Patricia Lynch	Invoice Attn	Patricia Lynch	D	
Address	6320 Rothway, Suite 100	Address	6320 Rothway, Suite 100	E	
				F	
City/State/Zip	Houston, TX 77040	City/State/Zip	Houston, TX 77040	G	
Phone	(713) 734-3090	Phone	(713) 734-3090	H	
Fax	(713) 734-3391	Fax	(713) 734-3391	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-3 070110	7-1-10	1105	WT	HCl/None	4	X	X									
2	MW-4 070110	7-1-10	1050	WT		4	X	X									
3	MW-5 070110	7-1-10	1040	WT		4	X	X									
4	MW-6 070110	7-1-10	1000	WT		4	X	X									
5	MW-7 070110	7-1-10	1025	WT		4	X	X									
6	MW-8 070110	7-1-10	1010	WT		4	X	X									
7	RW-1 070110	7-1-10	1220	WT		4	X	X									
8	RW-2 070110	7-1-10	1200	WT		4	X	X									
9	RW-3 070110	7-1-10	1145	WT		4	X	X									
10	WW-1 070110	7-1-10	1120	WT	HCl/None	4	X	X									

Sampler(s) Please Print & Sign: Cory Coleman

Shipment Method: Fedex

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

Results Due Date:

Relinquished by: | Date: 7-1-10 | Time: 1600 | Received by:

Relinquished by: | Date: | Time: | Received by (Laboratory): 7-2-10 0845

Notes: 10 Day TAT.

Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory):

Cooler ID | Cooler Temp

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

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

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

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

Chain of Custody Form

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

ALS Project Manager: | ALS Work Order #: 1007084

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	New Mexico "F" site	A	BTEX (8021)
Work Order		Project Number	39122	B	~~2~~ Chlorides
Company Name	Conestoga-Rovers & Associates	Bill To Company	Conestoga-Rovers & Associates	C	Temp
Send Report To	Patricia Lynch	Invoice Attn	Patricia Lynch	D	
Address	6320 Rothway, Suite 100	Address	6320 Rothway, Suite 100	E	
				F	
City/State/Zip	Houston, TX 77040	City/State/Zip	Houston, TX 77040	G	
Phone	(713) 734-3090	Phone	(713) 734-3090	H	
Fax	(713) 734-3391	Fax	(713) 734-3391	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	WW-2 070110	7-1-10	1130	WT	HCL/None	4	X	X									
2	Dup - 070110	7-1-10	—	WT	HCL/None	4	X	X									
3	Temp Blank	—	—	WT	None	1			X								
4	Trip Blank	—	—	WT	HCL	2	X										
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Cory Coleman

Shipment Method: Fedex

Required Turnaround Time: (Check Box) ☐ Same Day ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days ☐ 10 Days ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes:
	7-1-10	1600		10 Day TAT.
Relinquished by:	Date:	Time:	Received by (Laboratory):	
			7-2-10	0845
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID | Cooler Temp.

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

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

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

ALS Laboratory Group

Sample Receipt Checklist

Client Name: **CRA-HOU** Date/Time Received: **02-Jul-10 08:45**

Work Order: **1007089** Received by: **RSZ**

Checklist completed by Robert D. Harris (eSignature) 02-Jul-10 (Date) Reviewed by: Hector Caranada (eSignature) 05-Jul-10 (Date)

Matrices: waters
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.3c	002	
Cooler(s)/Kit(s):	1815		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

ALS Environmental

11-Oct-2010

Desiree Crenshaw
Conestoga-Rovers & Associates
2135 S Loop 250 West
Midland, TX 79703

Tel: (432) 686-0086
Fax: (432) 686-0186

Re: F State - 039122 Work Order: **1009839**

Dear Desiree,

ALS Environmental received 1 sample on 25-Sep-2010 09:00 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 13.

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

Sincerely,

Electronically approved by: Mary K. Knowles

Hector Coronado
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac
Certificate No: TX: T104704231-10-3

ALS Environmental

Date: 11-Oct-10

Client: Conestoga-Rovers & Associates
Project: F State - 039122
Work Order: 1009839

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1009839-01	MW-6	Water		9/22/2010 09:55	9/25/2010 09:00	☐

ALS Environmental *Date: 11-Oct-10*

Client:	Conestoga-Rovers & Associates
Project:	F State - 039122
Work Order:	1009839

Case Narrative

Batch R98366, BTEX, (sample 1009829-01), MS/MSD is for an unrelated sample.

ALS Group USA, Corp.

Date: *11-Oct-10*

CLIENT:	Conestoga-Rovers & Associates	**Client Sample ID:**	MW-6
Work Order:	1009839	**Tag Number:**	
Project:	F State - 039122	**Collection Date:**	9/22/2010 9:55:00 AM
Lab ID:	1009839-01A	**Matrix:**	WATER

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
BTEX			**SW8021B**			Analyst: **IGF**
Benzene	0.33	1.0	J	µg/L	1	10/4/2010 10:45:00 PM
Toluene	U	1.0		µg/L	1	10/4/2010 10:45:00 PM
Ethylbenzene	U	1.0		µg/L	1	10/4/2010 10:45:00 PM
Xylenes, Total	U	3.0		µg/L	1	10/4/2010 10:45:00 PM
Surr: 4-Bromofluorobenzene	103	77-129		%REC	1	10/4/2010 10:45:00 PM
Surr: Trifluorotoluene	114	75-130		%REC	1	10/4/2010 10:45:00 PM

Qualifiers:

U - Analyzed for but Not Detected

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

P - Dual Column results percent difference > 40%

E - Value above quantitation range

H - Analyzed outside of Hold Time

ALS Group USA, Corp.

Date: *11-Oct-10*

CLIENT:	Conestoga-Rovers & Associates	**Client Sample ID:**	MW-6
Work Order:	1009839	**Tag Number:**	
Project:	F State - 039122	**Collection Date:**	9/22/2010 9:55:00 AM
Lab ID:	1009839-01B	**Matrix:**	WATER

Analyses	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed
ANIONS			**E300**			Analyst: **DM**
Chloride	157	5.00		mg/L	10	9/28/2010 8:46:00 PM
Surr: Selenate (surr)	105	85-115		%REC	10	9/28/2010 8:46:00 PM

Qualifiers:

U - Analyzed for but Not Detected

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

P - Dual Column results percent difference > 40%

E - Value above quantitation range

H - Analyzed outside of Hold Time

ALS Environmental

Date: 11-Oct-10

Client: Conestoga-Rovers & Associates

Work Order: 1009839

Project: F State - 039122

QC BATCH REPORT

Batch ID: **R98366** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **MEOHW2-100410-R98366** Units: **µg/L** Analysis Date: **10/4/2010 08:32 PM**

Client ID: Run ID: **BTEX1_101004B** SeqNo: **2116664** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*30.43*	1.0	*30*	0	*101*	*77-129*	0			
Surr: Trifluorotoluene	*33.51*	1.0	*30*	0	*112*	*75-130*	0			

MBLK Sample ID: **BBLKW2-100410-R98366** Units: **µg/L** Analysis Date: **10/4/2010 08:51 PM**

Client ID: Run ID: **BTEX1_101004B** SeqNo: **2116665** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	1.0								
Toluene	U	1.0								
Ethylbenzene	U	1.0								
Xylenes, Total	U	3.0								
Surr: 4-Bromofluorobenzene	*31.69*	1.0	*30*	0	*106*	*77-129*	0			
Surr: Trifluorotoluene	*34.2*	1.0	*30*	0	*114*	*75-130*	0			

LCS Sample ID: **BLCSW2-100410-R98366** Units: **µg/L** Analysis Date: **10/4/2010 08:13 PM**

Client ID: Run ID: **BTEX1_101004B** SeqNo: **2116663** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.38	1.0	20	0	102	77-126	0			
Toluene	20.18	1.0	20	0	101	80-124	0			
Ethylbenzene	19.73	1.0	20	0	98.6	76-125	0			
Xylenes, Total	60.67	3.0	60	0	101	79-124	0			
Surr: 4-Bromofluorobenzene	*32.05*	1.0	*30*	0	*107*	*77-129*	0			
Surr: Trifluorotoluene	*34.35*	1.0	*30*	0	*114*	*75-130*	0			

MS Sample ID: **1009829-01AMS** Units: **µg/L** Analysis Date: **10/4/2010 09:29 PM**

Client ID: Run ID: **BTEX1_101004B** SeqNo: **2116667** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	339.2	1.0	20	335.9	16.5	77-126	0			SEO
Toluene	23.32	1.0	20	0	117	80-124	0			
Ethylbenzene	30.33	1.0	20	7.958	112	76-125	0			
Xylenes, Total	73.58	3.0	60	3.977	116	79-124	0			
Surr: 4-Bromofluorobenzene	*31.94*	1.0	*30*	0	*106*	*77-129*	0			
Surr: Trifluorotoluene	*37.19*	1.0	*30*	0	*124*	*75-130*	0			

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

Client: Conestoga-Rovers & Associates
Work Order: 1009839
Project: F State - 039122

QC BATCH REPORT

Batch ID: **R98366** Instrument ID **BTEX1** Method: **SW8021B**

MSD Sample ID: **1009829-01AMSD** Units: **µg/L** Analysis Date: **10/4/2010 09:48 PM**

Client ID: Run ID: **BTEX1_101004B** SeqNo: **2116668** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	298.3	1.0	20	335.9	-188	77-126	339.2	12.8	20	SEO
Toluene	20.36	1.0	20	0	102	80-124	23.32	13.6	20	
Ethylbenzene	26.45	1.0	20	7.958	92.5	76-125	30.33	13.7	20	
Xylenes, Total	64.69	3.0	60	3.977	101	79-124	73.58	12.9	20	
Surr: 4-Bromofluorobenzene	*35.35*	1.0	*30*	0	*118*	*77-129*	31.94	*10.1*	*20*	
Surr: Trifluorotoluene	*31.7*	1.0	*30*	0	*106*	*75-130*	37.19	*16*	*20*	

The following samples were analyzed in this batch: 1009839-01A

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

Client: Conestoga-Rovers & Associates
Work Order: 1009839
Project: F State - 039122

QC BATCH REPORT

Batch ID: **R97936** Instrument ID **ICS3K2** Method: **E300**

MBLK Sample ID: **WBLKW2-092810-R97936** Units: **mg/L** Analysis Date: **9/28/2010 09:06 AM**
Client ID: Run ID: **ICS3K2_100928A** SeqNo: **2106927** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	0.42	0.50								J
Surr: Selenate (surr)	*5.185*	0.10	*5*	0	*104*	*85-115*	0			

LCS Sample ID: **WLCSW2-092810-R97936** Units: **mg/L** Analysis Date: **9/28/2010 09:28 AM**
Client ID: Run ID: **ICS3K2_100928A** SeqNo: **2106928** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	19.82	0.50	20	0	99.1	90-110	0			
Surr: Selenate (surr)	*5.178*	0.10	*5*	0	*104*	*85-115*	0			

LCSD Sample ID: **WLCSDW2-092810-R97936** Units: **mg/L** Analysis Date: **9/28/2010 09:49 AM**
Client ID: Run ID: **ICS3K2_100928A** SeqNo: **2106930** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	19.28	0.50	20	0	96.4	90-110	19.82	2.74	20	
Surr: Selenate (surr)	*4.989*	0.10	*5*	0	*99.8*	*85-115*	*5.178*	*3.72*	*20*	

MS Sample ID: **1009870-01BMS** Units: **mg/L** Analysis Date: **9/28/2010 10:33 AM**
Client ID: Run ID: **ICS3K2_100928A** SeqNo: **2106932** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	75.31	0.50	10	66.98	83.4	80-120	0			O
Surr: Selenate (surr)	*5.105*	0.10	*5*	0	*102*	*85-115*	0			

MS Sample ID: **1009823-01EMS** Units: **mg/L** Analysis Date: **9/28/2010 04:47 PM**
Client ID: Run ID: **ICS3K2_100928A** SeqNo: **2106972** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	92.43	0.50	10	84.88	75.5	80-120	0			SO
Surr: Selenate (surr)	*4.967*	0.10	*5*	0	*99.3*	*85-115*	0			

MSD Sample ID: **1009870-01BMSD** Units: **mg/L** Analysis Date: **9/28/2010 10:54 AM**
Client ID: Run ID: **ICS3K2_100928A** SeqNo: **2106933** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	75.29	0.50	10	66.98	83.1	80-120	75.31	0.0305	20	O
Surr: Selenate (surr)	*5.101*	0.10	*5*	0	*102*	*85-115*	5.105	*0.0784*	*20*	

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

Client: Conestoga-Rovers & Associates
Work Order: 1009839
Project: F State - 039122

QC BATCH REPORT

Batch ID: **R97936** Instrument ID **ICS3K2** Method: **E300**

MSD Sample ID: **1009823-01EMSD** Units: **mg/L** Analysis Date: **9/28/2010 05:52 PM**
Client ID: Run ID: **ICS3K2_100928A** SeqNo: **2106978** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	92.52	0.50	10	84.88	76.3	80-120	92.43	0.0941	20	SO
Surr: Selenate (surr)	*4.977*	0.10	*5*	0	*99.5*	*85-115*	4.967	*0.201*	*20*	

The following samples were analyzed in this batch: 1009839-01B

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

ALS Environmental

Date: 11-Oct-10

Client: Conestoga-Rovers & Associates
Project: F State - 039122
WorkOrder: 1009839

QUALIFIERS, ACRONYMS, UNITS

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

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

Units Reported	Description
µg/L	Micrograms per Liter
mg/L	Milligrams per Liter

ALS Environmental

Sample Receipt Checklist

Client Name: **CRA-MID** Date/Time Received: **25-Sep-10 09:00**

Work Order: **1009839** Received by: **RDH**

Checklist completed by HebCamb 25-Sep-10 Reviewed by: HebCamb 27-Sep-10
eSignature Date eSignature Date

Matrices: water
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.2	002	
Cooler(s)/Kit(s):	Large B/W		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

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

Chain of Custody Form

Page _____ of _____

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

ALS Project Manager: | ALS Work Order #: 1009839

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	F State	A	BTEX 8021B
Work Order		Project Number	039122	B	Cl- 300
Company Name	CRA	Bill To Company	CRA	C	
Send Report To	Desiree' Crenshaw	Invoice Attn		D	
Address	2135 S Loop 250 W ~~Mid~~ DL	Address		E	
				F	
City/State/Zip	Midland, TX 79703	City/State/Zip		G	
Phone	~~2439~~ 432 686 0086	Phone		H	
Fax		Fax		I	
e-Mail Address	dcrenshaw@craworld.com	e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-6	9-22-10	955	W			✓	✓									
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Desiree Crenshaw

Shipment Method

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes:
	9-22-10	1630		
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID / Cooler Temp
			9/25/10 0900	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

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

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

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

From: Origin ID: MAFA (432) 686-0086
Dora Jo Malloch
CONESTOGA-ROVERS & ASSOCIATES
2135 S LOOP 250 W

MIDLAND, TX 79703

Ship Date: 24SEP10
ActWgt: 20.0 LB
CAD: 8303339/INET3090

Dims: 24 X 12 X 12 IN

Delivery Address Bar Code

Ref # 039122 D Crenshaw
Invoice #
PO #
Dept #

SHIP TO: (281) 530-5656 BILL SENDER
Sample Recieving
ALS Laboratory Group
10450 STANCLIFF RD STE 210

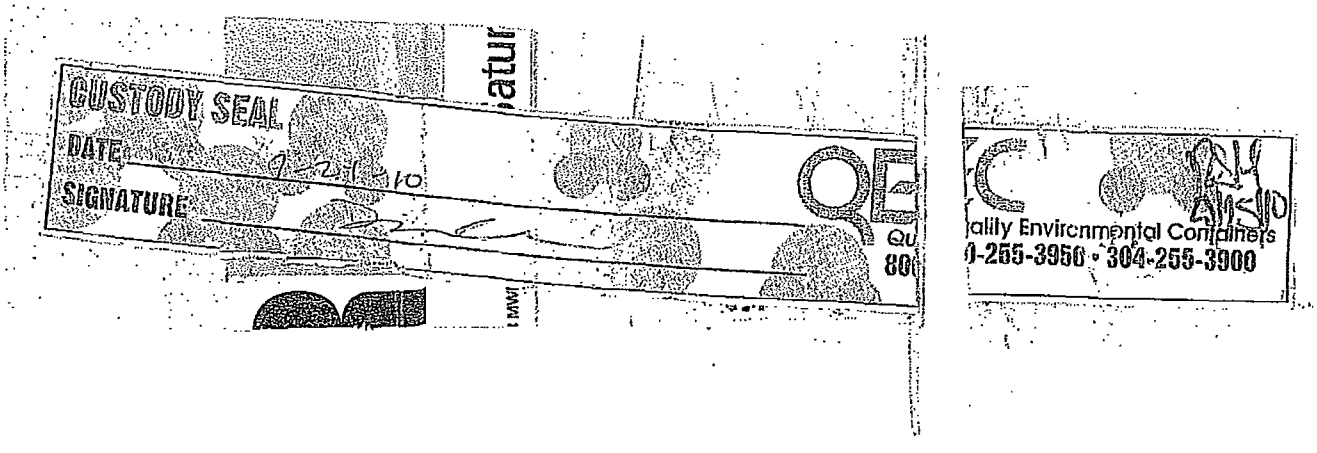
HOUSTON, TX 77099

TRK# 0201 7962 7950 6544

SATURDAY ### A2
PRIORITY OVERNIGHT
DSR

77099
TX-US
IAH

X0 SGRA



ALS Environmental

29-Nov-2010

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

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

Re: New Mexico -F- State -SSOW 039122 Work Order: **1011495**

Dear Patricia,

ALS Environmental received 10 samples on 11-Nov-2010 09:10 AM for the analyses presented in the following report.

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

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

The total number of pages in this report is 22.

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

Sincerely,

Hector Coronado

Electronically approved by: Glenda H. Ramos

Hector Coronado
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac
Certificate No: TX: T104704231-10-3

ALS Environmental

Date: 29-Nov-10

Client: Conestoga-Rovers & Associates
Project: New Mexico -F- State -SSOW 039122
Work Order: 1011495

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
1011495-01	MW-3-110910	Water		11/9/2010 12:05	11/11/2010 09:10	☐
1011495-02	MW-4-110910	Water		11/9/2010 12:20	11/11/2010 09:10	☐
1011495-03	MW-5-110910	Water		11/9/2010 13:35	11/11/2010 09:10	☐
1011495-04	MW-6-110910	Water		11/9/2010 13:05	11/11/2010 09:10	☐
1011495-05	MW-7-110910	Water		11/9/2010 12:30	11/11/2010 09:10	☐
1011495-06	MW-8-110910	Water		11/9/2010 11:40	11/11/2010 09:10	☐
1011495-07	WW-1-110910	Water		11/9/2010 12:50	11/11/2010 09:10	☐
1011495-08	WW-2-110910	Water		11/9/2010 12:45	11/11/2010 09:10	☐
1011495-09	Dup-110910	Water		11/9/2010	11/11/2010 09:10	☐
1011495-10	Trip	Water		11/9/2010	11/11/2010 09:10	☐

ALS Environmental

Date: *29-Nov-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico -F- State -SSOW 039122
Sample ID: MW-3-110910
Collection Date: 11/9/2010 12:05 PM

Work Order: 1011495
Lab ID: 1011495-01
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX			**SW8021B**				Analyst: **IGF**
Benzene	ND		0.0010	mg/L	1		11/20/2010 03:54 PM
Toluene	ND		0.0010	mg/L	1		11/20/2010 03:54 PM
Ethylbenzene	ND		0.0010	mg/L	1		11/20/2010 03:54 PM
Xylenes, Total	ND		0.0030	mg/L	1		11/20/2010 03:54 PM
Surr: 4-Bromofluorobenzene	*86.6*		*77-129*	*%REC*	1		11/20/2010 03:54 PM
Surr: Trifluorotoluene	*94.6*		*75-130*	*%REC*	1		11/20/2010 03:54 PM
ANIONS			**E300**				Analyst: **DM**
Chloride	**64.0**		**0.500**	**mg/L**	1		11/23/2010 12:05 PM
Surr: Selenate (surr)	*104*		*85-115*	*%REC*	1		11/23/2010 12:05 PM

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

ALS Environmental

Date: *29-Nov-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico -F- State -SSOW 039122
Work Order: 1011495
Sample ID: MW-4-110910
Lab ID: 1011495-02
Collection Date: 11/9/2010 12:20 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX			**SW8021B**				Analyst: **IGF**
Benzene	ND		0.0010	mg/L	1		11/20/2010 12:25 PM
Toluene	ND		0.0010	mg/L	1		11/20/2010 12:25 PM
Ethylbenzene	ND		0.0010	mg/L	1		11/20/2010 12:25 PM
Xylenes, Total	ND		0.0030	mg/L	1		11/20/2010 12:25 PM
Surr: 4-Bromofluorobenzene	*83.1*		*77-129*	*%REC*	1		11/20/2010 12:25 PM
Surr: Trifluorotoluene	*95.5*		*75-130*	*%REC*	1		11/20/2010 12:25 PM
ANIONS			**E300**				Analyst: **DM**
Chloride	**57.5**		**0.500**	**mg/L**	1		11/23/2010 12:27 PM
Surr: Selenate (surr)	*103*		*85-115*	*%REC*	1		11/23/2010 12:27 PM

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

ALS Environmental

Date: *29-Nov-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico -F- State -SSOW 039122
Sample ID: MW-5-110910
Collection Date: 11/9/2010 01:35 PM

Work Order: 1011495
Lab ID: 1011495-03
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX			**SW8021B**				Analyst: **IGF**
Benzene	ND		0.0010	mg/L	1		11/20/2010 12:44 PM
Toluene	ND		0.0010	mg/L	1		11/20/2010 12:44 PM
Ethylbenzene	ND		0.0010	mg/L	1		11/20/2010 12:44 PM
Xylenes, Total	ND		0.0030	mg/L	1		11/20/2010 12:44 PM
Surr: 4-Bromofluorobenzene	*88.8*		*77-129*	*%REC*	1		11/20/2010 12:44 PM
Surr: Trifluorotoluene	*91.3*		*75-130*	*%REC*	1		11/20/2010 12:44 PM
ANIONS			**E300**				Analyst: **DM**
Chloride	**168**		**5.00**	**mg/L**	10		11/23/2010 01:54 PM
Surr: Selenate (surr)	*103*		*85-115*	*%REC*	10		11/23/2010 01:54 PM

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

ALS Environmental

Date: *29-Nov-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico -F- State -SSOW 039122
Work Order: 1011495
Sample ID: MW-6-110910
Lab ID: 1011495-04
Collection Date: 11/9/2010 01:05 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX			**SW8021B**				Analyst: **IGF**
Benzene	ND		0.0010	mg/L	1		11/20/2010 01:43 PM
Toluene	ND		0.0010	mg/L	1		11/20/2010 01:43 PM
Ethylbenzene	**0.0010**		**0.0010**	**mg/L**	1		11/20/2010 01:43 PM
Xylenes, Total	ND		0.0030	mg/L	1		11/20/2010 01:43 PM
Surr: 4-Bromofluorobenzene	*87.0*		*77-129*	*%REC*	1		11/20/2010 01:43 PM
Surr: Trifluorotoluene	*92.8*		*75-130*	*%REC*	1		11/20/2010 01:43 PM
ANIONS			**E300**				Analyst: **DM**
Chloride	**182**		**5.00**	**mg/L**	10		11/23/2010 02:15 PM
Surr: Selenate (surr)	*103*		*85-115*	*%REC*	10		11/23/2010 02:15 PM

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

ALS Environmental

Date: *29-Nov-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico -F- State -SSOW 039122
Work Order: 1011495
Sample ID: MW-7-110910
Lab ID: 1011495-05
Collection Date: 11/9/2010 12:30 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX			**SW8021B**				Analyst: **IGF**
Benzene	ND		0.0010	mg/L	1		11/20/2010 12:44 PM
Toluene	ND		0.0010	mg/L	1		11/20/2010 12:44 PM
Ethylbenzene	ND		0.0010	mg/L	1		11/20/2010 12:44 PM
Xylenes, Total	ND		0.0030	mg/L	1		11/20/2010 12:44 PM
Surr: 4-Bromofluorobenzene	*106*		*77-129*	*%REC*	1		11/20/2010 12:44 PM
Surr: Trifluorotoluene	*109*		*75-130*	*%REC*	1		11/20/2010 12:44 PM
ANIONS			**E300**				Analyst: **DM**
Chloride	**67.1**		**0.500**	**mg/L**	1		11/23/2010 02:37 PM
Surr: Selenate (surr)	*103*		*85-115*	*%REC*	1		11/23/2010 02:37 PM

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

ALS Environmental

Date: *29-Nov-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico -F- State -SSOW 039122
Work Order: 1011495
Sample ID: MW-8-110910
Lab ID: 1011495-06
Collection Date: 11/9/2010 11:40 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX			**SW8021B**				Analyst: **IGF**
Benzene	ND		0.0010	mg/L	1		11/20/2010 02:02 PM
Toluene	ND		0.0010	mg/L	1		11/20/2010 02:02 PM
Ethylbenzene	ND		0.0010	mg/L	1		11/20/2010 02:02 PM
Xylenes, Total	ND		0.0030	mg/L	1		11/20/2010 02:02 PM
Surr: 4-Bromofluorobenzene	*87.8*		*77-129*	*%REC*	1		11/20/2010 02:02 PM
Surr: Trifluorotoluene	*93.1*		*75-130*	*%REC*	1		11/20/2010 02:02 PM
ANIONS			**E300**				Analyst: **DM**
Chloride	**47.6**		**0.500**	**mg/L**	1		11/23/2010 02:59 PM
Surr: Selenate (surr)	*103*		*85-115*	*%REC*	1		11/23/2010 02:59 PM

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

ALS Environmental

Date: *29-Nov-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico -F- State -SSOW 039122
Work Order: 1011495
Sample ID: WW-1-110910
Lab ID: 1011495-07
Collection Date: 11/9/2010 12:50 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX			**SW8021B**				Analyst: **IGF**
Benzene	ND		0.0010	mg/L	1		11/20/2010 02:22 PM
Toluene	ND		0.0010	mg/L	1		11/20/2010 02:22 PM
Ethylbenzene	ND		0.0010	mg/L	1		11/20/2010 02:22 PM
Xylenes, Total	ND		0.0030	mg/L	1		11/20/2010 02:22 PM
Surr: 4-Bromofluorobenzene	*88.1*		*77-129*	*%REC*	1		11/20/2010 02:22 PM
Surr: Trifluorotoluene	*93.4*		*75-130*	*%REC*	1		11/20/2010 02:22 PM
ANIONS			**E300**				Analyst: **DM**
Chloride	**77.0**		**0.500**	**mg/L**	1		11/23/2010 03:20 PM
Surr: Selenate (surr)	*105*		*85-115*	*%REC*	1		11/23/2010 03:20 PM

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

ALS Environmental

Date: *29-Nov-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico -F- State -SSOW 039122
Work Order: 1011495
Sample ID: WW-2-110910
Lab ID: 1011495-08
Collection Date: 11/9/2010 12:45 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX			**SW8021B**				Analyst: **IGF**
Benzene	ND		0.0010	mg/L	1		11/20/2010 03:15 PM
Toluene	ND		0.0010	mg/L	1		11/20/2010 03:15 PM
Ethylbenzene	ND		0.0010	mg/L	1		11/20/2010 03:15 PM
Xylenes, Total	ND		0.0030	mg/L	1		11/20/2010 03:15 PM
Surr: 4-Bromofluorobenzene	*84.9*		*77-129*	*%REC*	1		11/20/2010 03:15 PM
Surr: Trifluorotoluene	*93.6*		*75-130*	*%REC*	1		11/20/2010 03:15 PM
ANIONS			**E300**				Analyst: **DM**
Chloride	**77.2**		**0.500**	**mg/L**	1		11/23/2010 03:42 PM
Surr: Selenate (surr)	*105*		*85-115*	*%REC*	1		11/23/2010 03:42 PM

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

ALS Environmental

Date: *29-Nov-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico -F- State -SSOW 039122
Work Order: 1011495
Sample ID: Dup-110910
Lab ID: 1011495-09
Collection Date: 11/9/2010
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX			**SW8021B**				Analyst: **IGF**
Benzene	ND		0.0010	mg/L	1		11/20/2010 03:35 PM
Toluene	ND		0.0010	mg/L	1		11/20/2010 03:35 PM
Ethylbenzene	ND		0.0010	mg/L	1		11/20/2010 03:35 PM
Xylenes, Total	ND		0.0030	mg/L	1		11/20/2010 03:35 PM
Surr: 4-Bromofluorobenzene	*87.9*		*77-129*	*%REC*	1		11/20/2010 03:35 PM
Surr: Trifluorotoluene	*93.4*		*75-130*	*%REC*	1		11/20/2010 03:35 PM
ANIONS			**E300**				Analyst: **DM**
Chloride	**58.4**		**0.500**	**mg/L**	1		11/23/2010 04:04 PM
Surr: Selenate (surr)	*104*		*85-115*	*%REC*	1		11/23/2010 04:04 PM

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

ALS Environmental

Date: *29-Nov-10*

Client: Conestoga-Rovers & Associates
Project: New Mexico -F- State -SSOW 039122
Work Order: 1011495
Sample ID: Trip
Lab ID: 1011495-10
Collection Date: 11/9/2010
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Prep	Date Analyzed
BTEX			**SW8021B**				Analyst: **IGF**
Benzene	ND		0.0010	mg/L	1		11/20/2010 10:15 PM
Toluene	ND		0.0010	mg/L	1		11/20/2010 10:15 PM
Ethylbenzene	ND		0.0010	mg/L	1		11/20/2010 10:15 PM
Xylenes, Total	ND		0.0030	mg/L	1		11/20/2010 10:15 PM
Surr: 4-Bromofluorobenzene	*102*		*77-129*	*%REC*	1		11/20/2010 10:15 PM
Surr: Trifluorotoluene	*104*		*75-130*	*%REC*	1		11/20/2010 10:15 PM

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

ALS Environmental

Date: 29-Nov-10

Client: Conestoga-Rovers & Associates

Work Order: 1011495

Project: New Mexico -F- State -SSOW 039122

QC BATCH REPORT

Batch ID: **R101264** Instrument ID **BTEX3** Method: **SW8021B**

MBLK Sample ID: **BBLKW1-112010-R101264** Units: µg/L Analysis Date: **11/20/2010 11:42 A**

Client ID: Run ID: **BTEX3_101120A** SeqNo: **2181823** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	*25.76*	1.0	*30*	0	*85.9*	*77-129*	0			
Surr: Trifluorotoluene	*27.58*	1.0	*30*	0	*91.9*	*75-130*	0			

LCS Sample ID: **BLCSW1-112010-R101264** Units: µg/L Analysis Date: **11/20/2010 11:03 A**

Client ID: Run ID: **BTEX3_101120A** SeqNo: **2181822** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	19.84	1.0	20	0	99.2	77-126	0			
Toluene	19.88	1.0	20	0	99.4	80-124	0			
Ethylbenzene	19.37	1.0	20	0	96.8	76-125	0			
Xylenes, Total	58.72	3.0	60	0	97.9	79-124	0			
Surr: 4-Bromofluorobenzene	*26.27*	1.0	*30*	0	*87.6*	*77-129*	0			
Surr: Trifluorotoluene	*28.05*	1.0	*30*	0	*93.5*	*75-130*	0			

MS Sample ID: **1011495-03AMS** Units: µg/L Analysis Date: **11/20/2010 01:04 PM**

Client ID: **MW-5-110910** Run ID: **BTEX3_101120A** SeqNo: **2181826** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.46	1.0	20	0	107	77-126	0			
Toluene	21.2	1.0	20	0	106	80-124	0			
Ethylbenzene	20.5	1.0	20	0.2528	101	76-125	0			
Xylenes, Total	62.39	3.0	60	0.5277	103	79-124	0			
Surr: 4-Bromofluorobenzene	*27.27*	1.0	*30*	0	*90.9*	*77-129*	0			
Surr: Trifluorotoluene	*28.07*	1.0	*30*	0	*93.6*	*75-130*	0			

MSD Sample ID: **1011495-03AMSD** Units: µg/L Analysis Date: **11/20/2010 01:23 PM**

Client ID: **MW-5-110910** Run ID: **BTEX3_101120A** SeqNo: **2181827** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.45	1.0	20	0	107	77-126	21.46	0.0688	20	
Toluene	21.34	1.0	20	0	107	80-124	21.2	0.648	20	
Ethylbenzene	20.59	1.0	20	0.2528	102	76-125	20.5	0.458	20	
Xylenes, Total	62.34	3.0	60	0.5277	103	79-124	62.39	0.0811	20	
Surr: 4-Bromofluorobenzene	*27.81*	1.0	*30*	0	*92.7*	*77-129*	27.27	*1.96*	*20*	
Surr: Trifluorotoluene	*28.24*	1.0	*30*	0	*94.1*	*75-130*	28.07	*0.614*	*20*	

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

Client: Conestoga-Rovers & Associates
Work Order: 1011495
Project: New Mexico -F- State -SSOW 039122

QC BATCH REPORT

Batch ID: **R101264** Instrument ID **BTEX3** Method: **SW8021B**

The following samples were analyzed in this batch:

1011495-01A	1011495-02A	1011495-03A
1011495-04A	1011495-06A	1011495-07A
1011495-08A	1011495-09A	

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

Client: Conestoga-Rovers & Associates
Work Order: 1011495
Project: New Mexico -F- State -SSOW 039122

QC BATCH REPORT

Batch ID: **R101265** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **BBLKW1-112010-R101265** Units: **µg/L** Analysis Date: **11/20/2010 11:41 A**
Client ID: Run ID: **BTEX1_101120A** SeqNo: **2181849** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	*31.02*	1.0	*30*	0	*103*	*77-129*	0			
Surr: Trifluorotoluene	*31.58*	1.0	*30*	0	*105*	*75-130*	0			

LCS Sample ID: **BLCSW1-112010-R101265** Units: **µg/L** Analysis Date: **11/20/2010 11:03 A**
Client ID: Run ID: **BTEX1_101120A** SeqNo: **2181848** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.62	1.0	20	0	103	77-126	0			
Toluene	20.79	1.0	20	0	104	80-124	0			
Ethylbenzene	20.99	1.0	20	0	105	76-125	0			
Xylenes, Total	62.42	3.0	60	0	104	79-124	0			
Surr: 4-Bromofluorobenzene	*31.96*	1.0	*30*	0	*107*	*77-129*	0			
Surr: Trifluorotoluene	*32.28*	1.0	*30*	0	*108*	*75-130*	0			

MS Sample ID: **1011495-05AMS** Units: **µg/L** Analysis Date: **11/20/2010 01:03 PM**
Client ID: **MW-7-110910** Run ID: **BTEX1_101120A** SeqNo: **2181852** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.98	1.0	20	0	110	77-126	0			
Toluene	22.39	1.0	20	0	112	80-124	0			
Ethylbenzene	22.76	1.0	20	0	114	76-125	0			
Xylenes, Total	68.01	3.0	60	0	113	79-124	0			
Surr: 4-Bromofluorobenzene	*32.7*	1.0	*30*	0	*109*	*77-129*	0			
Surr: Trifluorotoluene	*32.09*	1.0	*30*	0	*107*	*75-130*	0			

MSD Sample ID: **1011495-05AMSD** Units: **µg/L** Analysis Date: **11/20/2010 01:22 PM**
Client ID: **MW-7-110910** Run ID: **BTEX1_101120A** SeqNo: **2181853** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	22.37	1.0	20	0	112	77-126	21.98	1.76	20	
Toluene	22.7	1.0	20	0	114	80-124	22.39	1.37	20	
Ethylbenzene	23.1	1.0	20	0	116	76-125	22.76	1.49	20	
Xylenes, Total	68.99	3.0	60	0	115	79-124	68.01	1.43	20	
Surr: 4-Bromofluorobenzene	*33.29*	1.0	*30*	0	*111*	*77-129*	32.7	*1.79*	*20*	
Surr: Trifluorotoluene	*32.62*	1.0	*30*	0	*109*	*75-130*	32.09	*1.64*	*20*	

The following samples were analyzed in this batch: 1011495-05A

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

Client: Conestoga-Rovers & Associates
Work Order: 1011495
Project: New Mexico -F- State -SSOW 039122

QC BATCH REPORT

Batch ID: **R101268** Instrument ID **BTEX1** Method: **SW8021B**

MBLK Sample ID: **BBLKW2-112010-R101268** Units: **µg/L** Analysis Date: **11/20/2010 09:56 PM**
Client ID: Run ID: **BTEX1_101120B** SeqNo: **2181909** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	3.0								
Surr: 4-Bromofluorobenzene	*30.47*	1.0	*30*	0	*102*	*77-129*	0			
Surr: Trifluorotoluene	*31.26*	1.0	*30*	0	*104*	*75-130*	0			

LCS Sample ID: **BLCSW2-112010-R101268** Units: **µg/L** Analysis Date: **11/20/2010 09:37 PM**
Client ID: Run ID: **BTEX1_101120B** SeqNo: **2181908** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	21.05	1.0	20	0	105	77-126	0			
Toluene	21.21	1.0	20	0	106	80-124	0			
Ethylbenzene	21.32	1.0	20	0	107	76-125	0			
Xylenes, Total	63.9	3.0	60	0	107	79-124	0			
Surr: 4-Bromofluorobenzene	*32.58*	1.0	*30*	0	*109*	*77-129*	0			
Surr: Trifluorotoluene	*32.21*	1.0	*30*	0	*107*	*75-130*	0			

MS Sample ID: **1011471-15AMS** Units: **µg/L** Analysis Date: **11/20/2010 10:53 PM**
Client ID: Run ID: **BTEX1_101120B** SeqNo: **2181912** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	24.25	1.0	20	0	121	77-126	0			
Toluene	24.24	1.0	20	0.2183	120	80-124	0			
Ethylbenzene	25.74	1.0	20	1.62	121	76-125	0			
Xylenes, Total	73.92	3.0	60	1.597	121	79-124	0			
Surr: 4-Bromofluorobenzene	*34.53*	1.0	*30*	0	*115*	*77-129*	0			
Surr: Trifluorotoluene	*34.34*	1.0	*30*	0	*114*	*75-130*	0			

MSD Sample ID: **1011471-15AMSD** Units: **µg/L** Analysis Date: **11/20/2010 11:12 PM**
Client ID: Run ID: **BTEX1_101120B** SeqNo: **2181913** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	24.14	1.0	20	0	121	77-126	24.25	0.452	20	
Toluene	24.25	1.0	20	0.2183	120	80-124	24.24	0.0459	20	
Ethylbenzene	25.84	1.0	20	1.62	121	76-125	25.74	0.385	20	
Xylenes, Total	73.67	3.0	60	1.597	120	79-124	73.92	0.338	20	
Surr: 4-Bromofluorobenzene	*34.25*	1.0	*30*	0	*114*	*77-129*	34.53	*0.814*	*20*	
Surr: Trifluorotoluene	*34.06*	1.0	*30*	0	*114*	*75-130*	34.34	*0.815*	*20*	

The following samples were analyzed in this batch: 1011495-10A

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

Client: Conestoga-Rovers & Associates
Work Order: 1011495
Project: New Mexico -F- State -SSOW 039122

QC BATCH REPORT

Batch ID: **R101568** Instrument ID **ICS3K2** Method: **E300**

MBLK Sample ID: **WBLKW2-112310-R101568** Units: **mg/L** Analysis Date: **11/23/2010 09:12 A**
Client ID: Run ID: **ICS3K2_101123A** SeqNo: **2187868** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	0.50								
Surr: Selenate (surr)	*5.409*	0.10	*5*	0	*108*	*85-115*	0			

LCS Sample ID: **WLCSW2-112310-R101568** Units: **mg/L** Analysis Date: **11/23/2010 09:33 A**
Client ID: Run ID: **ICS3K2_101123A** SeqNo: **2187869** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	21.6	0.50	20	0	108	90-110	0			
Surr: Selenate (surr)	*5.505*	0.10	*5*	0	*110*	*85-115*	0			

LCSD Sample ID: **WLCSDW2-112310-R101568** Units: **mg/L** Analysis Date: **11/23/2010 09:55 A**
Client ID: Run ID: **ICS3K2_101123A** SeqNo: **2187870** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	21.59	0.50	20	0	108	90-110	21.6	0.0278	20	
Surr: Selenate (surr)	*5.447*	0.10	*5*	0	*109*	*85-115*	5.505	*1.06*	*20*	

MS Sample ID: **1011696-01BMS** Units: **mg/L** Analysis Date: **11/23/2010 11:22 A**
Client ID: Run ID: **ICS3K2_101123A** SeqNo: **2187882** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	78.83	0.50	10	69.26	95.7	80-120	0			O
Surr: Selenate (surr)	*5.235*	0.10	*5*	0	*105*	*85-115*	0			

MS Sample ID: **1011495-09BMS** Units: **mg/L** Analysis Date: **11/23/2010 05:15 PM**
Client ID: **Dup-110910** Run ID: **ICS3K2_101123A** SeqNo: **2187919** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	67.97	0.50	10	58.41	95.6	80-120	0			O
Surr: Selenate (surr)	*5.272*	0.10	*5*	0	*105*	*85-115*	0			

MSD Sample ID: **1011696-01BMSD** Units: **mg/L** Analysis Date: **11/23/2010 11:43 A**
Client ID: Run ID: **ICS3K2_101123A** SeqNo: **2187887** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	79.04	0.50	10	69.26	97.8	80-120	78.83	0.267	20	O
Surr: Selenate (surr)	*5.241*	0.10	*5*	0	*105*	*85-115*	5.235	*0.115*	*20*	

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

Client: Conestoga-Rovers & Associates
Work Order: 1011495
Project: New Mexico -F- State -SSOW 039122

QC BATCH REPORT

Batch ID: **R101568** Instrument ID **ICS3K2** Method: **E300**

MSD Sample ID: **1011495-09BMSD** Units: **mg/L** Analysis Date: **11/23/2010 05:37 PM**
Client ID: **Dup-110910** Run ID: **ICS3K2_101123A** SeqNo: **2187921** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	67.67	0.50	10	58.41	92.6	80-120	67.97	0.445	20	O
Surr: Selenate (surr)	*5.276*	0.10	5	0	*106*	*85-115*	5.272	*0.0758*	*20*	

The following samples were analyzed in this batch:

1011495-01B	1011495-02B	1011495-03B
1011495-04B	1011495-05B	1011495-06B
1011495-07B	1011495-08B	1011495-09B

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

ALS Environmental

Date: 29-Nov-10

Client: Conestoga-Rovers & Associates
Project: New Mexico -F- State -SSOW 039122
WorkOrder: 1011495

QUALIFIERS, ACRONYMS, UNITS

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

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

Units Reported	Description
mg/L	Milligrams per Liter

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Chain of Custody Form

Page 1 of 1

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Tel. +1 616 399 6070
Fax. +1 616 399 6185

ALS Project Manager: | ALS Work Order #: 10 1495

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	New Mexico "F" site	A	BTEX (8021)
Work Order		Project Number	SSOW-039122	B	Anions (300) Cl
Company Name	Conestoga-Rovers & Associates	Bill To Company	Conestoga-Rovers & Associates	C	
Send Report To	Patricia Lynch	Invoice Attn	Patricia Lynch	D	
Address	6320 Rothway Ste. 100	Address	6320 Rothway, Suite 100	E	
				F	
City/State/Zip	Houston, TX 77040	City/State/Zip	Houston, TX 77040	G	
Phone	(713) 734-3090	Phone	(713) 734-3090	H	
Fax	(713) 264-6138	Fax	(713) 734-3391	I	
e-Mail Address		e-Mail Address		J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	MW-3-110910	11-9-10	1205	Water	HCl/ICE	4	3	1									
2	MW-4-110910	11-9-10	1220			4	3	1									
3	MW-5-110910	11-9-10	1335			4	3	1									
4	MW-6-110910	11-9-10	1305			4	3	1									
5	MW-7-110910	11-9-10	1230			4	3	1									
6	MW-8-110910	11-9-10	1140			4	3	1									
7	MW-1-110910	11-9-10	1250			4	3	1									
8	MW-2-110910	11-9-10	1245			4	3	1									
9	DUP-110910	11-9-10	—			4	3	1									
10	TRIP	—	—	Water	HCl	2	2										

Sampler(s) Please Print & Sign: Joe Morales / Joe Morales

Shipment Method: Fedex

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

Results Due Date:

Relinquished by:	Date:	Time:	Received by:	Notes:
	11-10-10	08:22		10 Day TAT.
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID / Cooler Temp:
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	QC Package: (Check One Box Below)

☑ Level II Std QC ☐ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other / EDD

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

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

ALS Environmental

Sample Receipt Checklist

Client Name: CRA-HOU

Date/Time Received: 11-Nov-10 09:10

Work Order: 1011495

Received by: RNG

Checklist completed by David Hightower (eSignature) 12-Nov-10 (Date)

Reviewed by: Hector Coronado (eSignature) 14-Nov-10 (Date)

Matrices: water

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.9c	002	
Cooler(s)/Kit(s):	1561		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

1011495

...e this portion can be removed for recipient's records.

...e 11-10-10 FedEx Tracking Number 873530485596

...dor's ...e Joe Nichols Phone ...: 686-0086

Company CLA

Address 2135 S. Loop 250 W.

Dept/Floor/Suite/Room

Midland State TX ZIP 79703

...ur Internal Billing Reference CEMC IF Sid. 102427

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

CUSTODY SEAL

Date: 11-10-10 Time: 0830

Name: Joe Nichols

Company: CLA

Seal Broken By:

Date: