1R-258

REPORTS

DATE:

3/06/2007

IR0258

Chevron

Matthew P. Hudson
Remediation Project Manager

Abandonment Business Unit
Chevron Environmental Management Company
11111 S Wilcrest Dr
Room N2104A
Houston, TX 77009
Tel 281 561 3466
Fax 281 561 3841
mhkw@chevron.com

April 30, 2007

Mr. Glenn Von Gonten
Senior Hydrologist
Environmental Bureau
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Subject: 2006 Annual Groundwater Monitoring Report Addendum/Geological Cross Sections
Former New Mexico State "F" Tank Battery
NE/4, SE/4, Section 24, Township 19 South, Range 36 East, Lea County, New Mexico
OGRID No. 4323
Case #1R258

Dear Mr. Von Gonten:

Please find enclosed two additional figures as an addendum (per our 3/7/07 meeting) to the above-referenced report. The figures illustrate geological cross sections detailing site lithology, monitor well screen intervals, and groundwater level elevations.

Should you have any questions or comments concerning this addendum, please call me at (281) 561-3466 or Luke Markham with CRA at (432) 686-0086.

Sincerely,

Matthew P. Hudson

Enclosure: FIGURE 1 – A–A' Transect Map
FIGURE 2 – A-A' Cross Section

Cc: Patricia Caperton, NMOCD (electronic copy)
Luke Markham, CRA (cover letter only)

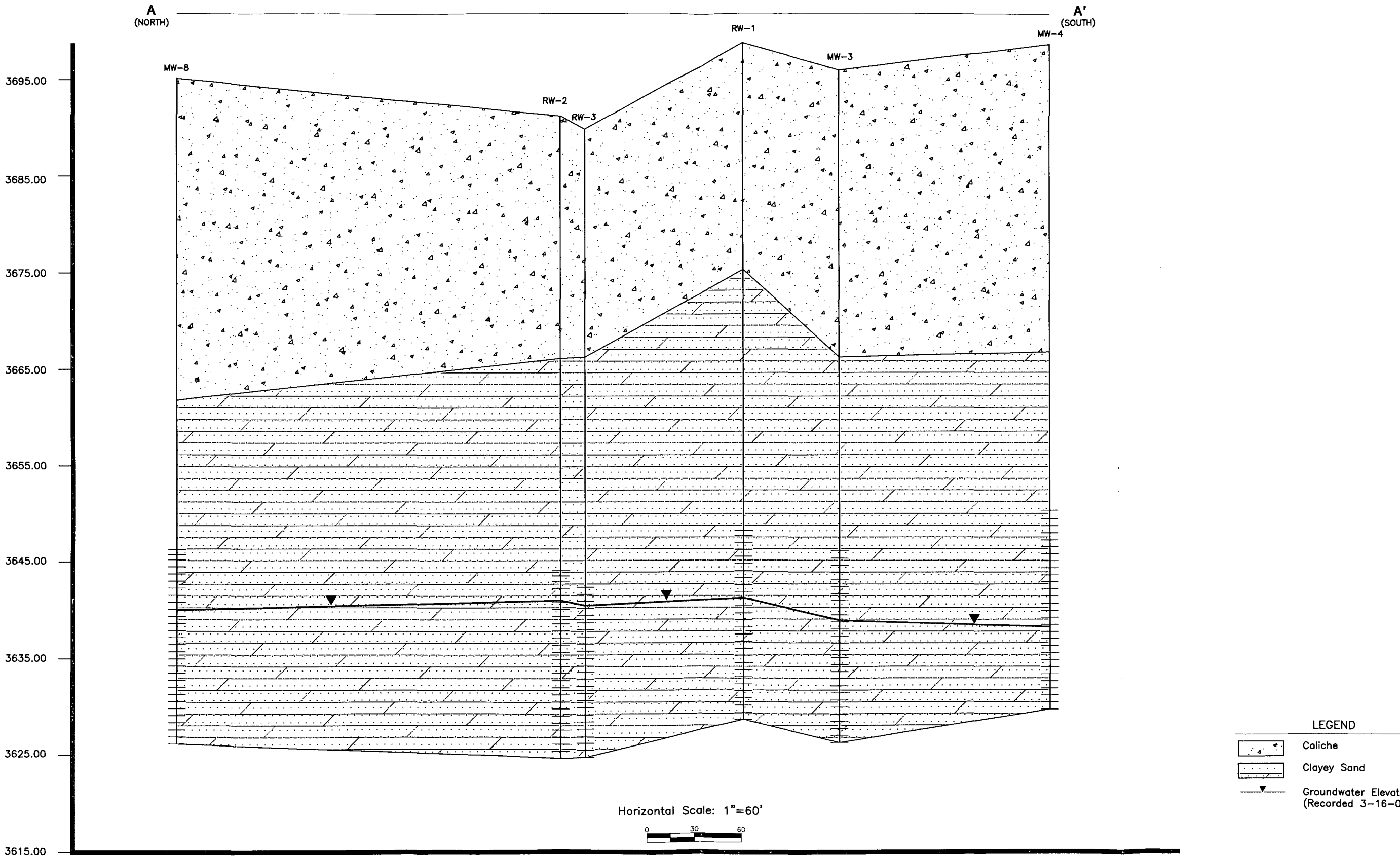
039122 1H07 SLR 042407

A – A' TRANSECT MAP

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

JOB No.
039122

FIGURE
1



039122 1H07 SLR 042407

A – A' CROSS SECTION

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT LEA COUNTY, NEW MEXICO

JOB No.
039122

FIGURE
2

IR 258

Chevron

Matthew P. Hudson
Remediation Project Manager

Abandonment Business Unit
Chevron Environmental Management Company
11111 S Wilcrest Dr
Room N2104A
Houston, TX 77009
Tel 281 561 3466
Fax 281 561 3841
mhkw@chevron.com

RECEIVED

MAR 07 2007

Oil Conservation Division
Environmental Bureau

March 6, 2007

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

Subject: **2006 Annual Groundwater Monitoring Report**
Former New Mexico State "F" Tank Battery, Lea County, New Mexico
OGRID No. 4323

Dear Mr. Price:

Please find enclosed one copy of the above-referenced report. This report provides information and details on the groundwater monitoring activities completed by Conestoga-Rovers and Associates (CRA) during 2006.

Should you have any questions concerning this report or the on-going work, please call myself at (281) 561-3466 or Luke Markham with CRA at (432) 686-0086.

Sincerely,

Matthew P. Hudson

Enclosure

cc: Patricia Caperton, NMOCD (electronic copy)
Luke Markham, CRA (cover letter only)

1R 253

RECEIVED

MAR 07 2007

Oil Conservation Division
Environmental Bureau

2006 ANNUAL GROUNDWATER MONITORING REPORT

FORMER NEW MEXICO STATE "F" TANK BATTERY
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

2006 ANNUAL GROUNDWATER MONITORING REPORT

FORMER NEW MEXICO STATE "F" TANK BATTERY
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. Matt Hudson
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
Abandonment Business Unit
11111 S. Wilcrest Drive
Houston, Texas 77099

Prepared by:
Conestoga-Rovers & Associates

2135 S Loop 250 West
Midland, Texas 79703

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

FEBRUARY 28, 2007
REF. NO. 039122 (3)

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

1.0 INTRODUCTION

This Annual Groundwater Monitoring Report presents groundwater data collected during the 2006 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 sampling events were performed on June 27, 2006 and on December 19, 2006.

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, the Highlander Environmental Corporation (Highlander) performed a subsurface assessment at the Site. The assessment activities included collection of soil samples from the walls and floor of the excavation and from the stockpiled soil. 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 floor 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 returned 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, 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 started on February 14, 2005. Semi-annual groundwater monitoring weekly operation and maintenance (O&M) activities have been performed by CRA since 2005 along with annual reporting to the NMOCD for this 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	0.01
Toluene	0.75
Ethylbenzene	0.75
Total xylenes	0.62
Chloride	250

3.0 GROUNDWATER SAMPLING AND ANALYSIS

The Site is monitored semi-annually with a network of six monitor wells (MW-3, MW-4, MW-5, MW-6, MW-7 and MW-8) and two offsite water wells (WW-1 and WW-2). The recovery wells (RW-1, RW-2 and RW-3) can be gauged with an electric probe by turning the recovery system off and moving the sanitary seal on each well head to the side. However, the recovery wells are not routinely sampled because the downhole eductor plumbing must be removed to access the recovery wells with groundwater sampling equipment. Semi-annual monitoring and sampling activities were performed on June 26, 2006 and on December 18, 2006.

The groundwater recovery system was turned off at least 48 hours before monitoring/sampling events were conducted to allow groundwater levels to equilibrate. Prior to purging the monitor wells, static fluid levels and LNAPL thicknesses were measured 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 well was 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. Groundwater samples were placed on ice in insulated coolers and chilled to a temperature of approximately 4°C (40°F). The coolers were sealed for shipment and proper chain-of-custody documentation accompanied the samples to the laboratory (Pace Analytical Services, Inc. located in St. Rose, Louisiana) for analysis of BTEX and chloride by EPA Method 8021B and 300.0, respectively. The fluids recovered and generated during the sampling event 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 June 2006 and December 2006 are presented on FIGURES 3 and 4, respectively. Depth to groundwater ranged from 50.50 feet to 65.82 feet below top of casing on June 26, 2006 and from 50.31 feet to 65.67 feet below top of casing on December 18, 2006. Groundwater elevations at the Site appear to be consistent with historical levels with groundwater flow to the southeast. The maximum gradient observed in 2006 was 0.007 feet/foot.

LNAPL was not detected in the monitor wells or offsite water wells WW-1 and WW-2 during the 2006 monitoring period. Historically, three onsite recovery wells have contained measurable amounts of LNAPL. During the June 2006 monitoring event,

LNAPL was present in recovery wells RW-1 and RW-2 at thicknesses of 3.16 feet and 0.08 feet, respectively. In December 2006, RW-1 and RW-2 contained an LNAPL thickness of 0.23 feet and 0.40 feet, respectively. Although measurable LNAPL was not encountered during either sampling event in RW-3, residual LNAPL (sheen) was observed. LNAPL thickness maps for June and December 2006 are presented as FIGURES 5 and 6, respectively.

3.2 ANALYTICAL RESULTS

Analytical results are summarized in TABLE II. Groundwater BTEX and chloride concentration maps for June 2006 and December 2006 are presented as FIGURES 7 and 8, respectively. BTEX 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 2006 monitoring period. Chloride concentrations were also below the NMWQCC standard in all samples collected during the 2006 monitoring period. Copies of the certified laboratory reports are provided in APPENDIX A.

4.0 CORRECTIVE ACTION

Excluding brief periods for routine maintenance, the groundwater recovery/gradient control system operated continuously from start-up on February 14, 2005 to temporary shut-down on November 20, 2006. Operation and maintenance (O&M) activities were performed weekly.

Total fluids (groundwater and LNAPL) were recovered from each of the three recovery wells through an eductor located approximately two feet below the static groundwater table. The eductors were piped in series through a 500-barrel (bbl) oil/water separator tank and a 500-bbl water tank. Water was continuously circulated through the system by a 15-horsepower electric centrifugal pump. The cumulative (sum of the three recovery wells) groundwater recovery during the 2006 calendar year was approximately 432,000 gallons. The recovered water was transported offsite for disposal in the Nabors SWD well No. 1, a Chevron-approved disposal well.

To date, no phase-separated crude oil accumulated in the oil/water separator's product holding tank. It is believed that the rapid circulation of the water required for eductor operation emulsifies the LNAPL and that the holding time in the oil/water separator is insufficient for the oil to break out of suspension. Consequently, this "eductor" groundwater recovery/gradient control system was temporarily shut-down to evaluate remedial options to ensure conservation of water to the maximum extent practical and expedite groundwater remediation. The evaluation of remedial options was focused on enhancing LNAPL recovery. On November 28, 2006, the eductors and associated piping in recovery well RW-1 were replaced with a Xitech® LNAPL skimmer pump system. The skimmer system removes LNAPL and minimizes groundwater extraction from the recovery well. Subsequent to skimmer installation activities, the LNAPL thickness in RW-1 decreased from 2.64 feet (November 28, 2006) to 0.23 feet (December 18, 2006). As of February 2007, approximately 75 gallons of LNAPL have been recovered from RW-1.

5.0 PLANNED ACTIVITIES

Currently, the Xitech® system is skimming LNAPL from the groundwater and the recovered product is pumped into a 55-gallon drum which has been placed inside an overpack drum. This system is appropriate as a temporary method for handling the LNAPL based on the volume being recovered. Weekly O&M activities will be performed to monitor the level in the drum. Planned activities also include an evaluation of the other two recovery wells (RW-2 and RW-3) for similar or alternative recovery techniques. Since these two wells have historically contained smaller amounts of LNAPL, the Xitech® system may not be as efficient. The best course of action for these wells will be determined based on our evaluation. Either concurrent with or subsequent to this evaluation, the following activities will be performed:

- Assess the current facilities at the Site and determine if they can be adapted/modified for the new LNAPL recovery system. If not, a more suitable long-term recovery facility will be developed;
- Review monitoring and sampling schedule for the Site to optimize system efficiency.

The 2007 semi-annual groundwater sampling events are scheduled to be performed during June and December 2007. In addition, weekly O&M and quarterly Site-wide gauging and monitor well MW-6 sampling activities will be performed to monitor the groundwater gradient and the potential for offsite plume migration.

6.0 SUMMARY OF FINDINGS

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

- The Site is monitored semi-annually with a network of six monitor wells (MW-3, MW-4, MW-5, MW-6, MW-7 and MW-8) and two offsite water wells (WW-1 and WW-2). Depth to groundwater ranged from 50.50 feet to 65.82 feet below top of casing on June 26, 2006 and from 50.31 feet to 65.67 feet below top of casing on December 18, 2006. Groundwater flow at the Site is to the southeast and the maximum gradient observed in 2006 was 0.007 feet/foot.
- LNAPL was not detected in the monitor wells or offsite water wells WW-1 and WW-2 during the 2006 monitoring period. During the June 2006 monitoring event, LNAPL was present in recovery wells RW-1 and RW-2 at thicknesses of 3.16 feet and 0.08 feet, respectively. In December 2006, RW-1 and RW-2 contained an LNAPL thickness of 0.23 feet and 0.40 feet, 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 2006 monitoring period.
- The groundwater recovery/gradient control system (three recovery wells) was temporarily shut-down on November 20, 2006 pending alternative LNAPL recovery evaluation. On November 28, 2006, the eductors and associated piping in recovery well RW-1 were replaced with a Xitech® LNAPL skimmer pump system. Subsequent to skimmer installation activities, the LNAPL thickness in RW-1 decreased from 2.64 feet (November 28, 2006) to 0.23 feet (December 18, 2006). As of February 2007, approximately 75 gallons of LNAPL have been recovered from RW-1. Planned activities include an evaluation of the other two recovery wells (RW-2 and RW-3) for similar or alternative recovery techniques.
- The 2007 semi-annual groundwater sampling events are scheduled to be performed during June and December 2007. In addition, quarterly Site-wide gauging and monitor well MW-6 sampling activities will be performed to monitor the groundwater gradient and the potential for offsite plume migration.

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

Lucas D. Markham
Project Manager

Thomas C. Larson
Operations Manager

FIGURES

MONUMENT NORTH QUADRANGLE
NEW MEXICO

LAT= 32° 38' 34.9" N
LONG= 103° 18' 0.49" W

PHOTOREVISED 1985

USGS MAP SERIES 1:24,000

0 1 2 4
(Miles)

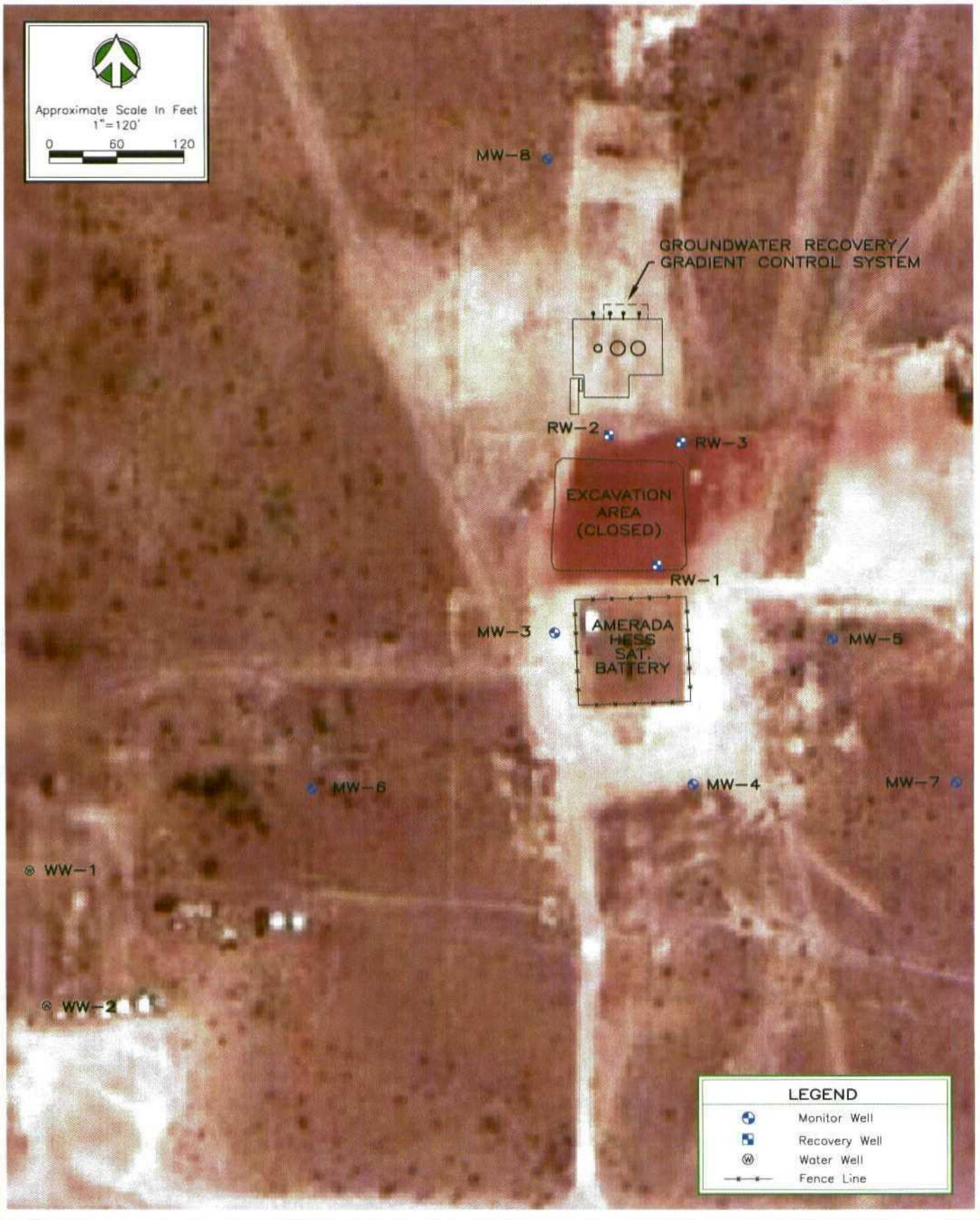
0 4000 8000 12000 16000
(Feet)

CONTOUR INTERVAL 10 FEET

NORTH

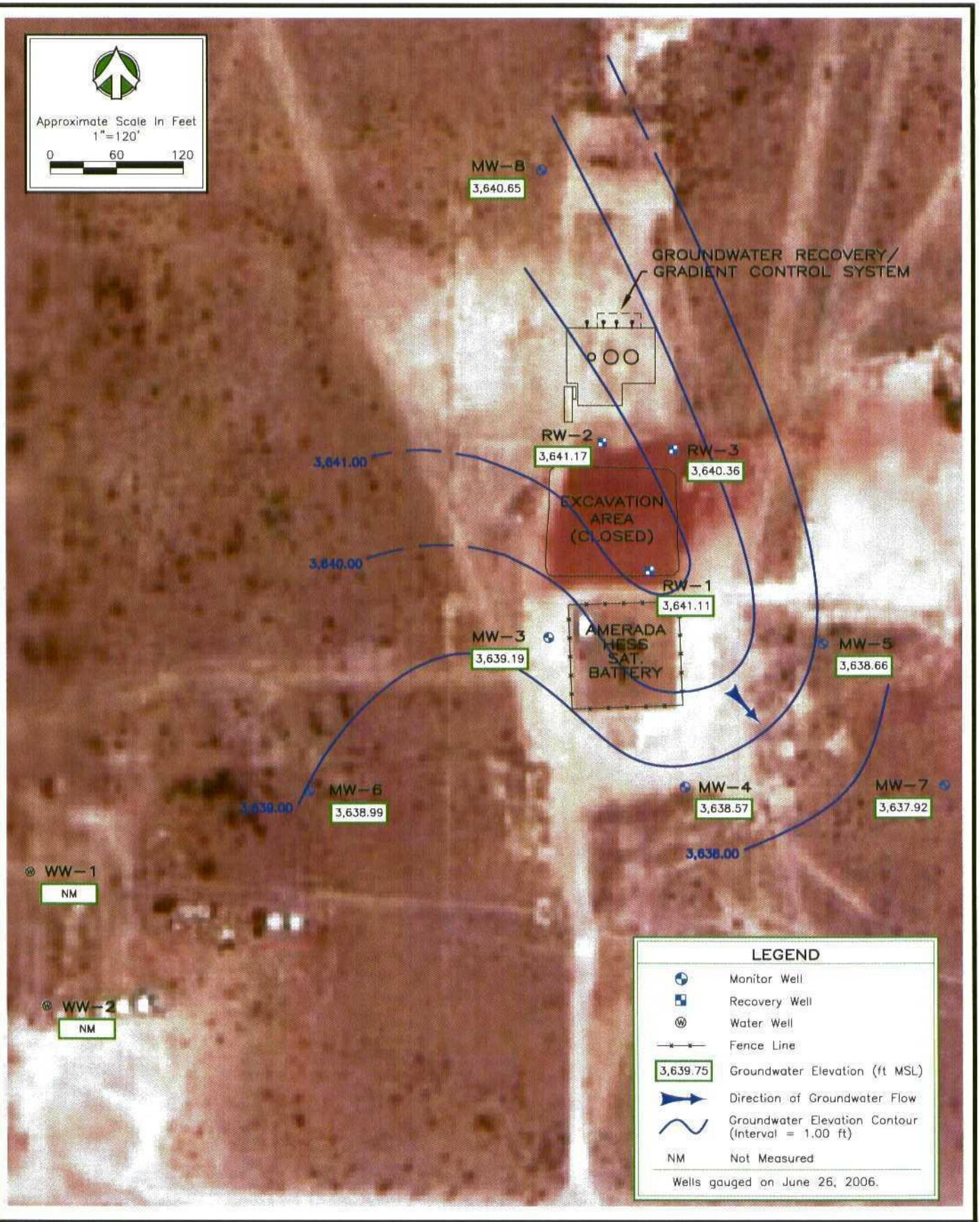
039122 SLR 051205

SITE LOCATION MAP	JOB No. 039122
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT LEA COUNTY, NEW MEXICO	FIGURE 1



039122 SLR 061405

SITE DETAILS	JOB No. 039122
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT LEA COUNTY, NEW MEXICO	FIGURE 2



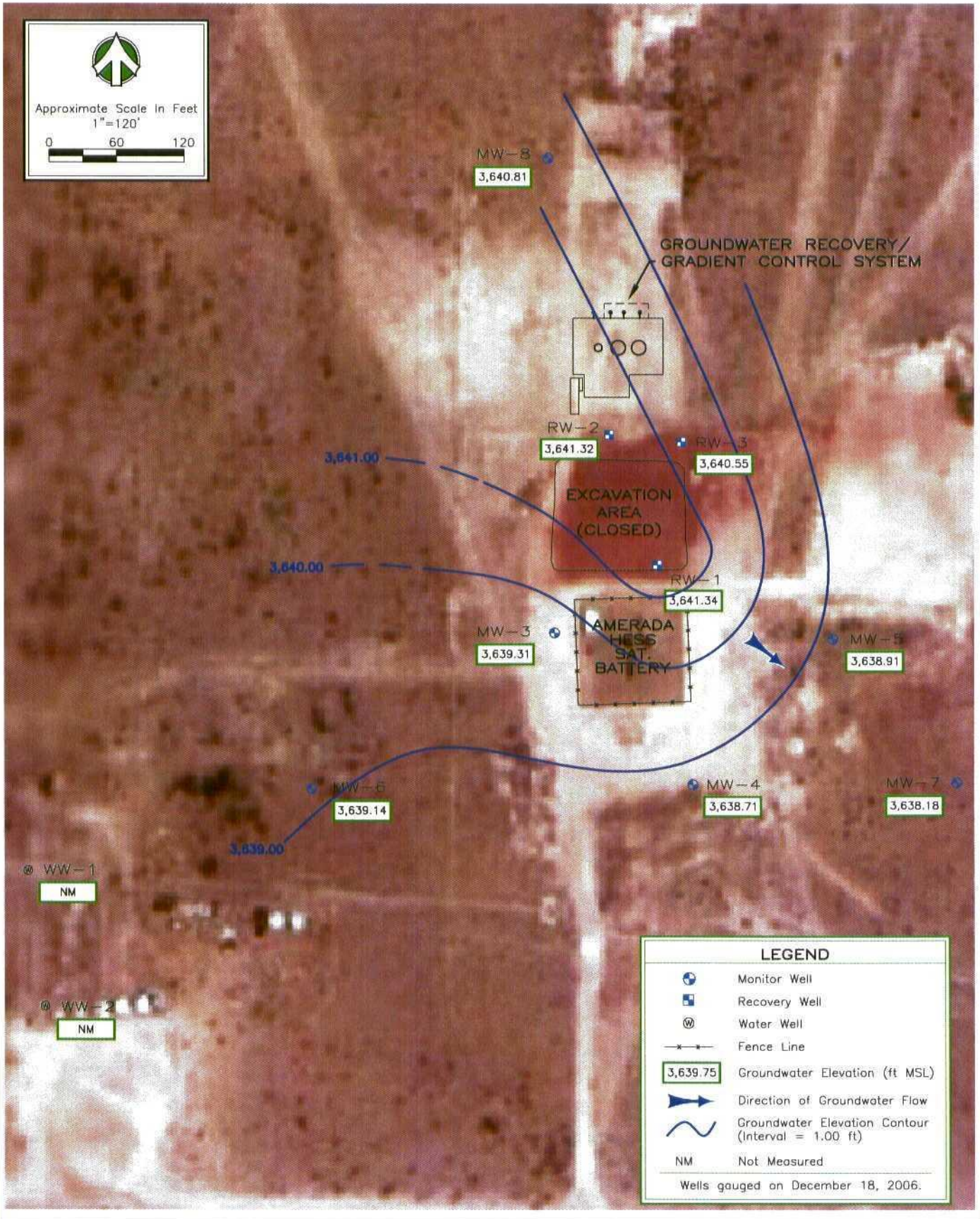
039122 2006 SLR 022707

GROUNDWATER GRADIENT MAP – JUNE 2006

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

JOB No.
039122

FIGURE
3



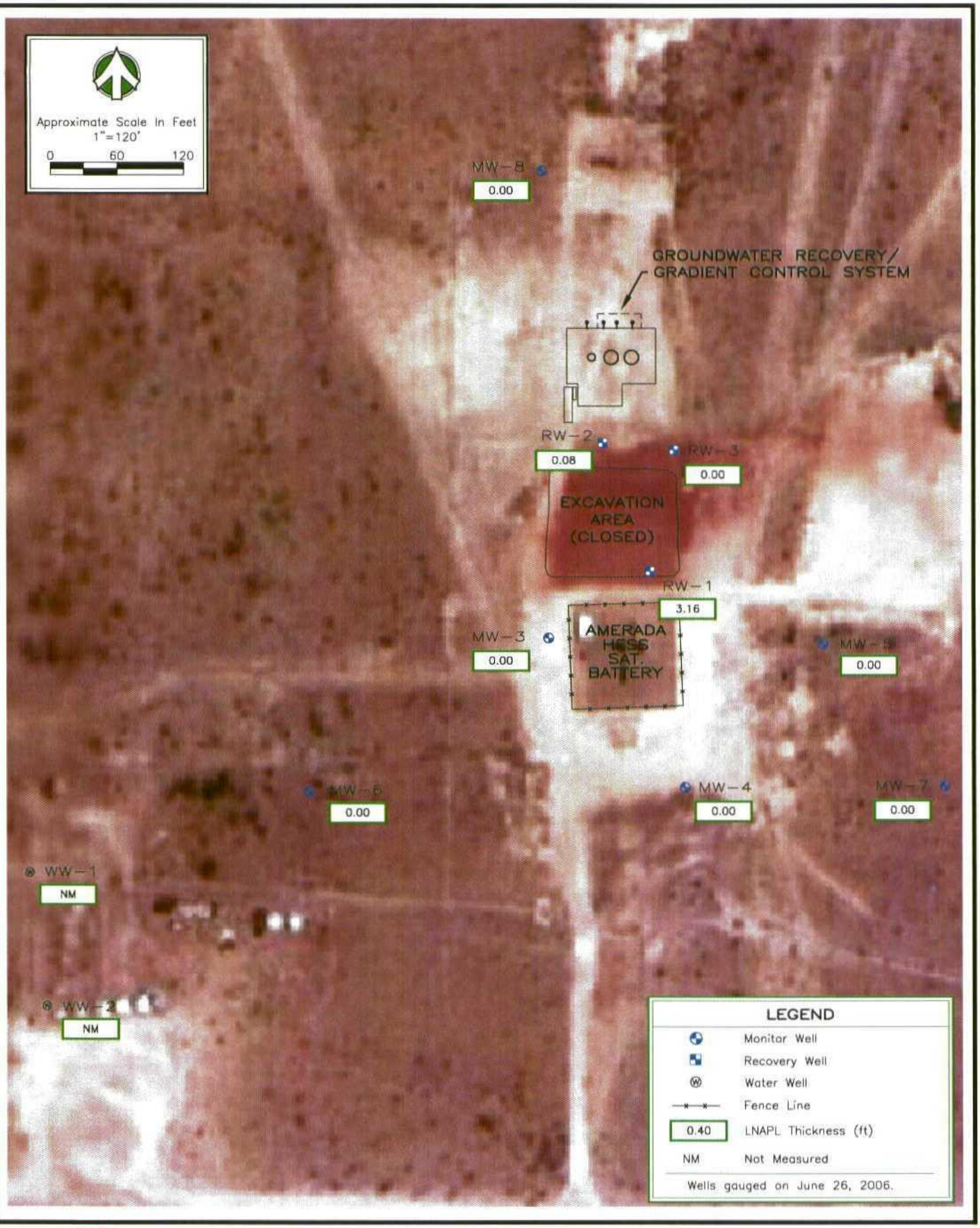
039122 2006 SLR 022707

GROUNDWATER GRADIENT MAP – DECEMBER 2006

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

JOB No.
039122

FIGURE
4



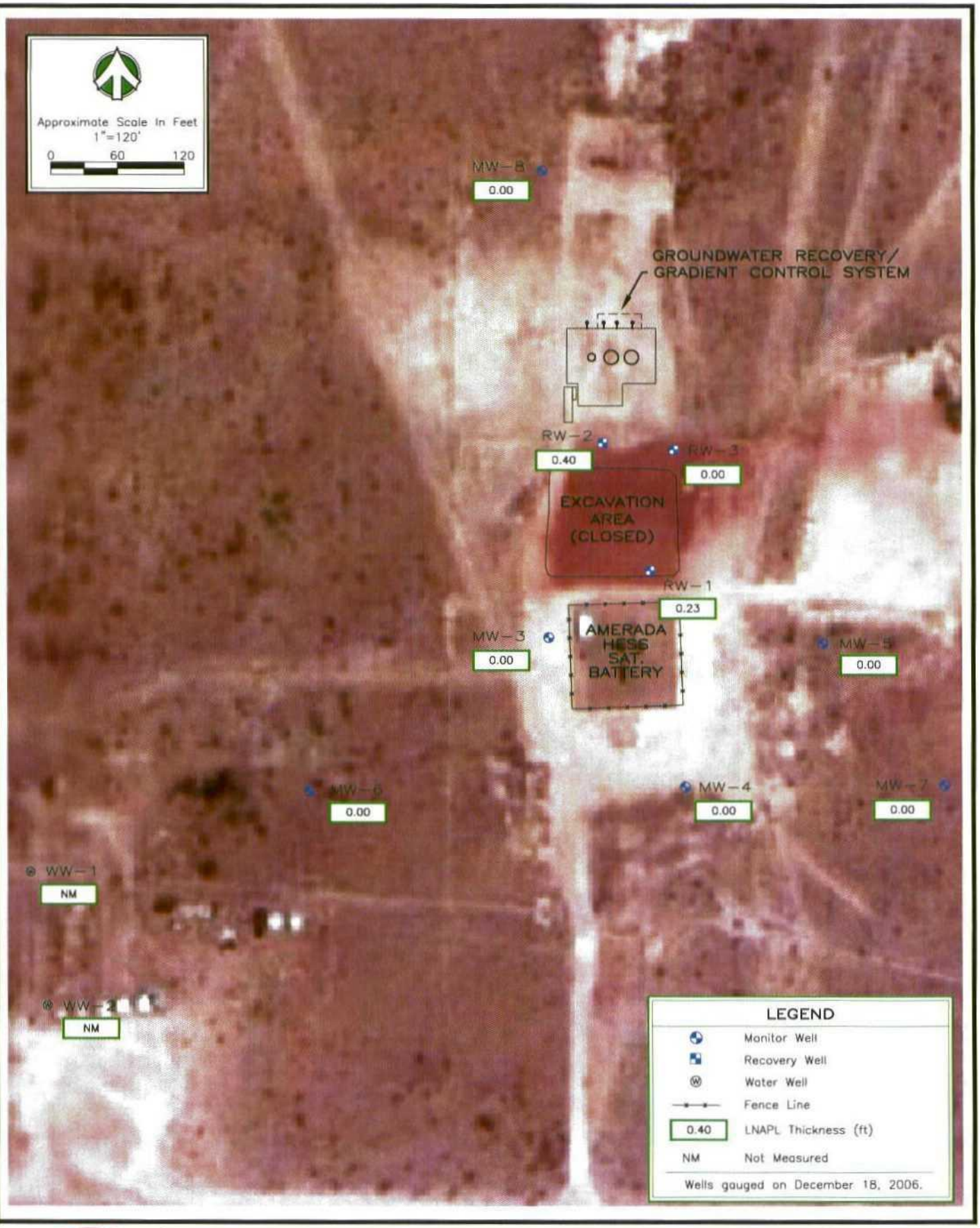
039122 2006 SLR 022707

LNAPL THICKNESS MAP – JUNE 2006

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

JOB No.
039122

FIGURE
5



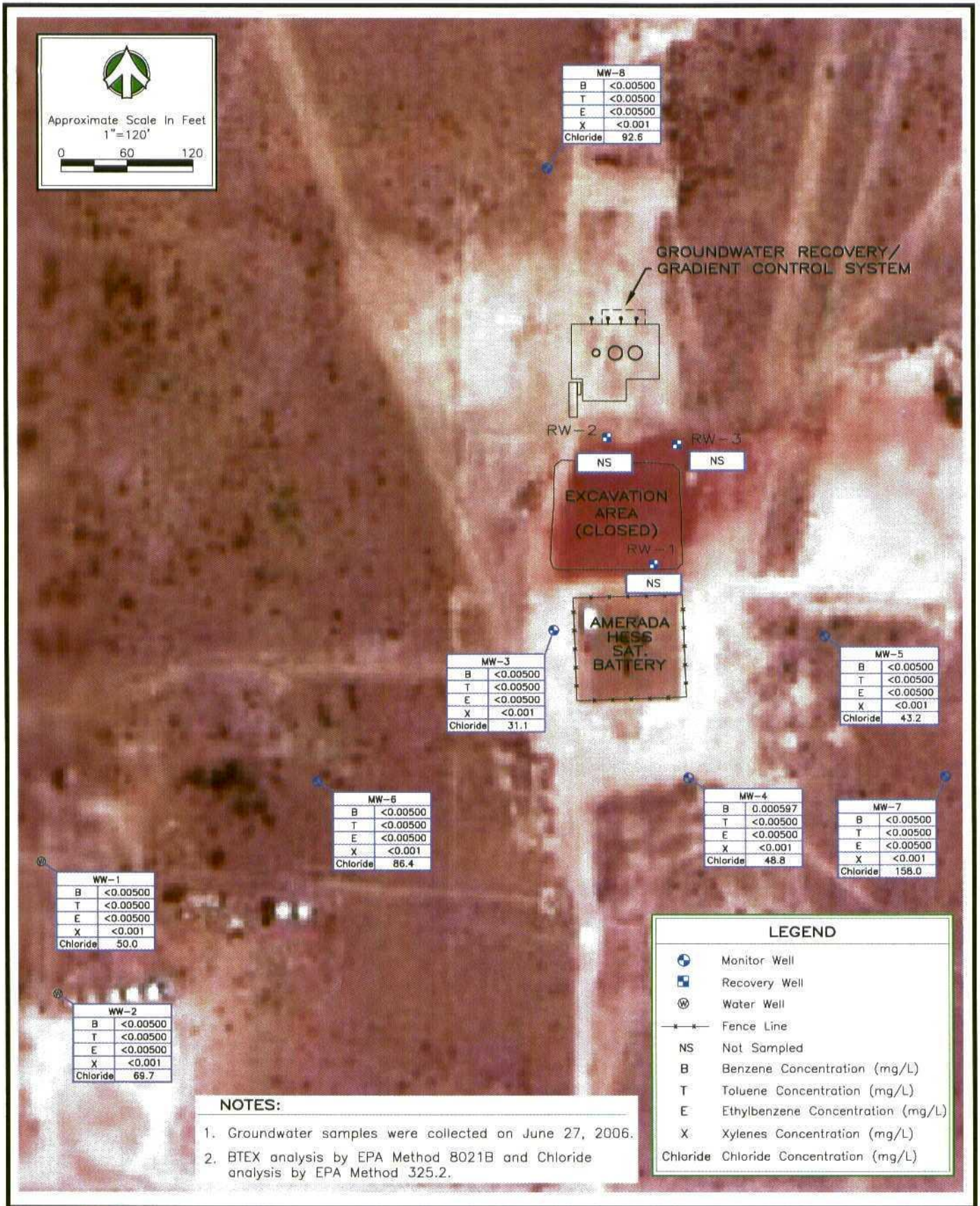
039122 2006 SLR 022707

LNAPL THICKNESS MAP – DECEMBER 2006

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

JOB No.
039122

FIGURE
6



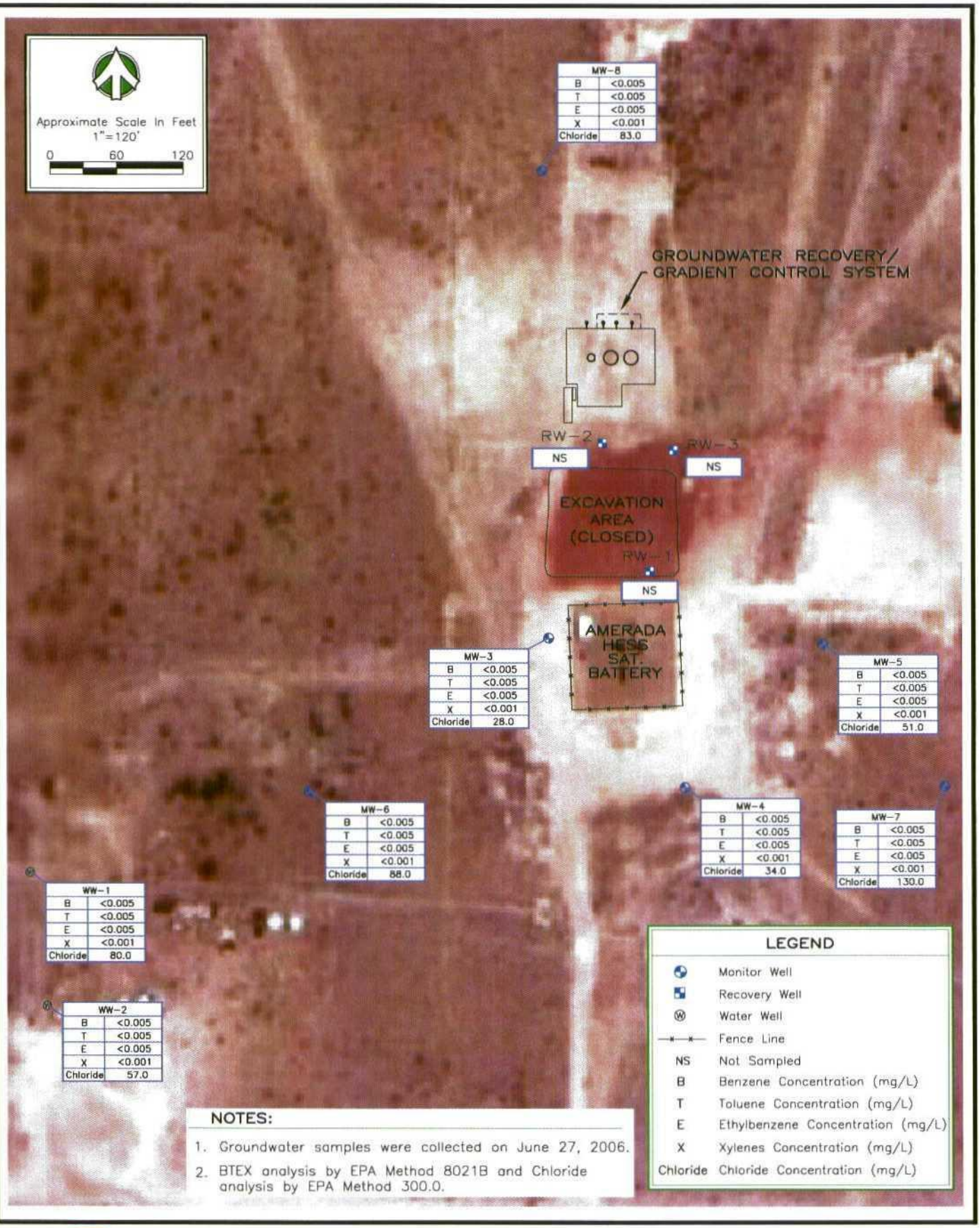
039122 2006 SLR 022707

GROUNDWATER BTEX & CHLORIDE CONCENTRATIONS MAP–JUNE 2006

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

JOB No. 039122

FIGURE 7



039122 SLR 022707

GROUNDWATER BTEX & CHLORIDE CONCENTRATIONS MAP—DECEMBER 2006

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
NEW MEXICO "F" STATE GROUNDWATER REMEDIATION PROJECT
LEA COUNTY, NEW MEXICO

JOB No. 039122

FIGURE 8

TABLES

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	---	---
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	---	---
	12/12/05	61.11	---	---	3638.39	---	---
	1/25/06	61.11	---	---	3638.39	---	---
	5/1/06	60.89	---	---	3638.61	---	---
	6/26/06	60.93	---	---	3638.57	---	---
	12/18/06	60.79	---	---	3638.71	---	---

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	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	---	---
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	---	---

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-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	---	---
MW-8	7/28/98	56.84	---	---	3638.77	66.91	46 - 66
3695.61	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	---	---
	12/12/05	55.29	---	---	3640.32	---	---
	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	---	---

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-1	11/3/99	62.17	---	---	3637.75	71.60	55 - 75
3699.92	2/16/01	62.37	62.33	0.04	3637.55	---	---
	6/11/02	62.26	61.86	0.40	3637.66	---	---
	11/26/02	62.60	62.07	0.53	3637.32	---	---
	6/5/03	63.00	62.84	0.16	3636.92	---	---
	12/3/03	63.26	62.61	0.65	3636.66	---	---
	7/1/04	63.10	62.33	0.77	3636.82	---	---
	12/20/04	61.80	60.96	0.84	3638.12	---	---
	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	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		
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	3638.11	---	---
	11/26/02	54.28	54.07	0.21	3637.84	---	---
	6/5/03	53.24	53.23	0.01	3638.88	---	---
	12/3/03	54.51	54.38	0.13	3637.61	---	---
	7/1/04	54.51	54.12	0.39	3637.61	---	---
	12/20/04	53.69	53.52	0.17	3638.43	---	---
	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	---	---
	12/18/06	51.15	50.75	0.40	3641.32	---	---

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	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	3637.64	---	---
	6/5/03	54.56	54.40	0.16	3636.30	---	---
	12/3/03	53.23	---	---	3637.63	---	---
	7/1/04	53.19	52.98	0.21	3637.67	---	---
	12/20/04	52.50	52.09	0.41	3638.36	---	---
	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	---	---
	12/18/06	50.31	---	---	3640.55	---	---
WW-1	7/28/98	68.20	---	---	3634.97	Unknown	Unknown
3704.17	6/11/02	66.35	---	---	-66.35	---	---
	6/5/03	68.25	---	---	-68.25	---	---
WW-2	7/28/98	67.70	---	---	3635.84	Unknown	Unknown
3703.84	6/11/02	66.18	---	---	-66.18	---	---
	11/26/02	66.18	---	---	-66.18	---	---
	6/5/03	68.54	---	---	-68.54	---	---

Notes:

1. Data through June 6, 2005 provided by Larson & Associates, Inc. The groundwater elevations were corrected for LNAPL using an unknown specific gravity.
2. TOC - Top of Casing.
3. MSL - Mean Sea Level.
4. bgs - Below ground surface.
5. Corrected groundwater elevations calculated using LNAPL specific gravity of 0.88.
6. MW-1, MW-2 and MW-9 were plugged and abandoned and replaced with RW-1, RW-2 and RW-3 in November 1999.
7. Monitor wells (MWs) are 2-inch in diameter; Recovery wells (RWs) are 4-inch in diameter.
8. Eductor system (total fluids) replaced with Xitech system (skimmer) on November 28, 2006.

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	Toluene	Ethyl-benzene	Total Xylenes	Chloride
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
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
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

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	Toluene	Ethyl-benzene	Total Xylenes	Chloride
New Mexico Water Quality Control Commission Groundwater Standard		0.01	0.75	0.75	0.62	250
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
	12/21/04	<0.005	<0.005	<0.005	<0.005	61.3
	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
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
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

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	Toluene	Ethyl-benzene	Total Xylenes	Chloride
New Mexico Water Quality Control Commission Groundwater Standard		0.01	0.75	0.75	0.62	250
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
	6/6/05	<0.00100	<0.00100	<0.00100	<0.00100	63.4
	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
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
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	36.3

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.

APPENDICES

A

Pace Analytical®
New Orleans Laboratory

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

July 05, 2006

Luke Markham
CRA
2135 S. Loop 250 West
Midland, TX 79701

RE: Project: 2060725
RE: Project ID: N.M. "F" STATE BATTERY/039122

Dear Luke Markham:

Enclosed are the analytical results for sample(s) received by the laboratory on June 28, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Cindy Olavesen

Cindy Olavesen

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical®
New Orleans Laboratory

Report of Laboratory Analysis

Project Number: 2060725

ACCREDITED IN ACCORDANCE WITH
nelac

Pace Analytical
New Orleans Laboratory

Sample Cross Reference Report

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Project: N.M. "F" STATE BATTERY/039122

Project No.: 2060725

Sample ID	Lab ID	Matrix	Collection Date/Time		Received Date/Time	
MW362706	20456361	Water	06/27/2006	11:30	06/28/2006	10:20
MW462706	20456362	Water	06/27/2006	11:35	06/28/2006	10:20
MW562706	20456363	Water	06/27/2006	10:45	06/28/2006	10:20
MW662706	20456364	Water	06/27/2006	11:55	06/28/2006	10:20
MW762706	20456365	Water	06/27/2006	10:44	06/28/2006	10:20
MW862706	20456366	Water	06/27/2006	12:30	06/28/2006	10:20
WW162706	20456367	Water	06/27/2006	12:00	06/28/2006	10:20
WW262706	20456368	Water	06/27/2006	12:00	06/28/2006	10:20
DUP62706	20456369	Water	06/27/2006		06/28/2006	10:20
TRIP	20456370	Water	06/27/2006		06/28/2006	10:20

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical
New Orleans Laboratory

		Client: CRA	
Client ID: MW362706		**Site:** None	
Project: N.M. "F" STATE BATTERY/039122		**Project No.:** 2060725	**Sample Qu:**
Lab ID: 20456361		**Matrix:** Water	**% Moisture:** n/a
Description: None		**Prep Level:** Water	**Batch:** 74204
Method: 8021 VOAs Water		**Units:** ug/L	**Target List:** 8021_WL20
		Collected: 06/27/06	**Received:** 06/28/06
Prep Factor: 1		**Prepared:** 06/30/06	**Analyzed:** 06/30/06 01:37 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

7/5/2006 15:02:48

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health_Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical
New Orleans Laboratory

		Client:	CRA		
Client ID:	MW462706	**Site:**	None		
Project:	N.M. "F" STATE BATTERY/039122	**Project No.:**	2060725	**Sample Qu:**	
Lab ID:	20456362	**Matrix:**	Water	**% Moisture:**	n/a
Description:	None	**Prep Level:**	Water	**Batch:**	74204
Method:	8021 VOAs Water	**Units:**	ug/L	**Target List:**	8021_WL20
		Collected:	06/27/06	**Received:**	06/28/06
Prep Factor:	1	**Prepared:**	06/30/06	**Analyzed:**	06/30/06 02:05 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	0.597		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

7/5/2006 15:02:48

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health_Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Client ID: MW562706 **Site:** None

Project: N.M. "F" STATE BATTERY/039122 **Project No.:** 2060725 **Sample Qu:**

Lab ID: 20456363 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 74204

Method: 8021 VOAs Water **Units:** ug/L **Target List:** 8021_WL20

Collected: 06/27/06 **Received:** 06/28/06

Prep Factor: 1 **Prepared:** 06/30/06 **Analyzed:** 06/30/06 02:34 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

7/5/2006 15:02:48

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Client ID: MW662706 **Site:** None

Project: N.M. "F" STATE BATTERY/039122 **Project No.:** 2060725 **Sample Qu:**

Lab ID: 20456364 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 74204

Method: 8021 VOAs Water **Units:** ug/L **Target List:** 8021_WL20

Collected: 06/27/06 **Received:** 06/28/06

Prep Factor: 1 **Prepared:** 06/30/06 **Analyzed:** 06/30/06 03:02 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

7/5/2006 15:02:48

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health_Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Client ID: MW762706 **Site:** None

Project: N.M. "F" STATE BATTERY/039122 **Project No.:** 2060725 **Sample Qu:**

Lab ID: 20456365 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 74204

Method: 8021 VOAs Water **Units:** ug/L **Target List:** 8021_WL20

Collected: 06/27/06 **Received:** 06/28/06

Prep Factor: 1 **Prepared:** 06/30/06 **Analyzed:** 06/30/06 04:57 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

7/5/2006 15:02:48

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health_Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical®
New Orleans Laboratory

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

		Client:	CRA		
Client ID:	MW862706	**Site:**	None		
Project:	N.M. "F" STATE BATTERY/039122	**Project No.:**	2060725	**Sample Qu:**	
Lab ID:	20456366	**Matrix:**	Water	**% Moisture:**	n/a
Description:	None	**Prep Level:**	Water	**Batch:**	74204
Method:	8021 VOAs Water	**Units:**	ug/L	**Target List:**	8021_WL20
		Collected:	06/27/06	**Received:**	06/28/06
Prep Factor:	1	**Prepared:**	06/30/06	**Analyzed:**	06/30/06 05:25 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

7/5/2006 15:02:48

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health_Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical
New Orleans Laboratory

		Client:	CRA		
Client ID:	WW162706	**Site:**	None		
Project:	N.M. "F" STATE BATTERY/039122	**Project No.:**	2060725	**Sample Qu:**	
Lab ID:	20456367	**Matrix:**	Water	**% Moisture:**	n/a
Description:	None	**Prep Level:**	Water	**Batch:**	74204
Method:	8021 VOAs Water	**Units:**	ug/L	**Target List:**	8021_WL20
		Collected:	06/27/06	**Received:**	06/28/06
Prep Factor:	1	**Prepared:**	06/30/06	**Analyzed:**	06/30/06 05:54 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

7/5/2006 15:02:48

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health_Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

		Client:	CRA		
Client ID:	WW262706	**Site:**	None		
Project:	N.M. "F" STATE BATTERY/039122	**Project No.:**	2060725	**Sample Qu:**	
Lab ID:	20456368	**Matrix:**	Water	**% Moisture:**	n/a
Description:	None	**Prep Level:**	Water	**Batch:**	74204
Method:	8021 VOAs Water	**Units:**	ug/L	**Target List:**	8021_WL20
		Collected:	06/27/06	**Received:**	06/28/06
Prep Factor:	1	**Prepared:**	06/30/06	**Analyzed:**	06/30/06 19:27 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

7/5/2006 15:02:49

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health _Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical®
New Orleans Laboratory

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

		Client:	CRA		
Client ID:	DUP62706	**Site:**	None		
Project:	N.M. "F" STATE BATTERY/039122	**Project No.:**	2060725	**Sample Qu:**	
Lab ID:	20456369	**Matrix:**	Water	**% Moisture:**	n/a
Description:	None	**Prep Level:**	Water	**Batch:**	74204
Method:	8021 VOAs Water	**Units:**	ug/L	**Target List:**	8021_WL20
		Collected:	06/27/06	**Received:**	06/28/06
Prep Factor:	1	**Prepared:**	06/30/06	**Analyzed:**	06/30/06 19:55 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

7/5/2006 15:02:49

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health_Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

		Client:	CRA		
Client ID:	TRIP	**Site:**	None		
Project:	N.M. "F" STATE BATTERY/039122	**Project No.:**	2060725	**Sample Qu:**	
Lab ID:	20456370	**Matrix:**	Water	**% Moisture:**	n/a
Description:	None	**Prep Level:**	Water	**Batch:**	74204
Method:	8021 VOAs Water	**Units:**	ug/L	**Target List:**	8021_WL20
		Collected:	06/27/06	**Received:**	06/28/06
Prep Factor:	1	**Prepared:**	06/30/06	**Analyzed:**	06/30/06 07:20 DET(1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

7/5/2006 15:02:49

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health_Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical
New Orleans Laboratory

Client ID: MW362706 **Client:** CRA

Project: N.M. "F" STATE BATTERY/039122 **Site:** None

Lab ID: 20456361 **Project No.:** 2060725

Description: None **Matrix:** Water **%Moisture:** n/a

Collected: 06/27/06 **Received:** 06/28/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Chloride	EPA 325.2	74185	1	31.1		mg/L	1.00	28-Jun-06	28-Jun-06	12:20 LJL (1)	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

7/5/2006 15:02:49

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical®
New Orleans Laboratory

Client ID: MW462706 **Client:** CRA

Project: N.M. "F" STATE BATTERY/039122 **Site:** None

Lab ID: 20456362 **Project No.:** 2060725

Description: None **Matrix:** Water **%Moisture:** n/a

Collected: 06/27/06 **Received:** 06/28/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Chloride	EPA 325.2	74185	1	48.8		mg/L	1.00	28-Jun-06	28-Jun-06	12:29 LJL (1)	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

7/5/2006 15:02:49

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: MW562706 **Client:** CRA

Project: N.M. "F" STATE BATTERY/039122 **Site:** None

Lab ID: 20456363 **Project No.:** 2060725

Description: None **Matrix:** Water **%Moisture:** n/a

Collected: 06/27/06 **Received:** 06/28/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Chloride	EPA 325.2	74185	1	43.2		mg/L	1.00	28-Jun-06	28-Jun-06 12:29	LJL (1)	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

7/5/2006 15:02:49

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: MW662706 **Client:** CRA

Project: N.M. "F" STATE BATTERY/039122 **Site:** None

Lab ID: 20456364 **Project No.:** 2060725

Description: None **Matrix:** Water **%Moisture:** n/a

Collected: 06/27/06 **Received:** 06/28/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Chloride	EPA 325.2	74185	1	86.4		mg/L	1.00	28-Jun-06	28-Jun-06 12:29	LJL (1)	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

7/5/2006 15:02:49

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: MW762706 **Client:** CRA

Project: N.M. "F" STATE BATTERY/039122 **Site:** None

Lab ID: 20456365 **Project No.:** 2060725

Description: None **Matrix:** Water **%Moisture:** n/a

Collected: 06/27/06 **Received:** 06/28/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Chloride	EPA 325.2	74185	1	158.		mg/L	1.00	28-Jun-06	28-Jun-06	12:29 LJL (1)	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

7/5/2006 15:02:49

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: MW862706 **Client:** CRA

Project: N.M. "F" STATE BATTERY/039122 **Site:** None

Lab ID: 20456366 **Project No.:** 2060725

Description: None **Matrix:** Water **%Moisture:** n/a

Collected: 06/27/06 **Received:** 06/28/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Chloride	EPA 325.2	74185	1	92.6		mg/L	1.00	28-Jun-06	28-Jun-06	12:29 LJL (1)	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

7/5/2006 15:02:49

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical®
New Orleans Laboratory

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: WW162706 **Client:** CRA

Project: N.M. "F" STATE BATTERY/039122 **Site:** None

Lab ID: 20456367 **Project No.:** 2060725

Description: None **Matrix:** Water **%Moisture:** n/a

Collected: 06/27/06 **Received:** 06/28/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Chloride	EPA 325.2	74185	1	50.0		mg/L	1.00	28-Jun-06	28-Jun-06	12:29 LJL (1)	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

7/5/2006 15:02:49

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical®
New Orleans Laboratory

Client ID: WW262706 **Client:** CRA

Project: N.M. "F" STATE BATTERY/039122 **Site:** None

Lab ID: 20456368 **Project No.:** 2060725

Description: None **Matrix:** Water **%Moisture:** n/a

Collected: 06/27/06 **Received:** 06/28/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Chloride	EPA 325.2	74185	1	69.7		mg/L	1.00	28-Jun-06	28-Jun-06 12:29	LJL (1)	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

7/5/2006 15:02:49

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: DUP62706 **Client:** CRA

Project: N.M. "F" STATE BATTERY/039122 **Site:** None

Lab ID: 20456369 **Project No.:** 2060725

Description: None **Matrix:** Water **%Moisture:** n/a

Collected: 06/27/06 **Received:** 06/28/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis		Reg. Limit
Chloride	EPA 325.2	74185	1	31.0		mg/L	1.00	28-Jun-06	28-Jun-06	12:29 LJL (1)	

1 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

7/5/2006 15:02:49

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8021 **Project:** 2060725 **LCS:** 20456584 6/29/2006 4:07:00 PM

Batch: 74204 **MS:** 20456909 6/30/2006 6:23:00 AM

Units: ug/L **Original for MS:** 20456362 Project Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Benzene	20	92			20	80	86	7	72 - 133	51 - 147	20	
Ethylbenzene	20	104			20	90	97	7	75 - 136	55 - 145	20	
Toluene	20	97			20	86	92	6	77 - 132	57 - 143	20	
m&p-Xylene	40	102			40	89	93	5	79 - 136	79 - 130	20	
o-Xylene	20	106			20	96	100	4	79 - 136	79 - 130	20	

5 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

7/5/2006 15:02:50

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health .Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical
New Orleans Laboratory

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Report: 2060725 **Batch: 74204**

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20456361	Sample	81							
20456362	Sample	108							
20456363	Sample	105							
20456364	Sample	106							
20456365	Sample	103							
20456366	Sample	96							
20456367	Sample	92							
20456368	Sample	99							
20456369	Sample	101							
20456370	Sample	104							
20456583	BLANK	87							
20456584	LCS	105							
20456589	BLANK	106							
20456590	BLANK	98							
20456909	MS	103							
20456910	MSD	103							
20457042	BLANK	103							
20457179	BLANK	101							
	QC limits:	58-143							

Sur 1: 4-Bromofluorobenzene (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution. and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

7/5/2006 15:02:50

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20456590

Description: 8021 VOAs Water Blank **Project No.:** 2060725

Method: EPA 8021 **Batch:** 74204 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 29-Jun-06 **Analyzed:** 06/29/06 22:45 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		0.500
100-41-4	Ethylbenzene	1	ND		0.500
1634-04-4	Methyl-tert-butyl ether	1	ND		0.500
108-88-3	Toluene	1	ND		0.500
1330-20-7	Xylene (Total)	1	ND		1.50
	m&p-Xylene	1	ND		1.00
95-47-6	o-Xylene	1	ND		0.500

7 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

7/5/2006 15:02:50

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical
New Orleans Laboratory

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20457042

Description: 8021 VOAs Water Blank **Project No.:** 2060725

Method: EPA 8021 **Batch:** 74204 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 30-Jun-06 **Analyzed:** 06/30/06 04:57 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	0.148	J	0.500
100-41-4	Ethylbenzene	1	ND		0.500
1634-04-4	Methyl-tert-butyl ether	1	ND		0.500
108-88-3	Toluene	1	ND		0.500
1330-20-7	Xylene (Total)	1	ND		1.50
	m&p-Xylene	1	0.124	J	1.00
95-47-6	o-Xylene	1	ND		0.500

7 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

7/5/2006 15:02:50

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20457179

Description: 8021 VOAs Water Blank **Project No.:** 2060725

Method: EPA 8021 **Batch:** 74204 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 30-Jun-06 **Analyzed:** 06/30/06 10:40 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		0.500
100-41-4	Ethylbenzene	1	ND		0.500
1634-04-4	Methyl-tert-butyl ether	1	ND		0.500
108-88-3	Toluene	1	ND		0.500
1330-20-7	Xylene (Total)	1	ND		1.50
	m&p-Xylene	1	ND		1.00
95-47-6	o-Xylene	1	ND		0.500

7 compound(s) reported

7/5/2006 15:02:50

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Wet Chemistry Quality Control Results

Project No.: 2060725

Parameter	Batch	Blank	ARL	Units	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS DUP RPD	RPD	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
Chloride	74185	ND	1.00	mg/L	99	99			100	100	100	0		90 - 110	75 - 125	20	

ARL denotes Adjusted Reporting Limit , corrected for sample size, dilution and moisture content as applicable.
* denotes recovery outside of QC limits.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

7/5/2006 15:02:51

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical®

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

2060 725

0937875

Section A
Required Client Information:

Company	CRA
Address	2135 S. Loop 250 W, Midland, TX 79703
Email To:	L.markham@CRAworld.com
Phone	432-686-7235
Fax	686-0186
Requested Due Date/TAT:	STD

Section B
Required Project Information:

Report To:	Luke Markham
Copy To:	
Purchase Order No.:	
Project Name:	N.M. F "State Battery
Project Number:	039122

Section C
Invoice Information:

Attention:	A/P
Company Name:	CRA
Address:	Same
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☒OTHER NM

Section D
Required Client Information

SAMPLE ID

One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: BTEX + MTBE	Chloride	TDS	Temp	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW36270606	WT	G			6-27	1130		4				3				-	N	3	1				20476361
2	MW46270606	WT				6-27	1135		4								-		3	1				362
3	MW56270606	WT				6-27	1645		4								-		3	1				363
4	MW66270606	WT				6-27	1155		4								-		3	1				364
5	MW76270606	WT				6-27	1044		4								-		3	1				365
6	MW86270606	WT				6-27	1220		4								-		3	1				366
7	WW16270606	WT				6-27	1200		4								-		3	1				367
8	WW26270606	WT				6-27	1200		4								-		3	1				368
9	DUP6270606	WT	G			6-27	—		4				3				-		3	1				369
10	TRIP	WT	—			—	—		2				2						2					370
11	Temp	WT	—			—	—										1				1			
12																								

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Joe Mireles / CRA	6-27-06	1530			
Fed Ex	6-28-06	1020	M Jones	6-28-06	1020

SAMPLE CONDITION

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact Y/N
5.2	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Mireles

SIGNATURE of SAMPLER:

DATE Signed (MM / DD / YY)

SEE REVERSE SIDE FOR INSTRUCTIONS

Pace Analytical®
New Orleans Laboratory

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

January 09, 2007

Luke Markham
CRA
2135 S. Loop 250 West
Midland, TX 79701

RE: Project: 2065362
RE: Project ID: N.M. "F" STATE BATTERY/039122

Dear Luke Markham:

Enclosed are the analytical results for sample(s) received by the laboratory on December 21, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Cindy Olavesen

Cindy Olavesen

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Report of Laboratory Analysis

Project Number: 2065362

Pace Analytical
New Orleans Laboratory

Sample Cross Reference Report

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Project: N.M. "F" STATE BATTERY/039122

Project No.: 2065362

Sample ID	Lab ID	Matrix	Collection Date/Time		Received Date/Time	
MW3121906	20491967	Water	12/19/2006	15:30	12/21/2006	10:30
MW4121906	20491968	Water	12/19/2006	14:00	12/21/2006	10:30
MW5121906	20491969	Water	12/19/2006	15:00	12/21/2006	10:30
MW8121906	20491970	Water	12/19/2006	13:30	12/21/2006	10:30
WW1121906	20491971	Water	12/19/2006	12:35	12/21/2006	10:30
WW2121906	20491972	Water	12/19/2006	12:40	12/21/2006	10:30
DUP121906	20491973	Water	12/19/2006		12/21/2006	10:30
TRIP BLANK	20491974	Water	12/19/2006		12/21/2006	10:30
MW6121906	20491975	Water	12/19/2006	12:55	12/21/2006	10:30
MW7121906	20491976	Water	12/19/2006	14:30	12/21/2006	10:30

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2065362

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

All LCS recoveries were within QC limits

Matrix Spikes and Duplicates:

All MS/MSD recoveries or duplicate RPDs were within QC limits

Surrogates:

All surrogate recoveries were within QC limits.

Pace Analytical®
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Client ID: MW3121906 **Site:** None

Project: N.M. "F" STATE BATTERY/039122 **Project No.:** 2065362 **Sample Qu:**

Lab ID: 20491967 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 80403

Method: 8021 VOAs Water **Units:** ug/L **Target List:** 8021_WL20

Collected: 12/19/06 **Received:** 12/21/06

Prep Factor: 1 **Prepared:** 12/23/06 **Analyzed:** 12/23/06 15:07 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

1/9/2007 17:11:10

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Client ID: MW4121906 **Site:** None

Project: N.M. "F" STATE BATTERY/039122 **Project No.:** 2065362 **Sample Qu:**

Lab ID: 20491968 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 80403

Method: 8021 VOAs Water **Units:** ug/L **Target List:** 8021_WL20

Collected: 12/19/06 **Received:** 12/21/06

Prep Factor: 1 **Prepared:** 12/23/06 **Analyzed:** 12/23/06 15:33 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

1/9/2007 17:11:10

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Client ID: MW5121906 **Site:** None

Project: N.M. "F" STATE BATTERY/039122 **Project No.:** 2065362 **Sample Qu:**

Lab ID: 20491969 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 80403

Method: 8021 VOAs Water **Units:** ug/L **Target List:** 8021_WL20

Collected: 12/19/06 **Received:** 12/21/06

Prep Factor: 1 **Prepared:** 12/23/06 **Analyzed:** 12/23/06 15:58 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

1/9/2007 17:11:10

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Client ID: MW8121906 **Site:** None

Project: N.M. "F" STATE BATTERY/039122 **Project No.:** 2065362 **Sample Qu:**

Lab ID: 20491970 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 80403

Method: 8021 VOAs Water **Units:** ug/L **Target List:** 8021_WL20

Collected: 12/19/06 **Received:** 12/21/06

Prep Factor: 1 **Prepared:** 12/23/06 **Analyzed:** 12/23/06 16:24 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

1/9/2007 17:11:10

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Client ID: WW1121906 **Site:** None

Project: N.M. "F" STATE BATTERY/039122 **Project No.:** 2065362 **Sample Qu:**

Lab ID: 20491971 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 80403

Method: 8021 VOAs Water **Units:** ug/L **Target List:** 8021_WL20

Collected: 12/19/06 **Received:** 12/21/06

Prep Factor: 1 **Prepared:** 12/26/06 **Analyzed:** 12/26/06 15:24 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

1/9/2007 17:11:10

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

		Client:	CRA		
Client ID:	WW2121906	**Site:**	None		
Project:	N.M. "F" STATE BATTERY/039122	**Project No.:**	2065362	**Sample Qu:**	
Lab ID:	20491972	**Matrix:**	Water	**% Moisture:**	n/a
Description:	None	**Prep Level:**	Water	**Batch:**	80403
Method:	8021 VOAs Water	**Units:**	ug/L	**Target List:**	8021_WL20
		Collected:	12/19/06	**Received:**	12/21/06
Prep Factor:	1	**Prepared:**	12/26/06	**Analyzed:**	12/26/06 15:51 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

1/9/2007 17:11:10

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Client ID: DUP121906 **Site:** None

Project: N.M. "F" STATE BATTERY/039122 **Project No.:** 2065362 **Sample Qu:**

Lab ID: 20491973 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 80403

Method: 8021 VOAs Water **Units:** ug/L **Target List:** 8021 WL20

Collected: 12/19/06 **Received:** 12/21/06

Prep Factor: 1 **Prepared:** 12/26/06 **Analyzed:** 12/26/06 16:17 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

1/9/2007 17:11:10

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Client ID: TRIP BLANK
Site: None
Project: N.M. "F" STATE BATTERY/039122
Project No.: 2065362
Sample Qu:
Lab ID: 20491974
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 80403
Method: 8021 VOAs Water
Units: ug/L
Target List: 8021_WL20
Collected: 12/19/06
Received: 12/21/06
Prep Factor: 1
Prepared: 12/26/06
Analyzed: 12/26/06 16:42 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

1/9/2007 17:11:10

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Client ID: MW6121906 **Site:** None

Project: N.M. "F" STATE BATTERY/039122 **Project No.:** 2065362 **Sample Qu:**

Lab ID: 20491975 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 80403

Method: 8021 VOAs Water **Units:** ug/L **Target List:** 8021_WL20

Collected: 12/19/06 **Received:** 12/21/06

Prep Factor: 1 **Prepared:** 12/26/06 **Analyzed:** 12/26/06 17:07 DET(1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

1/9/2007 17:11:10

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical
New Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: CRA

Client ID: MW7121906 **Site:** None

Project: N.M. "F" STATE BATTERY/039122 **Project No.:** 2065362 **Sample Qu:**

Lab ID: 20491976 **Matrix:** Water **% Moisture:** n/a

Description: None **Prep Level:** Water **Batch:** 80403

Method: 8021 VOAs Water **Units:** ug/L **Target List:** 8021_WL20

Collected: 12/19/06 **Received:** 12/21/06

Prep Factor: 1 **Prepared:** 12/26/06 **Analyzed:** 12/26/06 17:33 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	1	ND		0.500	
108-88-3	Toluene	1	ND		0.500	
100-41-4	Ethylbenzene	1	ND		0.500	
	m&p-Xylene	1	ND		1.00	
95-47-6	o-Xylene	1	ND		0.500	

5 compound(s) reported

1/9/2007 17:11:10

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical*
New Orleans Laboratory

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8021 **Project:** 2065362 **LCS:** 20492208 12/22/2006 7:43:00 PM

Batch: 80403 **MS:**

Units: ug/L **Original for MS:**

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Benzene	20	87							72 - 133	-		Q5
Ethylbenzene	20	85							75 - 136	-		Q5
Toluene	20	87							77 - 132	-		Q5
m&p-Xylene	40	84							79 - 136	-		Q5
o-Xylene	20	84							79 - 136	-		Q5

5 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/9/2007 17:11:12

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8021 **Project:** 2065362 **LCS:** 20492635 12/26/2006 2:58:00 PM

Batch: 80403 **MS:**

Units: ug/L **Original for MS:**

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Benzene	20	112							72 - 133	-		Q5
Ethylbenzene	20	108							75 - 136	-		Q5
Toluene	20	111							77 - 132	-		Q5
m&p-Xylene	40	107							79 - 136	-		Q5
o-Xylene	20	106							79 - 136	-		Q5

5 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/9/2007 17:11:12

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical*
New Orleans Laboratory

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Report: 2065362 **Batch: 80403**

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20491967	Sample	74							
20491968	Sample	77							
20491969	Sample	72							
20491970	Sample	72							
20491971	Sample	76							
20491972	Sample	79							
20491973	Sample	80							
20491974	Sample	73							
20491975	Sample	76							
20491976	Sample	75							
20492207	BLANK	107							
20492208	LCS	101							
20492507	BLANK	78							
20492508	BLANK	104							
20492634	BLANK	74							
20492635	LCS	98							
20492636	BLANK	107							
	QC limits:	58-143							

Sur 1: 4-Bromofluorobenzene (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/9/2007 17:11:14

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20492508

Description: 8021 VOAs Water Blank **Project No.:** 2065362

Method: EPA 8021 **Batch:** 80403 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 23-Dec-06 **Analyzed:** 12/23/06 12:33 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		0.500
100-41-4	Ethylbenzene	1	ND		0.500
1634-04-4	Methyl-tert-butyl ether	1	ND		0.500
108-88-3	Toluene	1	ND		0.500
	m&p-Xylene	1	ND		1.00
95-47-6	o-Xylene	1	ND		0.500

6 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/9/2007 17:11:15

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20492634

Description: 8021 VOAs Water Blank **Project No.:** 2065362

Method: EPA 8021 **Batch:** 80403 **Units:** ug/L

Prep Factor: 1 **Leached:** **Prepared:** 26-Dec-06 **Analyzed:** 12/26/06 14:07 DET (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
71-43-2	Benzene	1	ND		0.500
100-41-4	Ethylbenzene	1	ND		0.500
1634-04-4	Methyl-tert-butyl ether	1	ND		0.500
108-88-3	Toluene	1	ND		0.500
	m&p-Xylene	1	ND		1.00
95-47-6	o-Xylene	1	ND		0.500

6 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/9/2007 17:11:15

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical®
New Orleans Laboratory

Report Qualifiers

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2065362

QC Qualifiers

Qualifier	Qualifier Description
Q5	Insufficient sample was provided to perform matrix spike analyses on any sample in this analytical batch. Method performance for this analyte has been demonstrated by the laboratory control sample recovery.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

[redacted] Air [redacted] Analytical Request [redacted]

Pace Analytical®
www.pacelabs.com

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

740142

Page: 1 of 1

To Be Completed by Pace Analytical and Client

Section A — Required Client Information:

Company: CRA
Address: 2135 S. Loop 250 W.
Midland, TX 79703
Phone: 432-686-0086
Fax: 432-686-0186

Section B — Required Client Information:

Report To: Luke Markham
Copy To:
Invoice To:
P.O.
Project Name: NM "F" State Battery
Project Number: 039127

Client Information (Check quote/contract):
Requested Due Date: *TAT:

* Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calendar days.

Section C

Quote Reference:
Project Manager:
Project #: 20605362
Profile #: 2981 / L2

Section D — Required Client Information:

Valid Matrix Codes

MATRIX	CODE
WATER	WT
SOIL	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

ITEM #	SAMPLE ID (One character per box. (A–Z, 0–9 / .–) Sample IDs MUST BE UNIQUE)	MATRIX CODE	DATE COLLECTED (mm / dd / yy)	TIME COLLECTED (hh:mm a/p)	# Containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other ICE	Requested Analysis: BTEX 8021B	Remarks / Lab ID
1	MW312190 6	WT	12-19-06	1530	3				X				X	X	2049 1967
2	MW412190 6		1279	1400					X					X	1968
3	MW512190 6		12-19	1500					X					X	1969
4	~~MW712190 6~~		~~12-19~~	~~[redacted]~~											
5	MW812190 6		12-19	1330					X				X	X	1970
6	WW112190 6		12-19	1235					X					X	1971
7	W W212190 6		12-19	1240					X					X	1972
8	DUP12190 6		12-19	—	3				X					X	1973
9	TRIP	WT	12-19	—	2				X					X	1974
10	MW612190 6	WT	12-19	1255	3				X					X	1975
11	MW712190 6	WT	12-19	1430	3				X					X	1976
12															

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Joe Mireles/CRA	12/20/06	1000			
	Fedex	12-21-6	1630	[redacted]	12/06	1030

SAMPLE CONDITION

Temp in °C	3.7
Received on Ice	(Y)N
Sealed Cooler	(Y)N
Samples Intact	(Y)N

SAMPLE NOTES

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Mireles
SIGNATURE of SAMPLER: [signature]
DATE Signed: (MM / DD / YY) 12/20/06

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 879614

Client: PACE ANALYTICAL SERVICES, INC.
Lab Contact: Brian Basten

Project Name: CRA

Project Number: 2065362

Lab Sample Number	Field ID	Matrix	Collection Date
879614-001	MW3121906 20491967	WATER	12/19/06 15:30
879614-002	MW4121906 20491968	WATER	12/19/06 14:00
879614-003	MW5121906 20491969	WATER	12/19/06 15:00
879614-004	MW6121906 20491975	WATER	12/19/06 12:55
879614-005	MW7121906 20491976	WATER	12/19/06 14:30
879614-006	MW8121906 20491970	WATER	12/19/06 13:30
879614-007	WW1121906 20491971	WATER	12/19/06 12:35
879614-008	WW2121906 20491972	WATER	12/19/06 12:40
879614-009	DUP121906 20491973	WATER	12/19/06

Approval Signature

1-9-07
Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 879614

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : CRA
Project Number : 2065362
Field ID : MW3121906 20491967

Matrix Type : WATER
Collection Date : 12/19/06
Report Date : 01/09/07
Lab Sample Number : 879614-001

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Chloride	28	5.0	1	mg/L		12/29/06	EPA 300.0	EPA 300.0

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 879614

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : CRA
Project Number : 2065362
Field ID : MW4121906 20491968

Matrix Type : WATER
Collection Date : 12/19/06
Report Date : 01/09/07
Lab Sample Number : 879614-002

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Chloride	34	5.0	1	mg/L		12/29/06	EPA 300.0	EPA 300.0

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 879614

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : CRA
Project Number : 2065362
Field ID : MW5121906 20491969

Matrix Type : WATER
Collection Date : 12/19/06
Report Date : 01/09/07
Lab Sample Number : 879614-003

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Chloride	51	5.0	1	mg/L		12/29/06	EPA 300.0	EPA 300.0

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 879614

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : CRA
Project Number : 2065362
Field ID : MW6121906 20491975

Matrix Type : WATER
Collection Date : 12/19/06
Report Date : 01/09/07
Lab Sample Number : 879614-004

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Chloride	88	5.0	1	mg/L		12/29/06	EPA 300.0	EPA 300.0

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 879614

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : CRA
Project Number : 2065362
Field ID : MW7121906 20491976

Matrix Type : WATER
Collection Date : 12/19/06
Report Date : 01/09/07
Lab Sample Number : 879614-005

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Chloride	130	25	5	mg/L		01/05/07	EPA 300.0	EPA 300.0

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 879614

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : CRA
Project Number : 2065362
Field ID : MW8121906 20491970

Matrix Type : WATER
Collection Date : 12/19/06
Report Date : 01/09/07
Lab Sample Number : 879614-006

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Chloride	83	5.0	1	mg/L		12/29/06	EPA 300.0	EPA 300.0

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 879614

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : CRA
Project Number : 2065362
Field ID : WW1121906 20491971

Matrix Type : WATER
Collection Date : 12/19/06
Report Date : 01/09/07
Lab Sample Number : 879614-007

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Chloride	80	5.0	1	mg/L		12/29/06	EPA 300.0	EPA 300.0

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 879614

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : CRA
Project Number : 2065362
Field ID : WW2121906 20491972

Matrix Type : WATER
Collection Date : 12/19/06
Report Date : 01/09/07
Lab Sample Number : 879614-008

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Chloride	57	5.0	1	mg/L		12/29/06	EPA 300.0	EPA 300.0

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 879614

Client : PACE ANALYTICAL SERVICES, INC.
Project Name : CRA
Project Number : 2065362
Field ID : DUP121906 20491973

Matrix Type : WATER
Collection Date : 12/19/06
Report Date : 01/09/07
Lab Sample Number : 879614-009

INORGANICS

Test	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Chloride	28	5.0	1	mg/L		12/29/06	EPA 300.0	EPA 300.0

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Inorganic	Sample received unpreserved. Sample was either preserved at the time of receipt or at the time of sample preparation.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.

Test Group Name	879614-001	879614-002	879614-003	879614-004	879614-005	879614-006	879614-007	879614-008	879614-009
CHLORIDE	B	B	B	B	B	B	B	B	B

Code	Facility	Address	TX Certification
B	Green Bay Lab (Bellevue St)	1241 Bellevue Street, Suite 9 Green Bay, WI 54302	Not Certified

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 879614
Lab Section: WETCHEM
QC Batch Number: 17368
Prep Method: EPA 300.0
Analytical Method: EPA 300.0

QC Type	Client Sample ID	Lab Sample ID
MB	WCG2081-072MB	WCG2081-072MB
LCS	WCG2081-072MBLCS	WCG2081-072MBLCS
MS	879736-001MS	879736-001MS
MS	MW4121906 20491968MS	879614-002MS
MSD	879736-001MSD	879736-001MSD
MSD	MW4121906 20491968MS	879614-002MSD

Client Sample ID	Lab Sample ID	MB ID
MW3121906 20491967	879614-001	MB
MW5121906 20491969	879614-003	MB
MW7121906 20491976	879614-005	MB
WW1121906 20491971	879614-007	MB
DUP121906 20491973	879614-009	MB

Client Sample ID	Lab Sample ID	MB ID
MW4121906 20491968	879614-002	MB
MW6121906 20491975	879614-004	MB
MW8121906 20491970	879614-006	MB
WW2121906 20491972	879614-008	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD	%	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD	%	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Chloride	<	5	20.0	18.8	94.1		---	---	---		---			90	110	20	879614-002	33.9	20.0	53.8	99.6		20.0	54	100.3		0.3			90	110	20
Chloride	<	5	20.00	18.8	94.1		---	---	---		---			90	110	20	879736-001	87.30	200.0	262.8	87.8	N	200.0	262	87.3	N	0.3			90	110	20

Conc = mg/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 1/9/2007
QC Batch Number: 17368

Sample Condition Upon Receipt

Pace Analytical

Client Name: CRA Project # 879614

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional Proj. Due Date: _____ Proj. Name: _____

Custody Seal on Cooler/Box Present: ☒ yes ☐ no Seals intact: ☒ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags MWY ☒ None ☐ Other _____

Thermometer Used JB Type of Ice: (Wet) Blue None ☒ Samples on ice, cooling process has begun

Cooler Temperature 1.0 °C Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 12-21-06 MWY 12/21/06

Temp should be above freezing to 6°C Comments:

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☐Yes ☒No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☒No ☐N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☒No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☒No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☐No ☒N/A	15.
Trip Blank Present:	☐Yes ☒No ☐N/A	16.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: Requesting method 3020, What needs to be done? 12/21/06

Project Manager Review: _____ **Date:** 12-21-06

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Pace Analytical®
www.pacelabs.com

740143

Required Client Information: Section A

Company: CRA
Address: 2135 S. Loop 250 W.
Midland, TX 79703
Phone: 432-686-0086 Fax: 432-686-0186

Required Client Information: Section B

Report To: Luke Markham
Copy To:
Invoice To:
P.O.
Project Name: N.M. F State Battery
Project Number: 039122

Page: of

Client Information (Check quote/contract):
Requested Due Date: *TAT:

* Turn around times less than 14 days subject to laboratory and contractual obligations and may result in a Rush Turnaround Surcharge.
Turn Around Time (TAT) in calendar days.

To Be Completed by Pace Analytical and Client: Section C

Quote Reference:
Project Manager:
Project #:
Profile #:

Section D Required Client Information:

SAMPLE ID
One character per box.
(A-Z, 0-9 / .-)
Sample IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
WATER	WT
SOIL	SL
OIL	OL
WIPE	WP
AIR	AR
TISSUE	TS
OTHER	OT

Requested Analysis: Chloride method 300.0

ITEM #	SAMPLE ID	MATRIX CODE	DATE COLLECTED (mm / dd / yy)	TIME COLLECTED (hh:mm a/p)	# Containers	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Remarks / Lab ID
1	MW 3 1 2 1 9 0 6	WT	12-19-06	1530	1	1							1	001 1 500 mL poly
2	MW 4 1 2 1 9 0 6			1400	1	1							1	002
3	MW 5 1 2 1 9 0 6			1500	1	1							1	003
4	MW 6 1 2 1 9 0 6			1255	1	1							1	004
5	MW 7 1 2 1 9 0 6			1430	1	1							1	005
6	MW 8 1 2 1 9 0 6			1330	1	1							1	006
7	WW 1 1 2 1 9 0 6			1235	1	1							1	007
8	WW 2 1 2 1 9 0 6			1240	1	1							1	008
9	DUP 1 2 1 9 0 6	WT	12-19-06	—	1	1							1	009
10														
11														
12														

879614

SHIPMENT METHOD	AIRBILL NO.	SHIPPING DATE	NO. OF COOLERS

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Joe Mireles/CRA	12-20-06	1000			
	Fedex	12-21-06	1000	Mark W. Gaule	12-21-06	1000

SAMPLE CONDITION

Temp in °C	1.0
Received on Ice	(Y)N
Sealed Cooler	(Y)N
Samples Intact	(Y)N

SAMPLE NOTES

Additional Comments:

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Joe Mireles
SIGNATURE of SAMPLER: Joe Mireles
DATE Signed: (MM / DD / YY) 12-20-06

ORIGINAL