

District I
625 N. French Dr., Hobbs, NM 88240
District II
301 W. Grand Avenue, Artesia, NM 88210
District III
000 Rio Brazos Road, Aztec, NM 87410
District IV
220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003
Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

| | | | |
|-----------------|---------------------------------------|--|--------------|
| OPERATOR | | <input checked="" type="checkbox"/> Initial Report | Final Report |
| Name of Company | Legacy Reserves, LP | Contact | Kevin Bracey |
| Address | P. O. Box 10848, Midland, Texas 79702 | Telephone No. | 432-238-2856 |
| Facility Name | LR Chamberlain Tank Battery | Facility Type | Tank Battery |
| Surface Owner | Darr Angell | Mineral Owner | |
| | | Lease No. | |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| C | 14 | 15S | 37E | | | | | Lea |

Latitude 33° 01' 20.3" North

Longitude 103° 10' 16.6" West

NATURE OF RELEASE

| | | | | | |
|-----------------------------|---|---|-----------------|----------------------------|-----------------|
| Type of Release | Produced Water and crude oil | Volume of Release | 680 bbls | Volume Recovered | 600 bbls |
| Source of Release | Tank | Date and Hour of Occurrence | 1/6/2010 @ 0800 | Date and Hour of Discovery | 1/6/2010 @ 1000 |
| Was Immediate Notice Given? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom? | Geoff LeKing | | |
| By Whom? | Camille Bryant | Date and Hour | 1/7/2010 @ 1344 | | |
| Was a Watercourse Reached? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, Volume Impacting the Watercourse. | | | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken: The transfer line on a 500 barrel tank became obstructed resulting in a release of produced water and crude oil. The site will be remediated to NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken. Release impacted approximately 27,000 square feet inside the tank battery.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases, which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | |
|--------------------------------------|--|---------------------------|
| Signature: <i>Kevin Bracey</i> | OIL CONSERVATION DIVISION ENV. ENGINEER Approved by District Supervisor: <i>Geoffrey LeKing</i> | |
| Printed Name: Kevin Bracey | Approval Date: 01/16/10 | Expiration Date: 03/11/10 |
| Title: Production Foreman | Conditions of Approval: DELINQUENTS TO CLEAN UP. SUBMIT FINAL BY | |
| E-mail Address: kbracey@legacylp.com | IRP-10-01-2390 | |
| Date: 1/7/2010 | Phone: 432-238-2856 | |

RECEIVED

JAN 11 2010
HOBBS, NM

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
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1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

| | | | |
|-----------------|---------------------------------------|---------------|--------------|
| Name of Company | Legacy Reserves, LP | Contact | Kevin Bracey |
| Address | P. O. Box 10848, Midland, Texas 79702 | Telephone No. | 432-238-2856 |
| Facility Name | LR Chamberlain Tank Battery Sec. 14 | Facility Type | Tank Battery |
| Surface Owner | Darr Angell | Mineral Owner | |
| | | Lease No. | |

LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| C | 14 | 15S | 37E | | | | | Lea |

Latitude 33° 01' 20.3" North Longitude 103° 10' 16.6" West

NATURE OF RELEASE

| | | | | | |
|-----------------------------|---|-----------------------------|---|----------------------------|---------------|
| Type of Release | Produced Water | Volume of Release | 80 bbls | Volume Recovered | 60 bbls |
| Source of Release | Transfer pump | Date and Hour of Occurrence | 5/1/10 @ 0800 | Date and Hour of Discovery | 5/1/10 @ 0830 |
| Was Immediate Notice Given? | X Yes No Not Required | | If YES, To Whom? Geoff Leiking | | |
| By Whom? | Camille Bryant | | Date and Hour 5/6/10 @ 0900 | | |
| Was a Watercourse Reached? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | If YES, Volume Impacting the Watercourse. | | |

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken: Equipment failure of a 3:1 swedge on discharge side of transfer pump resulted in a release of produced water. The site will be remediated to NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken. Release impacted approximately 8,470 square feet inside the tank battery.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases, which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

| | | |
|--------------------------------------|---|---------------------------|
| Signature: <i>Kevin Bracey</i> | OIL CONSERVATION DIVISION | |
| Printed Name: Kevin Bracey | ENV. ENGINEERING; Approved by District Supervisor: <i>Jeffrey Loring</i> | |
| Title: Production Foreman | Approval Date: 05/10/10 | Expiration Date: 07/19/10 |
| E-mail Address: kbracey@legacylp.com | Conditions of Approval: | |
| Date: 5/7/10 | Phone: 432-238-2856 | 107-10.5.2508 2513 |

RECEIVED
MAY 10 2010
HOBBSDALE

Basin Environmental Service Technologies, LLC

3100 Plains Highway
P. O. Box 301
Lovington, New Mexico 88260
Office: (575) 396-2378 Fax: (575) 396-1429
Email: pm@basinenv.com



LEGACY
CHAMBERLAIN

HOBBS OCD

JUN 03 2011

RECEIVED

REMEDIATION SUMMARY AND SITE CLOSURE REQUEST

LEGACY RESERVES, LP
LR Chamberlain Tank Battery
Lea County, New Mexico
UNIT LTR "C" (NE ¼ NW ¼), Section 14, Township 15 South, Range 37 East
Latitude 33° 01' 20.3" North, Longitude 103° 10' 16.6" West
NMOCD Reference # 1RP-2390 and 1RP-2513

Prepared For:

Legacy Reserves, L.P.
P.O. Box 10848
Midland, TX 79702

Prepared By:

Basin Environmental Service Technologies, LLC
2800 Plains Highway
Lovington, New Mexico 88260

December 2010

JOEL LOWRY

Joel W. Lowry
Project Manager

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1.0 INTRODUCTION AND BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Legacy Reserves, LP (Legacy), has prepared this *Remediation Summary and Site Closure Request* for the release site known as LR Chamberlain Tank Battery. The legal description of the release site is Unit Letter "C" (NE ¼ NW ¼), Section 14, Township 15 South, Range 37 East, in Lea County, New Mexico. The property affected by the release is owned by Mr. Darr Angell. The release site latitude is 32° 01' 20.3" North and the longitude is 103° 10' 16.6" West. Please reference Figure 1 for a Site Location Map and Figure 2 for a Site and Sample Location Map. General photographs are provided as Appendix C.

On January 6, 2010, Legacy discovered a release had occurred at the LR Chamberlain Tank Battery. The transfer line on a 500 barrel tank was obstructed, resulting in a release of produced water and crude oil. The release was reported to the New Mexico Oil Conservation Division (NMOCD) Hobbs District Office on January 7, 2010. The Release Notification and Corrective Action (Form C-141) indicated approximately 680 barrels of produced water and crude oil was released and 600 barrels were recovered. The release was confined within the tank battery. The Release Notification and Corrective Action (Form C-141) is provided as Appendix D.

On May 5, 2010, Legacy discovered an additional release had occurred at the LR Chamberlain Tank Battery. Equipment failure of a 3:1 swedge on the discharge side of the transfer pump resulted in a release of produced water. The release was reported to the NMOCD Hobbs District Office on May 6, 2010. The Release Notification and Corrective Action (Form C-141) indicated approximately 80 barrels of produced water was released and approximately 60 barrels were recovered. The release was confined within the tank battery. The Release Notification and Corrective Action (Form C-141) is provided as Appendix D.

Remediation activities of the January 6, 2010, and May 5, 2010, releases will be conducted simultaneously.

2.0 NMOCD SITE CLASSIFICATION

A search of the New Mexico Office of the State Engineer (NMOSE) database indicates the average depth to groundwater is approximately forty (40) feet below ground surface (bgs) in the section. This depth to groundwater results in a score of twenty (20) points being assigned to the site based on the NMOCD depth to groundwater criteria.

The water well database, maintained by the NMOSE, indicated there are no water wells less than 1,000 feet from the release, resulting in zero (0) points being assigned to this site as a result of this criteria.

There are no surface water bodies located within 1,000 feet of the site. Based on the NMOCD ranking system, zero (0) points will be assigned to the site as a result of the criteria.

The NMOCD guidelines indicate the LR Chamberlain Tank Battery release site has an initial ranking score of twenty (20). Based on this score, the soil remediation levels for a site with a ranking score of twenty (20) points are as follows:

- Benzene – 10 mg/kg (ppm)
- BTEX – 50 mg/kg (ppm)
- TPH – 100 mg/kg (ppm)

The NMOCD chloride clean up level concentrations are site specific and will be 500 mg/kg per the NMOCD – Hobbs District Office.

3.0 SUMMARY OF SOIL REMEDIATION ACTIVITIES

On January 22, 2010, Basin began excavation activities at the LR Chamberlain Tank Battery release site. The area inside the tank battery was excavated to approximately 1.5 feet bgs. Approximately 1,200 cubic yards (cy) of impacted soil was excavated and stockpiled on-site pending final disposition.

On March 30, 2010, two (2) trenches (NE Corner and S. Middle) were advanced at the site to investigate the vertical and horizontal extent of impact at the site. Selected soil samples were submitted to the laboratory and analyzed for concentrations of benzene, toluene, ethyl-benzene and xylenes (BTEX), total petroleum hydrocarbons (TPH) and chlorides using EPA SW 846-8021b, SW 846-8015M and E 300, respectively. A summary of the analytical results are included in Table 1, Concentrations of BTEX, TPH and Chlorides in Soil. Laboratory analytical reports are provided as Appendix B.

The NE Corner Trench was advanced in the northeast corner of the tank battery to approximately seventeen (17) feet bgs. Four (4) soil samples (NE Corner @ 5', NE Corner @ 10', NE Corner @ 15' and NE Corner @ 17') were collected from the trench and submitted to the laboratory for analysis. Following soil sample collection, the trench was backfilled. Laboratory analytical results indicated benzene concentrations were less than the appropriate laboratory method detection limit (MDL) for all the submitted soil samples. BTEX concentrations ranged from 0.0256 mg/kg for soil sample NE Corner @ 17' to 25.5 mg/kg for soil sample NE Corner @ 15'. TPH concentrations ranged from 431 mg/kg for soil sample NE Corner @ 17' to 5,435 mg/kg for soil sample NE Corner @ 15'. Chloride concentrations ranged from 624 mg/kg for soil sample NE Corner @ 15' to 1,420 mg/kg for soil sample NE Corner @ 5'.

The S. Middle trench was advanced in the center of the tank battery approximately forty (40) feet south of the eastern-most tank, to approximately fifteen (15) feet bgs. Four (4) soil samples (S. Middle @ 5', S. Middle @ 10', S. Middle @ 12' and S. Middle @ 15') were collected from the trench and submitted to the laboratory for analysis. Following soil sample collection, the trench was backfilled. Laboratory analytical results indicated benzene concentrations were less than the appropriate laboratory MDL for all the submitted soil samples. BTEX concentrations ranged from 2.773 mg/kg for soil sample S. Middle @ 5' to 173.5 mg/kg for soil sample S. Middle @ 12'. TPH concentrations ranged from 3,391 mg/kg for soil sample S. Middle @ 5' to 9,477 mg/kg for soil sample S. Middle @ 12'. Chloride concentrations ranged from 1,680 mg/kg for soil sample S. Middle @ 10' to 3,110 mg/kg for soil sample S. Middle @ 12'.

On April 28, 2010, five (5) delineation trenches (T-1, T-2, T-3, T-4 and T-5) were advanced outside of the tank battery to investigate the vertical and horizontal extent of impacted soil at the site. Trenches T-1, T-2 and T-3 were advanced to the north of the tank battery. Trenches T-4

and T-5 were advanced to the west and east, respectively. The delineation trenches were positioned against the berm and extended perpendicular to the direction of the berm. Selected soil samples were collected from the trenches and submitted to the laboratory for determination of BTEX, TPH and chloride concentrations.

Trench #1 was advanced on the northwest side of the tank battery to an approximate depth of seventeen (17) feet bgs. Twelve (12) soil samples (T-1 Sample 1 @ 2', T-1 Sample 1 @ 7', T-1 Sample 1 @ 15', T-1 Sample 1 @ 17', T-1 Sample 2 @ 2', T-1 Sample 2 @ 5', T-1 Sample 3 @ 2', T-1 Sample 3 @ 5', T-1 Sample 4 @ 2', T-1 Sample 4 @ 5', T-1 Sample 5 @ 2' and T-1 Sample 5 @ 3') were collected and submitted to the laboratory for analysis. Following soil sample collection, the trench was backfilled. Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriate laboratory MDL for all the submitted soil samples. TPH concentrations were less than the appropriate laboratory MDL for all the submitted soil samples, with the exception of soil samples T-1 Sample 5 @ 2' and T-1 Sample 5 @ 3', which exhibited TPH concentrations of 113.5 mg/kg and 180.6 mg/kg, respectively. Chloride concentrations ranged from 8.95 mg/kg for soil sample T-1 Sample 5 @ 3' to 1,460 mg/kg for soil sample T-1 Sample 4 @ 5'.

Trench #2 was advanced on the north central side of the tank battery to an approximate depth of thirteen (13) feet bgs, where a solid rock layer was encountered. Eight (8) soil samples (T-2 Sample 1 @ 2', T-2 Sample 1 @ 7', T-2 Sample 1 @ 12', T-2 Sample 1 @ 13', T-2 Sample 2 @ 2', T-2 Sample 2 @ 5', T-2 Sample 3 @ 2' and T-2 Sample 3 @ 5') were collected and submitted to the laboratory for analysis. Following soil sample collection, the trench was backfilled. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for all the submitted soil samples. Chloride concentrations ranged from 66.3 mg/kg for soil sample T-2 Sample 3 @ 5' to 837 mg/kg for soil sample T-2 Sample 1 @ 2'.

Trench #3 was advanced on the northeast side of the tank battery to an approximate depth of seven (7) feet bgs. Seven (7) soil samples (T-3 Sample 1 @ 2', T-3 Sample 1 @ 5', T-3 Sample 1 @ 7', T-3 Sample 2 @ 5', T-3 Sample 3 @ 5', T-3 Sample 4 @ 2' and T-3 Sample 4 @ 5') were collected and submitted to the laboratory for analysis. Following soil sample collection, the trench was backfilled. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for all submitted soil samples. Chloride concentrations ranged from 71.6 mg/kg for soil sample T-3 Sample 4 @ 2' to 981 mg/kg for soil sample T-3 Sample 3 @ 5'.

Trench #4 was advanced on the west side of the tank battery to an approximate depth of three (3) feet bgs. A solid rock layer was encountered on the west side of the tank battery at depths ranging from one and half (1.5) feet to three (3) feet bgs. Four (4) soil samples (T-4 Sample 1 @ 1.5', T-4 Sample 2 @ 1.5', T-4 Sample 3 @ 2' and T-4 Sample 3 @ 3') were collected and submitted to the laboratory for analysis. Following soil sample collection the trench was backfilled. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for all the submitted soil samples. Chloride concentrations ranged from 67.6 mg/kg for soil sample T-4 Sample 3 @ 2' to 885 mg/kg for soil sample T-4 Sample 2 @ 1.5'.

Trench #5 was advanced on the east side of the tank battery to an approximate depth of three and a half (3.5) feet bgs. A solid rock layer was encountered on the east side of the battery at depths ranging from approximately one and a half (1.5) feet to three and a half (3.5) feet bgs. Three (3) soil samples (T-5 Sample 1 @ 2', T-5 Sample 1 @ 3.5' and T-5 Sample 2 @ 2') were collected and submitted to the laboratory for analysis. Following soil sample collection the trench was backfilled. Laboratory analytical results indicated benzene, BTEX and TPH concentrations were less than the appropriate laboratory MDL for all the submitted soil samples. Chloride concentrations ranged from 66.4 mg/kg for soil sample T-5 Sample 2 @ 2' to 2,870 mg/kg for soil sample T-5 Sample 1 @ 2'.

On June 29, 2010, with NMOCD approval, one (1) soil boring (SB-1) was advanced inside the LR Chamberlain Tank Battery to investigate the vertical extent of soil impact. Soil boring logs are provided as Appendix A. Soil samples were collected a five (5) foot drilling intervals and field screened using a Photo-Ionization Detector (PID) and a chloride field screening kit. Selected soil samples were submitted to the laboratory for determination of concentrations of BTEX, TPH and chlorides.

Soil boring SB-1 was advanced in the southern portion of the tank battery to a total depth of approximately thirty (30) feet bgs. Soil samples collected at five (5) feet, ten (10) feet, fifteen (15) feet, twenty (20) feet, twenty-five (25) feet and thirty (30) feet were submitted to the lab for analysis. Laboratory analytical results indicated benzene and BTEX concentrations were less than the appropriate laboratory MDL for all the submitted soil samples. TPH concentrations ranged from less than the appropriate laboratory MDL for soil samples SB-1 @ 10', SB-1 @ 15', SB-1 @ 20' and SB-1 @ 25' to 51.9 mg/kg for soil sample SB-1 @ 5'. Chloride concentrations ranged from 72.7 mg/kg for soil sample SB-1 @ 25' to 2,170 mg/kg for soil sample SB-1 @ 5'.

August 11, 2010, Legacy submitted a *Remediation Summary and Site Closure Proposal* to a representative of the NMOCD Hobbs District Office. The Proposal was approved by the NMOCD representative.

On September 30, 2010, Basin resumed excavation activities at the site. The area inside the tank battery was excavated to the solid rock layer, with the exception of the areas defined by and including South Middle Trench and NE Trench, which were excavated to fifteen (15) feet bgs. Upon completing the excavation activities, the excavation was backfilled to approximately two (2) feet bgs with locally purchased, non-impacted soil.

Between October 8 and 15, 2010, a one (1) foot clay cap was installed in the excavation and compacted. Following the installation of the clay cap, the site was backfilled with locally purchased non-impacted caliche, compacted in twelve (12) inch lifts and graded.

On October 28, 2010, Basin began excavation activities outside of the containment. As outlined in the *Remediation Summary and Site Closure Proposal*, the area defined by and including Trench #1 was excavated to approximately ten (10) feet bgs and advanced to the north until field tests indicated chloride concentrations were less than 500 mg/kg. A summary of results from chloride field tests are presented in Table 2, Field Test Results for Chloride Concentrations. The area defined by and including Trench #2 was excavated to approximately eight (8) feet bgs and advanced to the north until field tests indicated chloride concentrations were less than 500 mg/kg. The area defined by and including Trench #3 was excavated to approximately five (5)

feet bgs and advanced to the north until field tests indicated chloride concentrations were less than 500 mg/kg. The area defined by and including Trench #4 was excavated to approximately two (2) feet bgs and advanced to the west until field tests indicated chloride concentrations were less than 500 mg/kg. Upon completing excavation activities, the remainder of the excavation was backfilled to approximately two (2) feet bgs with locally purchased, non-impacted soil.

The dimensions of the excavated area were approximately three hundred thirty (330) feet in length, one hundred fifty (150) feet in width and two (2) to fifteen (15) feet in depth. Between October 5 and November 8, 2010, Basin transported approximately 6,840 cy of excavated soil to Gandy Marley, Inc. (NMOCD Permit #DP-1041) for disposal.

On November 10 and 11, 2010, a one (1) foot clay cap was installed in the remaining excavation and compacted. Following the installation of the clay cap, the site was backfilled with locally purchased, non-impacted caliche, compacted in twelve (12) inch lifts and contoured to fit the surrounding topography.

4.0 QA/QC PROCEDURES

4.1 Soil Sampling

Soil Samples were delivered to Xenco Laboratories in Odessa, Texas, for BTEX, TPH and chloride analyses using the methods described below. Soil samples were analyzed for BTEX, TPH and chloride concentrations within fourteen (14) days following the collection date.

The soil samples were analyzed as follows:

- BTEX concentrations in accordance with EPA Method 8021B, 5030
- TPH concentrations in accordance with modified EPA Method 8015M GRO/DRO
- Chloride concentrations in accordance with EPA Method 300.1

4.2 Decontamination of Equipment

Cleaning of the sampling equipment was the responsibility of the environmental technician. Prior to use and between each sample, the sampling equipment was cleaned with Liqui-Nox® detergent and rinsed with distilled water.

4.3 Laboratory Protocol

The laboratory was responsible for proper QA/QC procedures after signing the chain-of-custody (COC) form. These procedures were either transmitted with the laboratory reports or are on file at the laboratory.

5.0 SITE CLOSURE REQUEST

Basin recommends Legacy provide the NMOCD Hobbs District Office a copy of the *Remediation Summary and Site Closure Request* and request the NMOCD grant site closure to the LR Chamberlain Tank Battery.

6.0 LIMITATIONS

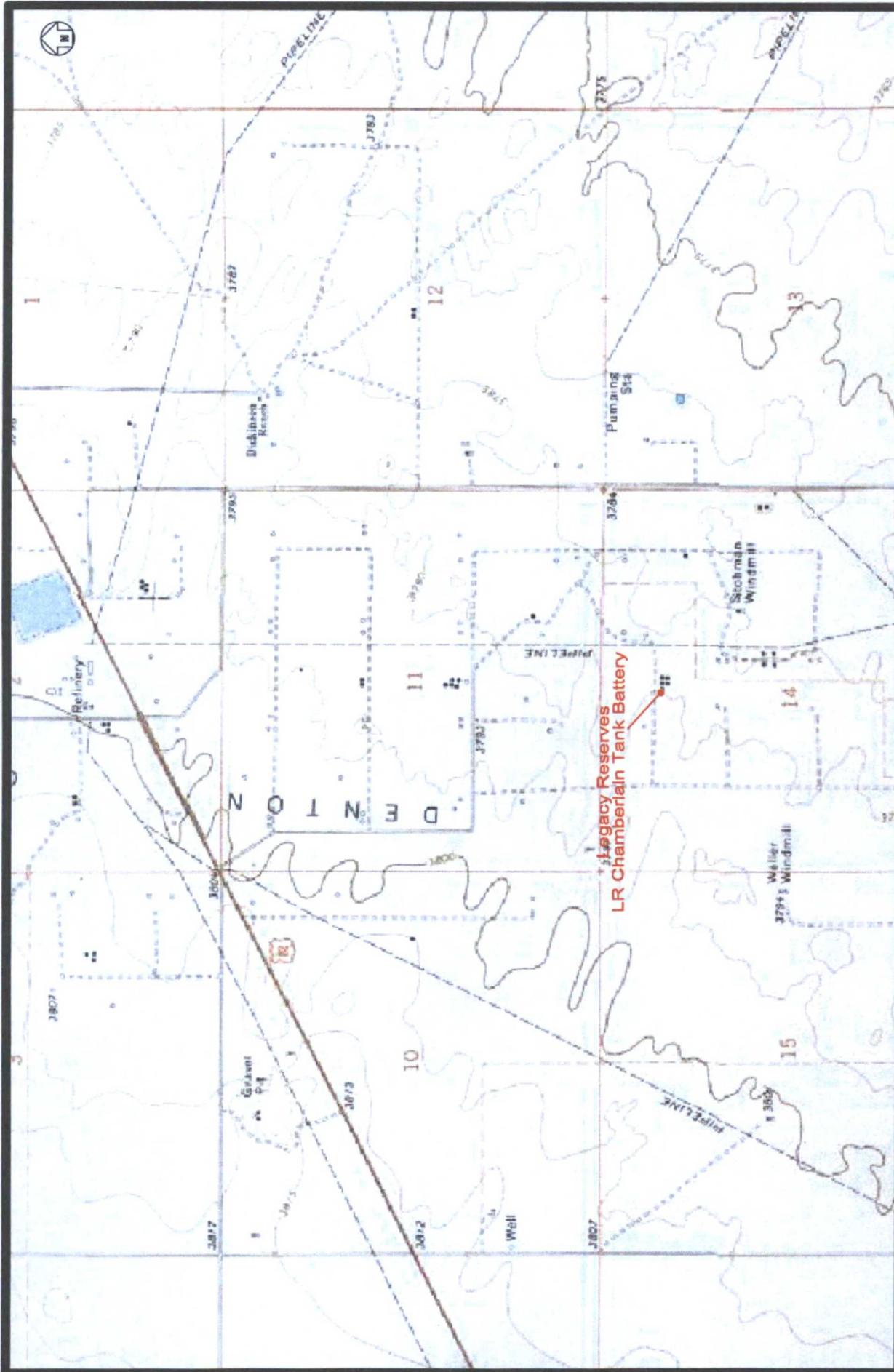
Basin Environmental Services Technologies, LLC, has prepared this *Remediation Summary and Site Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended.

Basin Environmental Service Technologies, LLC, has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Basin Environmental Service Technologies, LLC, has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Basin Environmental Service Technologies, LLC, has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Basin Environmental Service Technologies, LLC, also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Legacy Reserves, L.P. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Basin Environmental Service Technologies, LLC, and/or Legacy Reserves, L.P.

7.0 DISTRIBUTION:

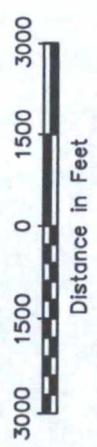
- Copy 1: Geoffrey Leking
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division (District 1)
625 N. French Drive
Hobbs, New Mexico 88240
- Copy 2: Kevin Bracey
Legacy Reserves, LP
PO Box 10848
Midland, Texas 79702
- Copy 3: Darr Angell
P.O. Box 190
Lovington, New Mexico 88260
- Copy 3: Basin Environmental Service Technologies, LLC
P.O. Box 301
Lovington, New Mexico 88260

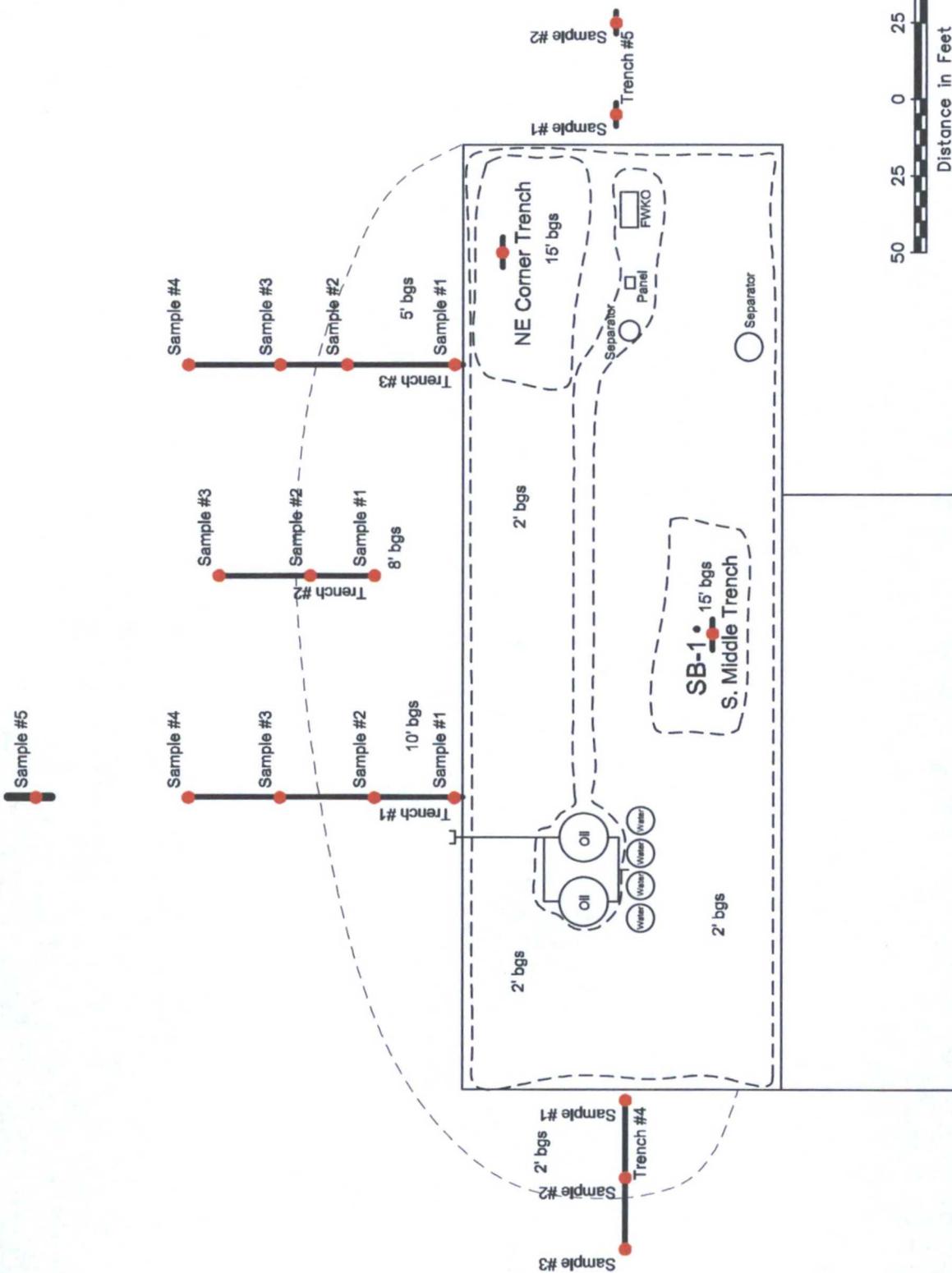


Basin Environmental Consulting

Prep By: CDS
 April 14, 2010
 Scale 1"=3000'
 Checked By: CJB

Figure 1
 Site Location Map
 LR Chamberlain Tank Battery
 Legacy Reserves, LP
 Lea County, New Mexico





- Legend:**
- Fence Line
 - - - Excavation Extent
 - Sample Location

Figure 2
 Site and Sample Location
 Chamberlain Tank Battery
 Legacy Reserves
 Lea County, New Mexico

Basin Environmental Services

TABLE 1

CONCENTRATIONS OF BTEX, TPH AND CHLORIDES IN SOIL

LEGACY RESERVES, LP
 LR CHAMBERLAIN TANK BATTERY
 LEA COUNTY, NEW MEXICO
 NMOCD # 1RP-2390

| SAMPLE LOCATION | SAMPLE DEPTH (Below Grade Surface) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 5030 | | | | | | | | | | SW 846-8015M | | | 300.1 |
|--------------------|------------------------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|--------------------|------------------|--------------------|---|--|--|---|------------------|--|--|-------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | M,P-XYLENE (mg/Kg) | O-XYLENE (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | TOTAL TPH C ₆ -C ₃₅ (mg/Kg) | CHLORIDE (mg/Kg) | | | |
| NE Corner @ 5' | 5 Feet | 03/30/10 | In-Situ | <0.0012 | <0.0024 | 0.0077 | 0.0257 | 0.0222 | 0.0556 | 137 | 475 | 111 | 723 | 1,420 | | | |
| NE Corner @ 10' | 10 Feet | 03/30/10 | In-Situ | <0.1147 | <0.2294 | 0.7867 | 2.546 | 0.1846 | 3.517 | 621 | 1,020 | 90.6 | 1,731.6 | 867 | | | |
| NE Corner @ 15' | 15 Feet | 03/30/10 | In-Situ | <0.5637 | <1.127 | 8.455 | 11.23 | 5.829 | 25.5 | 1,870 | 3,340 | 225 | 5,435 | 624 | | | |
| NE Corner @ 17' | 17 Feet | 03/30/10 | In-Situ | <0.0011 | <0.0023 | 0.0035 | 0.0142 | 0.0079 | 0.0256 | 102 | 308 | 21.0 | 431 | 755 | | | |
| S. Middle @ 5' | 5 Feet | 03/30/10 | In-Situ | <0.0118 | 0.0281 | 0.4166 | 1.366 | 0.9622 | 2.773 | 611 | 2,600 | 180 | 3,391 | 2,790 | | | |
| S. Middle @ 10' | 10 Feet | 03/30/10 | In-Situ | <5.562 | <11.12 | 32.48 | 54.84 | 10.18 | 97.5 | 3,240 | 4,290 | 334 | 7,864 | 1,680 | | | |
| S. Middle @ 12' | 12 Feet | 03/30/10 | In-Situ | <5.682 | <11.36 | 43.07 | 104.1 | 26.31 | 173.5 | 3,770 | 5,330 | 377 | 9,477 | 3,110 | | | |
| S. Middle @ 15' | 15 Feet | 03/30/10 | In-Situ | <5.605 | <11.21 | 26.68 | 64.24 | 16.87 | 107.79 | 2,680 | 3,770 | 279 | 6,729 | 1,700 | | | |
| T-1 Sample 1 @ 2' | 2 Feet | 04/28/10 | In-Situ | <0.0012 | <0.0023 | <0.0012 | <0.0023 | <0.0012 | <0.0023 | <17.3 | <17.3 | <17.3 | <17.3 | 1,180 | | | |
| T-1 Sample 1 @ 7' | 7 Feet | 04/28/10 | In-Situ | <0.0012 | <0.0024 | <0.0012 | <0.0024 | <0.0012 | <0.0024 | <17.7 | <17.7 | <17.7 | <17.7 | 976 | | | |
| T-1 Sample 1 @ 15' | 15 Feet | 04/28/10 | In-Situ | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <17.0 | <17.0 | <17.0 | <17.0 | 317 | | | |
| T-1 Sample 1 @ 17' | 17 Feet | 04/28/10 | In-Situ | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <16.7 | <16.7 | <16.7 | <16.7 | 144 | | | |
| T-1 Sample 2 @ 2' | 2 Feet | 04/28/10 | In-Situ | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <17.1 | <17.1 | <17.1 | <17.1 | 590 | | | |
| T-1 Sample 2 @ 5' | 5 Feet | 04/28/10 | In-Situ | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <17.1 | <17.1 | <17.1 | <17.1 | 387 | | | |
| T-1 Sample 3 @ 2' | 2 Feet | 04/28/10 | In-Situ | <0.0012 | <0.0023 | <0.0012 | <0.0023 | <0.0012 | <0.0023 | <17.4 | <17.4 | <17.4 | <17.4 | 218 | | | |
| T-1 Sample 3 @ 5' | 5 Feet | 04/28/10 | In-Situ | <0.0012 | <0.0025 | <0.0012 | <0.0025 | <0.0012 | <0.0025 | <18.3 | <18.3 | <18.3 | <18.3 | 428 | | | |
| T-1 Sample 4 @ 2' | 2 Feet | 04/28/10 | In-Situ | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <16.0 | <16.0 | <16.0 | <16.0 | 23.2 | | | |
| T-1 Sample 4 @ 5' | 5 Feet | 04/28/10 | In-Situ | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <16.8 | <16.8 | <16.8 | <16.8 | 1,460 | | | |
| T-1 Sample 5 @ 2' | 2 Feet | 04/30/10 | In-Situ | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <17.0 | 88.1 | 25.4 | 113.5 | 14.1 | | | |
| T-1 Sample 5 @ 3' | 3 Feet | 04/30/10 | In-Situ | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <16.8 | 129 | 51.6 | 180.6 | 8.95 | | | |
| T-2 Sample 1 @ 2' | 2 Feet | 04/28/10 | In-Situ | <0.0012 | <0.0023 | <0.0012 | <0.0023 | <0.0012 | <0.0023 | <17.3 | <17.3 | <17.3 | <17.3 | 837 | | | |
| T-2 Sample 1 @ 7' | 7 Feet | 04/28/10 | In-Situ | <0.0012 | <0.0024 | <0.0012 | <0.0024 | <0.0012 | <0.0024 | <18.2 | <18.2 | <18.2 | <18.2 | 818 | | | |
| T-2 Sample 1 @ 12' | 12 Feet | 04/28/10 | In-Situ | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <16.1 | <16.1 | <16.1 | <16.1 | 250 | | | |
| T-2 Sample 1 @ 13' | 13 Feet | 04/28/10 | In-Situ | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <16.1 | <16.1 | <16.1 | <16.1 | 228 | | | |
| T-2 Sample 2 @ 2' | 2 Feet | 04/28/10 | In-Situ | <0.0012 | <0.0025 | <0.0012 | <0.0025 | <0.0012 | <0.0025 | <18.3 | <18.3 | <18.3 | <18.3 | 820 | | | |
| T-2 Sample 2 @ 5' | 5 Feet | 04/28/10 | In-Situ | <0.0013 | <0.0025 | <0.0013 | <0.0025 | <0.0013 | <0.0025 | <18.9 | <18.9 | <18.9 | <18.9 | 553 | | | |
| T-2 Sample 3 @ 2' | 2 Feet | 04/29/10 | In-Situ | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <16.4 | <16.4 | <16.4 | <16.4 | 184 | | | |
| T-2 Sample 3 @ 5' | 5 Feet | 04/29/10 | In-Situ | <0.0012 | <0.0024 | <0.0012 | <0.0024 | <0.0012 | <0.0024 | <18.2 | <18.2 | <18.2 | <18.2 | 66.3 | | | |
| T-3 Sample 1 @ 2' | 2 Feet | 04/29/10 | In-Situ | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <16.9 | <16.9 | <16.9 | <16.9 | 497 | | | |

TABLE 1

CONCENTRATIONS OF BTEX, TPH AND CHLORIDES IN SOIL

LEGACY RESERVES, LP
 LR CHAMBERLAIN TANK BATTERY
 LEA COUNTY, NEW MEXICO
 NMOCD # 1RP-2390

| SAMPLE LOCATION | SAMPLE DEPTH (Below Grade Surface) | SAMPLE DATE | SOIL STATUS | METHOD: EPA SW 846-8021B, 8030 | | | | | | | SW 846-8015M | | | | 300.1 CHLORIDE (mg/Kg) | |
|---------------------------|------------------------------------|-------------|-------------|--------------------------------|-----------------|-----------------------|---------------------|------------------|--------------------|---|--|--|---|-------|------------------------|-------|
| | | | | BENZENE (mg/Kg) | TOLUENE (mg/Kg) | ETHYL-BENZENE (mg/Kg) | M.P. XYLENE (mg/Kg) | O-XYLENE (mg/Kg) | TOTAL BTEX (mg/Kg) | GRO C ₆ -C ₁₂ (mg/Kg) | DRO C ₁₂ -C ₂₈ (mg/Kg) | ORO C ₂₈ -C ₃₅ (mg/Kg) | TOTAL TPH C ₆ -C ₃₅ (mg/Kg) | | | |
| T-3 Sample 1 @ 5' | 5 Feet | 04/29/10 | In-Situ | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <0.0011 | <0.0011 | <0.0023 | <17.0 | <17.0 | <17.0 | <17.0 | <17.0 | 135 |
| T-3 Sample 1 @ 7' | 7 Feet | 04/29/10 | In-Situ | <0.0012 | <0.0023 | <0.0012 | <0.0023 | <0.0012 | <0.0012 | <0.0023 | <17.4 | <17.4 | <17.4 | <17.4 | <17.4 | 117 |
| T-3 Sample 2 @ 5' | 5 Feet | 04/29/10 | In-Situ | <0.0012 | <0.0024 | <0.0012 | <0.0024 | <0.0012 | <0.0012 | <0.0024 | <17.8 | <17.8 | <17.8 | <17.8 | <17.8 | 784 |
| T-3 Sample 3 @ 5' | 5 Feet | 04/29/10 | In-Situ | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <0.0011 | <0.0011 | <0.0023 | <16.9 | <16.9 | <16.9 | <16.9 | <16.9 | 981 |
| T-3 Sample 4 @ 2' | 2 Feet | 04/29/10 | In-Situ | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0011 | <0.0011 | <0.0022 | <16.4 | <16.4 | <16.4 | <16.4 | <16.4 | 71.6 |
| T-3 Sample 4 @ 5' | 5 Feet | 04/29/10 | In-Situ | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <0.0011 | <0.0011 | <0.0021 | <16.0 | <16.0 | <16.0 | <16.0 | <16.0 | 84.3 |
| T-4 Sample 1 @ 1.5' | 1.5 Feet | 04/29/10 | In-Situ | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <0.0011 | <0.0011 | <0.0021 | <15.8 | <15.8 | <15.8 | <15.8 | <15.8 | 669 |
| T-4 Sample 2 @ 1.5' | 1.5 Feet | 04/29/10 | In-Situ | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0011 | <0.0011 | <0.0022 | <16.4 | <16.4 | <16.4 | <16.4 | <16.4 | 885 |
| T-4 Sample 3 @ 2' | 2 Feet | 04/29/10 | In-Situ | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <0.0011 | <0.0011 | <0.0023 | <17.1 | <17.1 | <17.1 | <17.1 | <17.1 | 67.6 |
| T-4 Sample 3 @ 3' | 3 Feet | 04/29/10 | In-Situ | <0.0012 | <0.0024 | <0.0012 | <0.0024 | <0.0012 | <0.0012 | <0.0024 | <18.0 | <18.0 | <18.0 | <18.0 | <18.0 | 123 |
| T-5 Sample 1 @ 2' | 2 Feet | 04/29/10 | In-Situ | <0.0012 | <0.0024 | <0.0012 | <0.0024 | <0.0012 | <0.0012 | <0.0024 | <18.1 | <18.1 | <18.1 | <18.1 | <18.1 | 2,870 |
| T-5 Sample 1 @ 3.5' | 3.5 Feet | 04/29/10 | In-Situ | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0011 | <0.0011 | <0.0022 | <16.6 | <16.6 | <16.6 | <16.6 | <16.6 | 1,550 |
| T-5 Sample 2 @ 2' | 2 Feet | 04/29/10 | In-Situ | <0.0012 | <0.0024 | <0.0012 | <0.0024 | <0.0012 | <0.0012 | <0.0024 | <17.5 | <17.5 | <17.5 | <17.5 | <17.5 | 66.4 |
| SB-1 @ 5' | 5 Feet | 06/29/10 | In-Situ | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <0.0011 | <0.0011 | <0.0023 | <17.2 | 51.9 | <17.2 | 51.9 | <17.2 | 2,170 |
| SB-1 @ 10' | 10 Feet | 06/29/10 | In-Situ | <0.0011 | <0.0023 | <0.0011 | <0.0023 | <0.0011 | <0.0011 | <0.0023 | <16.8 | <16.8 | <16.8 | <16.8 | <16.8 | 1,250 |
| SB-1 @ 15' | 15 Feet | 06/29/10 | In-Situ | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0011 | <0.0011 | <0.0022 | <16.7 | <16.7 | <16.7 | <16.7 | <16.7 | 778 |
| SB-1 @ 20' | 20 Feet | 06/29/10 | In-Situ | <0.0010 | <0.0021 | <0.0010 | <0.0021 | <0.0010 | <0.0010 | <0.0021 | <15.8 | <15.8 | <15.8 | <15.8 | <15.8 | 169 |
| SB-1 @ 25' | 25 Feet | 06/29/10 | In-Situ | <0.0011 | <0.0022 | <0.0011 | <0.0022 | <0.0011 | <0.0011 | <0.0022 | <16.1 | <16.1 | <16.1 | <16.1 | <16.1 | 72.7 |
| SB-1 @ 30' | 30 Feet | 06/29/10 | In-Situ | <0.0011 | <0.0021 | <0.0011 | <0.0021 | <0.0011 | <0.0011 | <0.0021 | <15.8 | 26.3 | <15.8 | 26.3 | <15.8 | 103 |
| NMOCD Regulatory Standard | | | | 10 | | | | | | 50 | | | | | 100 | 250 |

TABLE 2

FIELD TEST RESULTS FOR CHLORIDE CONCENTRATIONS

LEGACY RESERVES, LP
LR CHAMBERLAIN TANK BATTERY
LEA COUNTY, NEW MEXICO
NMOCD # 1RP-2390

| SAMPLE LOCATION | SAMPLE DEPTH (Below Grade Surface) | SAMPLE DATE | SOIL STATUS | Hach Quantab |
|---------------------------|------------------------------------|-------------|-------------|----------------|
| | | | | CHLORIDE (PPM) |
| Trench #1 | 10 Feet | 11/03/10 | In-Situ | 364 |
| Trench #2 | 8 Feet | 11/01/10 | In-Situ | 224 |
| Trench #3 | 5 Feet | 10/29/10 | In-Situ | 150 |
| Trench #4 | 2 Feet | 11/11/10 | In-Situ | 208 |
| NMOCD Regulatory Standard | | | | 500 |

Soil Boring SB-1

Boring SB-1

Depth
below
ground
surface

Soil
Columns

Chloride
Field Test

PID
Reading

Petroleum
Odor

Petroleum
Stain

Soil Description

Date Drilled June 29, 2010
 Thickness of Bentonite Seal 30 Ft
 Depth of Exploratory Boring 30 Ft bgs
 Depth to Groundwater _____
 Ground Water Elevation _____



| Chloride Field Test | PID Reading |
|---------------------|-------------|
| 2,040 | 6.3 |
| 1,788 | 4.8 |
| 1,256 | 15.8 |
| 280 | 2.2 |
| 128 | 3.3 |
| 128 | 6.1 |

Slight Slight
 None None
 None None
 None None
 None None
 None None

0-10' - Caliche, tan, minor clay, dry
 10-30' - Sand, tan, fine grained, minor sandstone nodules, dry

Indicates the PSH level measured on _____
 Indicates the groundwater level measured on _____
 Indicates samples selected for Laboratory Analysis.
 PID Head-space reading in ppm obtained with a photo-ionization detector.

Completion Notes

- 1.) The monitor well was advanced on date using air rotary drilling techniques.
- 2.) The lines between material types shown on the profile log represent approximate boundaries. Actual transitions may be gradual.

Analytical Report 367582

for

Basin Environmental Consulting, LLC

Project Manager: Camille Bryant

LR Chamberlain Tank Battery

Legacy Reserves West

07-APR-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL00449):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295)



07-APR-10

Project Manager: **Camille Bryant**
Basin Environmental Consulting, LLC
P.O. Box 381
Lovington, NM 88260

Reference: XENCO Report No: **367582**
LR Chamberlain Tank Battery
Project Address: Lea County, NM

Camille Bryant:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 367582. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 367582 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America



Sample Cross Reference 367582



Basin Environmental Consulting, LLC, Lovington, NM

LR Chamberlain Tank Battery

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|-----------------|--------|-----------------|--------------|---------------|
| NE Corner @ 5' | S | Mar-30-10 12:30 | | 367582-001 |
| NE Corner @ 10' | S | Mar-30-10 12:45 | | 367582-002 |
| NE Corner @ 15' | S | Mar-30-10 13:10 | | 367582-003 |
| NE Corner @ 17' | S | Mar-30-10 13:30 | | 367582-004 |
| S. Middle @ 5' | S | Mar-30-10 14:10 | | 367582-005 |
| S. Middle @ 10' | S | Mar-30-10 14:30 | | 367582-006 |
| S. Middle @ 12' | S | Mar-30-10 14:45 | | 367582-007 |
| S. Middle @ 15' | S | Mar-30-10 15:00 | | 367582-008 |



CASE NARRATIVE

Client Name: Basin Environmental Consulting, LLC
Project Name: LR Chamberlain Tank Battery



Project ID: Legacy Reserves West
Work Order Number: 367582

Report Date: 07-APR-10
Date Received: 04/01/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-800761 TPH By SW8015 Mod
SW8015MOD_NM

Batch 800761, o-Terphenyl recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 367582-001.

1-Chlorooctane recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 367582-001,367582-002.

Batch: LBA-800773 Percent Moisture

None

Batch: LBA-800848 BTEX by EPA 8021B
SW8021BM

Batch 800848, Ethylbenzene, m,p-Xylenes , o-Xylene RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 367582-003, -002.

SW8021BM

Batch 800848, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 367078-001 D,367582-002,367582-003.

4-Bromofluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 367078-001 D,367582-003,367582-002.



CASE NARRATIVE

Client Name: Basin Environmental Consulting, LLC
Project Name: LR Chamberlain Tank Battery



Project ID: Legacy Reserves West
Work Order Number: 367582

Report Date: 07-APR-10
Date Received: 04/01/2010

Batch: LBA-801040 BTEX by EPA 8021B
SW8021BM

Batch 801040, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 367582-005,367582-007,367582-006.

4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 367582-005.

Batch: LBA-801122 Inorganic Anions by EPA 300
None

Batch: LBA-801206 BTEX by EPA 8021B
SW8021BM

Batch 801206, 1,4-Difluorobenzene recovered below QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 367582-004,367582-001.

4-Bromofluorobenzene recovered above QC limits . Matrix interferences is suspected; data confirmed by re-analysis

Samples affected are: 367432-001 D,367582-004,367582-001.

SW8021BM

Batch 801206, Ethylbenzene, m,p-Xylenes , o-Xylene RPD is outside the QC limit. This is most likely due to sample non-homogeneity.

Samples affected are: 367582-004, -001.

Certificate of Analysis Summary 367582

Basin Environmental Consulting, LLC, Lovington, NM

Project Name: LR Chamberlain Tank Battery



Project Id: Legacy Reserves West
 Contact: Camille Bryant
 Project Location: Lea County, NM

Date Received in Lab: Thu Apr-01-10 08:52 am
 Report Date: 07-APR-10

Project Manager: Brent Barron, II

| Lab Id: | 367582-001 | 367582-002 | 367582-003 | 367582-004 | 367582-005 | 367582-006 |
|------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Field Id: | NE Corner @ 5' | NE Corner @ 10' | NE Corner @ 15' | NE Corner @ 17' | S. Middle @ 5' | S. Middle @ 10' |
| Depth: | | | | | | |
| Matrix: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| Sampled: | Mar-30-10 12:30 | Mar-30-10 12:45 | Mar-30-10 13:10 | Mar-30-10 13:30 | Mar-30-10 14:10 | Mar-30-10 14:30 |
| Extracted: | | | | | | |
| Analyzed: | Apr-05-10 20:14 |
| Units/RL: | mg/kg RL 1420 25.1 | mg/kg RL 867 9.63 | mg/kg RL 624 9.47 | mg/kg RL 755 9.60 | mg/kg RL 2790 49.6 | mg/kg RL 1680 23.4 |
| BTEX by EPA 8021B | | | | | | |
| Extracted: | Apr-06-10 07:30 | Apr-01-10 09:00 | Apr-01-10 09:00 | Apr-06-10 07:30 | Apr-03-10 11:00 | Apr-03-10 11:00 |
| Analyzed: | Apr-06-10 13:21 | Apr-01-10 18:02 | Apr-01-10 18:43 | Apr-06-10 11:51 | Apr-03-10 19:06 | Apr-03-10 19:28 |
| Units/RL: | mg/kg RL ND 0.0012 | mg/kg RL ND 0.1147 | mg/kg RL ND 0.5637 | mg/kg RL ND 0.0011 | mg/kg RL ND 0.0118 | mg/kg RL ND 5.562 |
| Benzene | ND 0.0024 | ND 0.2294 | ND 1.127 | ND 0.0023 | 0.0281 0.0236 | ND 11.12 |
| Toluene | 0.0077 0.0012 | 0.7867 0.1147 | 8.455 0.5637 | 0.0035 0.0011 | 0.4166 0.0118 | 32.48 5.562 |
| Ethylbenzene | 0.0257 0.0024 | 2.546 0.2294 | 11.23 1.127 | 0.0142 0.0023 | 1.366 0.0236 | 54.84 11.12 |
| m,p-Xylenes | 0.0222 0.0012 | 0.1846 0.1147 | 5.829 0.5637 | 0.0079 0.0011 | 0.9622 0.0118 | 10.18 5.562 |
| o-Xylene | 0.0479 0.0012 | 2.731 0.1147 | 17.06 0.5637 | 0.0221 0.0011 | 2.328 0.0118 | 65.02 5.562 |
| Total Xylenes | 0.0556 0.0012 | 3.517 0.1147 | 25.51 0.5637 | 0.0256 0.0011 | 2.773 0.0118 | 97.50 5.562 |
| Total BTEX | | | | | | |
| Percent Moisture | | | | | | |
| Extracted: | | | | | | |
| Analyzed: | Apr-01-10 17:00 |
| Units/RL: | % RL 16.5 1.00 | % RL 12.8 1.00 | % RL 11.3 1.00 | % RL 12.5 1.00 | % RL 15.3 1.00 | % RL 10.1 1.00 |
| TPH By SW8015 Mod | | | | | | |
| Extracted: | Apr-01-10 14:00 |
| Analyzed: | Apr-01-10 19:07 | Apr-01-10 19:34 | Apr-01-10 20:01 | Apr-01-10 20:28 | Apr-01-10 20:55 | Apr-01-10 21:23 |
| Units/RL: | mg/kg RL 137 90.1 | mg/kg RL 621 86.2 | mg/kg RL 1870 84.6 | mg/kg RL 102 17.1 | mg/kg RL 611 17.8 | mg/kg RL 3240 167 |
| C6-C12 Gasoline Range Hydrocarbons | 475 90.1 | 1020 86.2 | 3340 84.6 | 308 17.1 | 2600 17.8 | 4290 167 |
| C12-C28 Diesel Range Hydrocarbons | 111 90.1 | 90.6 86.2 | 225 84.6 | 21.0 17.1 | 180 17.8 | 334 167 |
| C28-C35 Oil Range Hydrocarbons | 723 90.1 | 1732 86.2 | 5435 84.6 | 431 17.1 | 3391 17.8 | 7864 167 |
| Total TPH | | | | | | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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Brent Barron, II
 Odessa Laboratory Manager



Certificate of Analysis Summary 367582

Basin Environmental Consulting, LLC, Lovington, NM

Project Name: LR Chamberlain Tank Battery



Project Id: Legacy Reserves West
Contact: Camille Bryant
Project Location: Lea County, NM

Date Received in Lab: Thu Apr-01-10 08:52 am
Report Date: 07-APR-10
Project Manager: Brent Barron, II

| Analysis Requested | Lab Id: Field Id: Depth: Matrix: Sampled: | 367582-007 S. Middle @ 12' SOIL Mar-30-10 14:45 | 367582-008 S. Middle @ 15' SOIL Mar-30-10 15:00 |
|------------------------------------|---|--|--|
| Anions by E300 | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | Apr-05-10 20:14 mg/kg RL 3110 47.7 | Apr-05-10 20:14 mg/kg RL 1700 23.5 |
| BTEX by EPA 8021B | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | Apr-03-10 11:00 Apr-03-10 20:36 mg/kg RL ND 5.682 ND 11.36 | Apr-03-10 11:00 Apr-03-10 20:58 mg/kg RL ND 5.605 ND 11.21 |
| Benzene | | 43.07 5.682 | 26.68 5.605 |
| Toluene | | 104.1 11.36 | 64.24 11.21 |
| m,p-Xylenes | | 26.31 5.682 | 16.87 5.605 |
| o-Xylene | | 130.4 5.682 | 81.11 5.605 |
| Total Xylenes | | 173.5 5.682 | 107.79 5.605 |
| Total BTEX | | | |
| Percent Moisture | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | Apr-01-10 17:00 % RL 12.0 1.00 | Apr-01-10 17:00 % RL 10.8 1.00 |
| Percent Moisture | | | |
| TPH By SW8015 Mod | <i>Extracted:</i> <i>Analyzed:</i> <i>Units/RL:</i> | Apr-01-10 14:00 Apr-01-10 21:50 mg/kg RL 3770 171 5330 171 | Apr-01-10 14:00 Apr-01-10 22:46 mg/kg RL 2680 168 3770 168 |
| C6-C12 Gasoline Range Hydrocarbons | | 377 171 | 279 168 |
| C12-C28 Diesel Range Hydrocarbons | | 9477 171 | 6729 168 |
| C28-C35 Oil Range Hydrocarbons | | | |
| Total TPH | | | |

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 Brent Barron, II
 Odessa Laboratory Manager

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
 - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
 - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
 - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
 - F** RPD exceeded lab control limits.
 - J** The target analyte was positively identified below the MQL and above the SQL.
 - U** Analyte was not detected.
 - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
 - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
 - K** Sample analyzed outside of recommended hold time.
 - JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- * Outside XENCO's scope of NELAC Accreditation.

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Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 367582,

Project ID: Legacy Reserves West

Lab Batch #: 800848

Sample: 559729-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/01/10 10:27

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0309 | 0.0300 | 103 | 80-120 | |
| 4-Bromofluorobenzene | 0.0272 | 0.0300 | 91 | 80-120 | |

Lab Batch #: 800848

Sample: 559729-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/01/10 10:48

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0324 | 0.0300 | 108 | 80-120 | |
| 4-Bromofluorobenzene | 0.0270 | 0.0300 | 90 | 80-120 | |

Lab Batch #: 800848

Sample: 559729-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/01/10 11:51

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0281 | 0.0300 | 94 | 80-120 | |
| 4-Bromofluorobenzene | 0.0281 | 0.0300 | 94 | 80-120 | |

Lab Batch #: 800848

Sample: 367582-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/01/10 18:02

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0173 | 0.0300 | 58 | 80-120 | ** |
| 4-Bromofluorobenzene | 0.0204 | 0.0300 | 68 | 80-120 | ** |

Lab Batch #: 800848

Sample: 367582-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/01/10 18:43

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0219 | 0.0300 | 73 | 80-120 | ** |
| 4-Bromofluorobenzene | 0.0232 | 0.0300 | 77 | 80-120 | ** |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 367582,

Project ID: Legacy Reserves West

Lab Batch #: 800848

Sample: 367078-001 D / MD

Batch: 1 Matrix: Sludge

Units: mg/kg

Date Analyzed: 04/01/10 21:09

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0235 | 0.0300 | 78 | 80-120 | ** |
| 4-Bromofluorobenzene | 0.0170 | 0.0300 | 57 | 80-120 | ** |

Lab Batch #: 801040

Sample: 559843-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/03/10 11:58

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0291 | 0.0300 | 97 | 80-120 | |
| 4-Bromofluorobenzene | 0.0313 | 0.0300 | 104 | 80-120 | |

Lab Batch #: 801040

Sample: 559843-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/03/10 12:21

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0293 | 0.0300 | 98 | 80-120 | |
| 4-Bromofluorobenzene | 0.0305 | 0.0300 | 102 | 80-120 | |

Lab Batch #: 801040

Sample: 559843-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/03/10 13:29

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0244 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0315 | 0.0300 | 105 | 80-120 | |

Lab Batch #: 801040

Sample: 367582-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/03/10 19:06

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0221 | 0.0300 | 74 | 80-120 | * |
| 4-Bromofluorobenzene | 0.1796 | 0.0300 | 599 | 80-120 | * |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 367582,

Project ID: Legacy Reserves West

Lab Batch #: 801040

Sample: 367582-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/03/10 19:28

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0227 | 0.0300 | 76 | 80-120 | * |
| 4-Bromofluorobenzene | 0.0353 | 0.0300 | 118 | 80-120 | |

Lab Batch #: 801040

Sample: 367582-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/03/10 20:36

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0221 | 0.0300 | 74 | 80-120 | * |
| 4-Bromofluorobenzene | 0.0357 | 0.0300 | 119 | 80-120 | |

Lab Batch #: 801040

Sample: 367582-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/03/10 20:58

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0227 | 0.0300 | 76 | 80-120 | * |
| 4-Bromofluorobenzene | 0.0348 | 0.0300 | 116 | 80-120 | |

Lab Batch #: 801206

Sample: 559940-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/06/10 08:07

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0313 | 0.0300 | 104 | 80-120 | |
| 4-Bromofluorobenzene | 0.0326 | 0.0300 | 109 | 80-120 | |

Lab Batch #: 801206

Sample: 559940-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/06/10 08:29

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0300 | 0.0300 | 100 | 80-120 | |
| 4-Bromofluorobenzene | 0.0327 | 0.0300 | 109 | 80-120 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 367582,

Project ID: Legacy Reserves West

Lab Batch #: 801206

Sample: 559940-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/06/10 10:21

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0239 | 0.0300 | 80 | 80-120 | |
| 4-Bromofluorobenzene | 0.0320 | 0.0300 | 107 | 80-120 | |

Lab Batch #: 801206

Sample: 367582-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/06/10 11:51

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0237 | 0.0300 | 79 | 80-120 | ** |
| 4-Bromofluorobenzene | 0.0862 | 0.0300 | 287 | 80-120 | ** |

Lab Batch #: 801206

Sample: 367582-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/06/10 13:21

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0233 | 0.0300 | 78 | 80-120 | ** |
| 4-Bromofluorobenzene | 0.0668 | 0.0300 | 223 | 80-120 | ** |

Lab Batch #: 801206

Sample: 367432-001 D / MD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/06/10 14:52

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0242 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0499 | 0.0300 | 166 | 80-120 | ** |

Lab Batch #: 800761

Sample: 559673-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/01/10 16:27

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 116 | 101 | 115 | 70-135 | |
| o-Terphenyl | 54.8 | 50.3 | 109 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 367582,

Project ID: Legacy Reserves West

Lab Batch #: 800761

Sample: 559673-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/01/10 16:54

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 124 | 100 | 124 | 70-135 | |
| o-Terphenyl | 58.4 | 50.2 | 116 | 70-135 | |

Lab Batch #: 800761

Sample: 559673-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 04/01/10 17:20

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 129 | 99.8 | 129 | 70-135 | |
| o-Terphenyl | 64.2 | 49.9 | 129 | 70-135 | |

Lab Batch #: 800761

Sample: 367582-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/01/10 19:07

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 140 | 100 | 140 | 70-135 | * |
| o-Terphenyl | 73.0 | 50.2 | 145 | 70-135 | * |

Lab Batch #: 800761

Sample: 367582-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/01/10 19:34

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 137 | 100 | 137 | 70-135 | * |
| o-Terphenyl | 65.5 | 50.1 | 131 | 70-135 | |

Lab Batch #: 800761

Sample: 367582-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 04/01/10 20:01

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 126 | 100 | 126 | 70-135 | |
| o-Terphenyl | 64.7 | 50.0 | 129 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 367582,

Project ID: Legacy Reserves West

Lab Batch #: 800761

Sample: 367582-004 / SMP

Batch: 1 Matrix: Soil

| Units: mg/kg | | Date Analyzed: 04/01/10 20:28 | SURROGATE RECOVERY STUDY | | | |
|-------------------|--|-------------------------------|--------------------------|-----------------|-------------------|-------|
| TPH By SW8015 Mod | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | | |
| 1-Chlorooctane | | 121 | 99.5 | 122 | 70-135 | |
| o-Terphenyl | | 60.0 | 49.8 | 120 | 70-135 | |

Lab Batch #: 800761

Sample: 367582-005 / SMP

Batch: 1 Matrix: Soil

| Units: mg/kg | | Date Analyzed: 04/01/10 20:55 | SURROGATE RECOVERY STUDY | | | |
|-------------------|--|-------------------------------|--------------------------|-----------------|-------------------|-------|
| TPH By SW8015 Mod | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | | |
| 1-Chlorooctane | | 130 | 100 | 130 | 70-135 | |
| o-Terphenyl | | 63.7 | 50.2 | 127 | 70-135 | |

Lab Batch #: 800761

Sample: 367582-006 / SMP

Batch: 1 Matrix: Soil

| Units: mg/kg | | Date Analyzed: 04/01/10 21:23 | SURROGATE RECOVERY STUDY | | | |
|-------------------|--|-------------------------------|--------------------------|-----------------|-------------------|-------|
| TPH By SW8015 Mod | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | | |
| 1-Chlorooctane | | 127 | 100 | 127 | 70-135 | |
| o-Terphenyl | | 65.4 | 50.1 | 131 | 70-135 | |

Lab Batch #: 800761

Sample: 367582-007 / SMP

Batch: 1 Matrix: Soil

| Units: mg/kg | | Date Analyzed: 04/01/10 21:50 | SURROGATE RECOVERY STUDY | | | |
|-------------------|--|-------------------------------|--------------------------|-----------------|-------------------|-------|
| TPH By SW8015 Mod | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | | |
| 1-Chlorooctane | | 119 | 101 | 118 | 70-135 | |
| o-Terphenyl | | 64.0 | 50.3 | 127 | 70-135 | |

Lab Batch #: 800761

Sample: 367582-008 / SMP

Batch: 1 Matrix: Soil

| Units: mg/kg | | Date Analyzed: 04/01/10 22:46 | SURROGATE RECOVERY STUDY | | | |
|-------------------|--|-------------------------------|--------------------------|-----------------|-------------------|-------|
| TPH By SW8015 Mod | | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| Analytes | | | | | | |
| 1-Chlorooctane | | 126 | 99.7 | 126 | 70-135 | |
| o-Terphenyl | | 64.3 | 49.9 | 129 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Blank Spike Recovery



Project Name: LR Chamberlain Tank Battery

Work Order #: 367582

Project ID: Legacy Reserves West

Lab Batch #: 801122

Sample: 801122-1-BKS

Matrix: Solid

Date Analyzed: 04/05/2010

Date Prepared: 04/05/2010

Analyst: LATCOR

Reporting Units: mg/kg

Batch #: 1

BLANK /BLANK SPIKE RECOVERY STUDY

| Anions by E300 Analytes | Blank Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Control Limits %R | Flags |
|----------------------------|------------------|-----------------|------------------------|--------------------|-------------------|-------|
| Chloride | ND | 11.0 | 11.1 | 101 | 75-125 | |

Blank Spike Recovery [D] = 100*[C]/[B]

All results are based on MDL and validated for QC purposes.

BRL - Below Reporting Limit

Project Name: LR Chamberlain Tank Battery

Work Order #: 367582

Analyst: ASA

Lab Batch ID: 800848

Sample: 559729-1-BKS

Date Prepared: 04/01/2010

Date Analyzed: 04/01/2010

Batch #: 1

Matrix: Solid

Project ID: Legacy Reserves West

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| Analytes | BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | |
|-------------------|---|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| BTEX by EPA 8021B | ND | 0.1000 | 0.0961 | 96 | 0.1 | 0.1020 | 102 | 6 | 70-130 | 35 | |
| Benzene | ND | 0.1000 | 0.0967 | 97 | 0.1 | 0.1028 | 103 | 6 | 70-130 | 35 | |
| Toluene | ND | 0.1000 | 0.0985 | 99 | 0.1 | 0.1046 | 105 | 6 | 71-129 | 35 | |
| Ethylbenzene | ND | 0.2000 | 0.1999 | 100 | 0.2 | 0.2130 | 107 | 6 | 70-135 | 35 | |
| m,p-Xylenes | ND | 0.1000 | 0.0985 | 99 | 0.1 | 0.1054 | 105 | 7 | 71-133 | 35 | |
| o-Xylene | | | | | | | | | | | |

Analyst: JLG

Lab Batch ID: 801040

Sample: 559843-1-BKS

Date Prepared: 04/03/2010

Date Analyzed: 04/03/2010

Batch #: 1

Matrix: Solid

Units: mg/kg

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| Analytes | BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | |
|-------------------|---|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| BTEX by EPA 8021B | ND | 0.1000 | 0.0979 | 98 | 0.1 | 0.1045 | 105 | 7 | 70-130 | 35 | |
| Benzene | ND | 0.1000 | 0.0952 | 95 | 0.1 | 0.1017 | 102 | 7 | 70-130 | 35 | |
| Toluene | ND | 0.1000 | 0.0970 | 97 | 0.1 | 0.1033 | 103 | 6 | 71-129 | 35 | |
| Ethylbenzene | ND | 0.2000 | 0.1922 | 96 | 0.2 | 0.2044 | 102 | 6 | 70-135 | 35 | |
| m,p-Xylenes | ND | 0.1000 | 0.0960 | 96 | 0.1 | 0.1024 | 102 | 6 | 71-133 | 35 | |
| o-Xylene | | | | | | | | | | | |

Relative Percent Difference RPD = $200 * [(C-F) / (C+F)]$
 Blank Spike Recovery [D] = $100 * (C) / [B]$
 Blank Spike Duplicate Recovery [G] = $100 * (F) / [E]$
 All results are based on MDL and Validated for QC Purposes

Project Name: LR Chamberlain Tank Battery

Work Order #: 367582

Analyst: ASA

Lab Batch ID: 801206

Sample: 559940-1-BKS

Units: mg/kg

Date Prepared: 04/06/2010

Batch #: 1

Project ID: Legacy Reserves West

Date Analyzed: 04/06/2010

Matrix: Solid

| BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | | |
|---|-------------------------|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| BTEX by EPA 8021B | ND | 0.1000 | 0.0936 | 94 | 0.1 | 0.1011 | 101 | 8 | 70-130 | 35 | |
| Benzene | ND | 0.1000 | 0.0915 | 92 | 0.1 | 0.0992 | 99 | 8 | 70-130 | 35 | |
| Toluene | ND | 0.1000 | 0.0933 | 93 | 0.1 | 0.1010 | 101 | 8 | 71-129 | 35 | |
| Ethylbenzene | ND | 0.2000 | 0.1853 | 93 | 0.2 | 0.2007 | 100 | 8 | 70-135 | 35 | |
| m,p-Xylenes | ND | 0.1000 | 0.0930 | 93 | 0.1 | 0.1013 | 101 | 9 | 71-133 | 35 | |
| o-Xylene | ND | | | | | | | | | | |

Date Prepared: 04/01/2010

Batch #: 1

Date Analyzed: 04/01/2010

Matrix: Solid

Analyst: BEV

Lab Batch ID: 800761

Sample: 559673-1-BKS

Units: mg/kg

| BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | | |
|---|-------------------------|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| TPH By SW8015 Mod | ND | 1010 | 1160 | 115 | 1000 | 1210 | 121 | 4 | 70-135 | 35 | |
| C6-C12 Gasoline Range Hydrocarbons | ND | 1010 | 985 | 98 | 1000 | 1010 | 101 | 3 | 70-135 | 35 | |
| C12-C28 Diesel Range Hydrocarbons | ND | | | | | | | | | | |

Relative Percent Difference RPD = 200*((C-F)/(C+F))
 Blank Spike Recovery [D] = 100*(C)/[B]
 Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
 All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: LR Chamberlain Tank Battery

Work Order #: 367582
Lab Batch #: 801122
Date Analyzed: 04/05/2010
QC- Sample ID: 367288-001 S
Reporting Units: mg/kg

Date Prepared: 04/05/2010
Batch #: 1

Project ID: Legacy Reserves West
Analyst: LATCOR

Matrix: Soil

MATRIX / MATRIX SPIKE RECOVERY STUDY

| Inorganic Anions by EPA 300 Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | %R [D] | Control Limits %R | Flag |
|---|--------------------------|-----------------|--------------------------|--------|-------------------|------|
| Chloride | 1540 | 1290 | 2870 | 103 | 75-125 | |

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Sample Duplicate Recovery

Project Name: LR Chamberlain Tank Battery

Work Order #: 367582

Lab Batch #: 801122

Project ID: Legacy Reserves West

Date Analyzed: 04/05/2010

Date Prepared: 04/05/2010

Analyst: LATCOR

QC- Sample ID: 367288-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Anions by E300 | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Chloride | 1540 | 1540 | 0 | 20 | |

Lab Batch #: 800848

Date Analyzed: 04/01/2010

Date Prepared: 04/01/2010

Analyst: ASA

QC- Sample ID: 367078-001 D

Batch #: 1

Matrix: Sludge

Reporting Units: mg/kg

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| BTEX by EPA 8021B | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Benzene | 0.0028 | 0.0022 | 24 | 35 | |
| Toluene | 0.0057 | 0.0054 | 5 | 35 | |
| Ethylbenzene | 0.0021 | 0.0066 | 103 | 35 | F |
| m,p-Xylenes | 0.0033 | 0.0050 | 41 | 35 | F |
| o-Xylene | 0.0011 | 0.0066 | 143 | 35 | F |
| a,a,a-Trifluorotoluene | 0.030 | 0.030 | 0 | 35 | |

Lab Batch #: 801206

Date Analyzed: 04/06/2010

Date Prepared: 04/06/2010

Analyst: ASA

QC- Sample ID: 367432-001 D

Batch #: 1

Matrix: Soil

Reporting Units: mg/kg

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| BTEX by EPA 8021B | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Benzene | ND | ND | NC | 35 | |
| Toluene | ND | ND | NC | 35 | |
| Ethylbenzene | 0.0025 | 0.0015 | 50 | 35 | F |
| m,p-Xylenes | 0.0099 | 0.0057 | 54 | 35 | F |
| o-Xylene | 0.0067 | 0.0034 | 65 | 35 | F |
| a,a,a-Trifluorotoluene | 0.032 | 0.032 | 0 | 35 | |

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
 All Results are based on MDL and validated for QC purposes.
 BRL - Below Reporting Limit



Sample Duplicate Recovery



Project Name: LR Chamberlain Tank Battery

Work Order #: 367582

Lab Batch #: 800773

Project ID: Legacy Reserves West

Date Analyzed: 04/01/2010

Date Prepared: 04/01/2010

Analyst: JLG

QC- Sample ID: 367572-001 D

Batch #: 1

Matrix: Soil

Reporting Units: %

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Percent Moisture | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Percent Moisture | 16.0 | 16.0 | 0 | 20 | |

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
 All Results are based on MDL and validated for QC purposes.
 BRL - Below Reporting Limit

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Carmille Bryant
Company Name: Basin Environmental Consulting, LLC
Company Address: P. O. Box 381
Project Name: LR Chamberlain Tank Battery
Project #: LEGACY RESERVOIRS WEST
Project Loc: Lea County, NM

City/State/Zip: Lovington, NM 89260
Telephone No: (575)805-7210
PO #: Please bill Basin Consulting
Report Format: Standard TRRP NPDES

Fax No: (505) 396-1429
e-mail: cibryant@basin-consulting.com

ORDER #: 307582
LAB # (lab use only): 307582
Sampler Signature: Carmille Bryant
Matrix: Soil

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Total # of Containers | Field Filtered | Preservation & # of Containers | Matrix | Analyze For: | RUSH TAT (Pre-Schedule) 24, 48, 72 hrs |
|----------------------|-----------------|-----------------|--------------|--------------|--------------|-----------------------|----------------|--------------------------------|--------|--|--|
| 01 | NE Corner @ 5' | | | 30-Mar-10 | 1230 | 1 | X | None | Soil | TPH: 418, 8015M NP-Non-Ferrous Specific Other GW - Groundwater S-Solid DW-Drinking Water SL-Sludge Other (Specify) | X |
| 02 | NE Corner @ 10' | | | 30-Mar-10 | 1245 | 1 | X | None | Soil | TPH: TX 1005 TX 1006 Carbons (Ca, Mg, Na, K) Anions (Cl, SO4, Alkalinity) BAR / ESP / CEC | X |
| 03 | NE Corner @ 15' | | | 30-Mar-10 | 1310 | 1 | X | None | Soil | TPH: 418, 8015M NP-Non-Ferrous Specific Other GW - Groundwater S-Solid DW-Drinking Water SL-Sludge Other (Specify) | X |
| 04 | NE Corner @ 17' | | | 30-Mar-10 | 1330 | 1 | X | None | Soil | TPH: 418, 8015M NP-Non-Ferrous Specific Other GW - Groundwater S-Solid DW-Drinking Water SL-Sludge Other (Specify) | X |
| 05 | S. Middle @ 5' | | | 30-Mar-10 | 1410 | 1 | X | None | Soil | TPH: 418, 8015M NP-Non-Ferrous Specific Other GW - Groundwater S-Solid DW-Drinking Water SL-Sludge Other (Specify) | X |
| 06 | S. Middle @ 10' | | | 30-Mar-10 | 1430 | 1 | X | None | Soil | TPH: 418, 8015M NP-Non-Ferrous Specific Other GW - Groundwater S-Solid DW-Drinking Water SL-Sludge Other (Specify) | X |
| 07 | S. Middle @ 12' | | | 30-Mar-10 | 1445 | 1 | X | None | Soil | TPH: 418, 8015M NP-Non-Ferrous Specific Other GW - Groundwater S-Solid DW-Drinking Water SL-Sludge Other (Specify) | X |
| 08 | S. Middle @ 15' | | | 30-Mar-10 | 1500 | 1 | X | None | Soil | TPH: 418, 8015M NP-Non-Ferrous Specific Other GW - Groundwater S-Solid DW-Drinking Water SL-Sludge Other (Specify) | X |

Special Instructions:

Relinquished by: Carmille Bryant Date: 3/31/10 Time: 1139
 Relinquished by: Chad Sturdy Date: 4/1/10 Time: 0952
 Relinquished by: Amey B. Date: 4/1/10 Time: 08:52

Received by: Chad Sturdy Date: 3/31/10 Time: 1139
 Received by: Amey B. Date: 4/1/10 Time: 08:52

Relinquished by: Amey B. Date: 4/1/10 Time: 08:52

Received by: Amey B. Date: 4/1/10 Time: 08:52

Temperature Upon Receipt: 36 °C

Laboratory Comments:
 Sample Containers Intact? Y
 VOCs Free of Headspaces? Y
 Labels on container(s) Y
 Custody seals on container(s) Y
 Custody seals on cooler(s) Y
 Sample Hand Delivered by Courier? Y
 Client Rep. ? Y
 UPS Y DHL Y FedEx Y Lone Star Y

Environmental Lab of Texas
Variance/ Corrective Action Report- Sample Log-In

Client: Basin
 Date/ Time: 4/1/10 08:52
 Lab ID #: 367582
 Initials: AS

Sample Receipt Checklist

| | | | | Client Initials |
|-----|--|--------------------------------------|----|---------------------------|
| #1 | Temperature of container/ cooler? | <input checked="" type="radio"/> Yes | No | 36 °C |
| #2 | Shipping container in good condition? | <input checked="" type="radio"/> Yes | No | |
| #3 | Custody Seals intact on shipping container/ cooler? | <input checked="" type="radio"/> Yes | No | Not Present |
| #4 | Custody Seals intact on sample bottles/ container? | <input checked="" type="radio"/> Yes | No | Not Present |
| #5 | Chain of Custody present? | <input checked="" type="radio"/> Yes | No | |
| #6 | Sample instructions complete of Chain of Custody? | <input checked="" type="radio"/> Yes | No | |
| #7 | Chain of Custody signed when relinquished/ received? | <input checked="" type="radio"/> Yes | No | |
| #8 | Chain of Custody agrees with sample label(s)? | <input checked="" type="radio"/> Yes | No | ID written on Cont/ Lid |
| #9 | Container label(s) legible and intact? | <input checked="" type="radio"/> Yes | No | Not Applicable |
| #10 | Sample matrix/ properties agree with Chain of Custody? | <input checked="" type="radio"/> Yes | No | |
| #11 | Containers supplied by ELOT? | <input checked="" type="radio"/> Yes | No | |
| #12 | Samples in proper container/ bottle? | <input checked="" type="radio"/> Yes | No | See Below |
| #13 | Samples properly preserved? | <input checked="" type="radio"/> Yes | No | See Below |
| #14 | Sample bottles intact? | <input checked="" type="radio"/> Yes | No | |
| #15 | Preservations documented on Chain of Custody? | <input checked="" type="radio"/> Yes | No | |
| #16 | Containers documented on Chain of Custody? | <input checked="" type="radio"/> Yes | No | |
| #17 | Sufficient sample amount for indicated test(s)? | <input checked="" type="radio"/> Yes | No | See Below |
| #18 | All samples received within sufficient hold time? | <input checked="" type="radio"/> Yes | No | See Below |
| #19 | Subcontract of sample(s)? | <input checked="" type="radio"/> Yes | No | Not Applicable |
| #20 | VOC samples have zero headspace? | <input checked="" type="radio"/> Yes | No | Not Applicable |

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

- Check all that Apply:
- See attached e-mail/ fax
 - Client understands and would like to proceed with analysis
 - Cooling process had begun shortly after sampling event

Analytical Report 371873

for

Basin Environmental Consulting, LLC

Project Manager: Camille Bryant

LR Chamberlain Tank Battery

14-MAY-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL00449):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)

North Carolina(444), Texas(T104704468-TX), Illinois(002295)



14-MAY-10

Project Manager: **Camille Bryant**
Basin Environmental Consulting, LLC
P.O. Box 381
Lovington, NM 88260

Reference: XENCO Report No: **371873**
LR Chamberlain Tank Battery
Project Address: Lea County, NM

Camille Bryant:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 371873. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 371873 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron, II

Odessa Laboratory Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America



Sample Cross Reference 371873



Basin Environmental Consulting, LLC, Lovington, NM

LR Chamberlain Tank Battery

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|---------------------|--------|-----------------|--------------|---------------|
| T-1 Sample 1 @ 2' | S | Apr-28-10 08:00 | | 371873-001 |
| T-1 Sample 1 @ 7' | S | Apr-28-10 08:20 | | 371873-002 |
| T-1 Sample 1 @ 15' | S | Apr-28-10 08:40 | | 371873-003 |
| T-1 Sample 1 @ 17' | S | Apr-28-10 09:00 | | 371873-004 |
| T-1 Sample 2 @ 2' | S | Apr-28-10 09:40 | | 371873-005 |
| T-1 Sample 2 @ 5' | S | Apr-28-10 10:00 | | 371873-006 |
| T-1 Sample 3 @ 2' | S | Apr-28-10 10:40 | | 371873-007 |
| T-1 Sample 3 @ 5' | S | Apr-28-10 11:00 | | 371873-008 |
| T-1 Sample 4 @ 2' | S | Apr-28-10 11:20 | | 371873-009 |
| T-1 Sample 4 @ 5' | S | Apr-28-10 11:40 | | 371873-010 |
| T-1 Sample 5 @ 2' | S | Apr-30-10 11:00 | | 371873-011 |
| T-1 Sample 5 @ 3' | S | Apr-30-10 11:30 | | 371873-012 |
| T-2 Sample 1 @ 2' | S | Apr-28-10 12:00 | | 371873-013 |
| T-2 Sample 1 @ 7' | S | Apr-28-10 12:30 | | 371873-014 |
| T-2 Sample 1 @ 12' | S | Apr-28-10 13:00 | | 371873-015 |
| T-2 Sample 1 @ 13' | S | Apr-28-10 13:20 | | 371873-016 |
| T-2 Sample 2 @ 2' | S | Apr-28-10 14:20 | | 371873-017 |
| T-2 Sample 2 @ 5' | S | Apr-28-10 14:40 | | 371873-018 |
| T-2 Sample 3 @ 2' | S | Apr-29-10 08:00 | | 371873-019 |
| T-2 Sample 3 @ 5' | S | Apr-29-10 08:30 | | 371873-020 |
| T-3 Sample 1 @ 2' | S | Apr-29-10 09:00 | | 371873-021 |
| T-3 Sample 1 @ 5' | S | Apr-29-10 09:20 | | 371873-022 |
| T-3 Sample 1 @ 7' | S | Apr-29-10 09:40 | | 371873-023 |
| T-3 Sample 2 @ 5' | S | Apr-29-10 10:00 | | 371873-024 |
| T-3 Sample 3 @ 5' | S | Apr-29-10 11:00 | | 371873-025 |
| T-3 Sample 4 @ 2' | S | Apr-29-10 12:00 | | 371873-026 |
| T-3 Sample 4 @ 5' | S | Apr-29-10 12:20 | | 371873-027 |
| T-4 Sample 1 @ 1.5' | S | Apr-29-10 13:00 | | 371873-028 |
| T-4 Sample 2 @ 1.5' | S | Apr-29-10 13:30 | | 371873-029 |
| T-4 Sample 3 @ 2' | S | Apr-29-10 14:00 | | 371873-030 |
| T-4 Sample 3 @ 3' | S | Apr-29-10 14:20 | | 371873-031 |
| T-5 Sample 1 @ 2' | S | Apr-29-10 14:40 | | 371873-032 |
| T-5 Sample 1 @ 3.5' | S | Apr-29-10 15:00 | | 371873-033 |
| T-5 Sample 2 @ 2' | S | Apr-29-10 15:30 | | 371873-034 |



CASE NARRATIVE

Client Name: Basin Environmental Consulting, LLC

Project Name: LR Chamberlain Tank Battery



Project ID:
Work Order Number: 371873

Report Date: 14-MAY-10
Date Received: 05/06/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-805736 TPH By SW8015 Mod

None

Batch: LBA-805744 Percent Moisture

None

Batch: LBA-805751 Percent Moisture

None

Batch: LBA-805752 TPH By SW8015 Mod

SW8015MOD_NM

Batch 805752, C12-C28 Diesel Range Hydrocarbons recovered below QC limits in the Matrix Spike Duplicate.

Samples affected are: 371873-025, -030, -032, -026, -028, -033, -021, -023, -024, -027, -029, -034, -031, -022.

The Laboratory Control Sample for C12-C28 Diesel Range Hydrocarbons is within laboratory Control Limits



CASE NARRATIVE

Client Name: Basin Environmental Consulting, LLC
Project Name: LR Chamberlain Tank Battery



Project ID:
Work Order Number: 371873

Report Date: 14-MAY-10
Date Received: 05/06/2010

Batch: LBA-805828 BTEX by EPA 8021B
SW8021BM

Batch 805828, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Benzene, Ethylbenzene, Toluene, m,p-Xylenes recovered below QC limits in the Matrix Spike Duplicate.

Samples affected are: 371873-007, -015, -002, -016, -004, -008, -011, -017, -018, -013, -001, -003, -010, -014, -020, -006, -009, -012, -005, -019.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Benzene, o-Xylene, Ethylbenzene is within laboratory Control Limits

SW8021BM

Batch 805828, 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is suspected; data not confirmed by re-analysis

Samples affected are: 371873-012,371873-011.



CASE NARRATIVE

Client Name: Basin Environmental Consulting, LLC

Project Name: LR Chamberlain Tank Battery



*Project ID:
Work Order Number: 371873*

*Report Date: 14-MAY-10
Date Received: 05/06/2010*

*Batch: LBA-805963 BTEX by EPA 8021B
SW8021BM*

*Batch 805963, 1,4-Difluorobenzene recovered above QC limits . Matrix interferences is suspected; QC data not confirmed by re-analysis
Samples affected are: 371873-021 S.*

SW8021BM

Batch 805963, Benzene, Ethylbenzene, Toluene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. m,p-Xylenes recovered below QC limits in the Matrix Spike Duplicate.

Samples affected are: 371873-025, -030, -032, -026, -028, -033, -021, -023, -024, -027, -029, -034, -031, -022.

The Laboratory Control Sample for Toluene, m,p-Xylenes , Benzene, Ethylbenzene is within laboratory Control Limits

SW8021BM

Batch 805963, o-Xylene RPD was outside QC limits.

Samples affected are: 371873-025, -030, -032, -026, -028, -033, -021, -023, -024, -027, -029, -034, -031, -022

*Batch: LBA-806338 Inorganic Anions by EPA 300
None*

*Batch: LBA-806340 Inorganic Anions by EPA 300
None*

Project Id:
Contact: Camille Bryant
Project Location: Lea County, NM

Date Received in Lab: Thu May-06-10 05:08 pm
Report Date: 14-MAY-10

Project Manager: Brent Barron, II

| Analysis Requested | Lab Id: | 371873-001 | 371873-002 | 371873-003 | 371873-004 | 371873-005 | 371873-006 |
|------------------------------------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | Field Id: | T-1 Sample 1 @ 2' | T-1 Sample 1 @ 7' | T-1 Sample 1 @ 15' | T-1 Sample 1 @ 17' | T-1 Sample 2 @ 2' | T-1 Sample 2 @ 5' |
| | Depth: | | | | | | |
| | Matrix: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| | Sampled: | Apr-28-10 08:00 | Apr-28-10 08:20 | Apr-28-10 08:40 | Apr-28-10 09:00 | Apr-28-10 09:40 | Apr-28-10 10:00 |
| Anions by E300 | Extracted: | | | | | | |
| | Analyzed: | May-12-10 10:32 |
| | Units/RL: | mg/kg RL 1180 19.3 | mg/kg RL 976 49.5 | mg/kg RL 317 9.48 | mg/kg RL 144 4.70 | mg/kg RL 530 9.55 | mg/kg RL 387 19.2 |
| BTEX by EPA 8021B | Extracted: | May-08-10 11:30 |
| | Analyzed: | May-08-10 18:01 | May-08-10 18:24 | May-08-10 18:46 | May-08-10 19:08 | May-08-10 19:31 | May-08-10 19:53 |
| | Units/RL: | mg/kg RL ND 0.0012 | mg/kg RL ND 0.0012 | mg/kg RL ND 0.0011 |
| Benzene | | ND 0.0023 | ND 0.0024 | ND 0.0022 | ND 0.0022 | ND 0.0023 | ND 0.0023 |
| Toluene | | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 |
| Ethylbenzene | | ND 0.0023 | ND 0.0024 | ND 0.0022 | ND 0.0022 | ND 0.0023 | ND 0.0023 |
| m,p-Xylenes | | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 |
| o-Xylene | | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 |
| Total Xylenes | | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 |
| Total BTEX | | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 |
| Percent Moisture | Extracted: | | | | | | |
| | Analyzed: | May-07-10 17:00 |
| | Units/RL: | % RL 13.0 1.00 | % RL 15.1 1.00 | % RL 11.4 1.00 | % RL 10.6 1.00 | % RL 12.0 1.00 | % RL 12.3 1.00 |
| TPH By SW8015 Mod | Extracted: | May-07-10 13:15 |
| | Analyzed: | May-07-10 18:14 | May-07-10 18:41 | May-07-10 19:08 | May-07-10 19:35 | May-07-10 20:02 | May-07-10 20:29 |
| | Units/RL: | mg/kg RL ND 17.3 | mg/kg RL ND 17.7 | mg/kg RL ND 17.0 | mg/kg RL ND 16.7 | mg/kg RL ND 17.1 | mg/kg RL ND 17.1 |
| C6-C12 Gasoline Range Hydrocarbons | | ND 17.3 | ND 17.7 | ND 17.0 | ND 16.7 | ND 17.1 | ND 17.1 |
| C12-C28 Diesel Range Hydrocarbons | | ND 17.3 | ND 17.7 | ND 17.0 | ND 16.7 | ND 17.1 | ND 17.1 |
| C28-C35 Oil Range Hydrocarbons | | ND 17.3 | ND 17.7 | ND 17.0 | ND 16.7 | ND 17.1 | ND 17.1 |
| Total TPH | | ND 17.3 | ND 17.7 | ND 17.0 | ND 16.7 | ND 17.1 | ND 17.1 |

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Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Brent Barron, II
Odessa Laboratory Manager

Project Id:
Contact: Camille Bryant
Project Location: Lea County, NM

Date Received in Lab: Thu May-06-10 05:08 pm
Report Date: 14-MAY-10

Project Manager: Brent Barron, II

| Analysis Requested | Lab Id: | Field Id: | Depth: | Matrix: | Sampled: | Extracted: | Analyzed: | Units/RL: | 371873-007 | 371873-008 | 371873-009 | 371873-010 | 371873-011 | 371873-012 |
|------------------------------------|-----------|-------------------|--------|---------|-----------------|-----------------|-----------------|-----------|------------|------------|------------|------------|------------|------------|
| Anions by E.300 | Field Id: | T-1 Sample 3 @ 2' | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 218 | 428 | 23.2 | 1460 | 14.1 | 8.95 |
| | Depth: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| | Matrix: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| BTEX by EPA 8021B | Field Id: | T-1 Sample 3 @ 2' | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 218 | 428 | 23.2 | 1460 | 14.1 | 8.95 |
| | Depth: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| | Matrix: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| Percent Moisture | Field Id: | T-1 Sample 3 @ 2' | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 218 | 428 | 23.2 | 1460 | 14.1 | 8.95 |
| | Depth: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| | Matrix: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| TPH By SW8015 Mod | Field Id: | T-1 Sample 3 @ 2' | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 218 | 428 | 23.2 | 1460 | 14.1 | 8.95 |
| | Depth: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| | Matrix: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| C6-C12 Gasoline Range Hydrocarbons | Field Id: | T-1 Sample 3 @ 2' | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 218 | 428 | 23.2 | 1460 | 14.1 | 8.95 |
| | Depth: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| | Matrix: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| C12-C28 Diesel Range Hydrocarbons | Field Id: | T-1 Sample 3 @ 2' | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 218 | 428 | 23.2 | 1460 | 14.1 | 8.95 |
| | Depth: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| | Matrix: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| C28-C35 Oil Range Hydrocarbons | Field Id: | T-1 Sample 3 @ 2' | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 218 | 428 | 23.2 | 1460 | 14.1 | 8.95 |
| | Depth: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| | Matrix: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| Total TPH | Field Id: | T-1 Sample 3 @ 2' | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 218 | 428 | 23.2 | 1460 | 14.1 | 8.95 |
| | Depth: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |
| | Matrix: | | | SOIL | Apr-28-10 10:40 | May-12-10 10:32 | May-08-10 11:30 | RL | 9.71 | 10.3 | 4.49 | 23.6 | 4.77 | 4.71 |

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Houston - Dallas - San Antonio - Allamta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Brent Barron, II
Odessa Laboratory Manager



Certificate of Analysis Summary 371873

Basin Environmental Consulting, LLC, Lovington, NM

Project Name: LR Chamberlain Tank Battery



Project Id: Contact: Camille Bryant
Project Location: Lea County, NM

Date Received in Lab: Thu May-06-10 05:08 pm
Report Date: 14-MAY-10
Project Manager: Brent Barron, II

| Lab Id: | 371873-013 | 371873-014 | 371873-015 | 371873-016 | 371873-017 | 371873-018 |
|------------------------------------|---------------------|---------------------|----------------------|----------------------|---------------------|---------------------|
| Field Id: | T-2 Sample 1 (@ 2') | T-2 Sample 1 (@ 7') | T-2 Sample 1 (@ 12') | T-2 Sample 1 (@ 13') | T-2 Sample 1 (@ 2') | T-2 Sample 2 (@ 5') |
| Depth: | | | | | | |
| Matrix: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| Sampled: | Apr-28-10 12:00 | Apr-28-10 12:30 | Apr-28-10 13:00 | Apr-28-10 13:20 | Apr-28-10 14:20 | Apr-28-10 14:40 |
| Extracted: | | | | | | |
| Analyzed: | May-12-10 10:32 | May-12-10 10:32 | May-12-10 10:32 | May-12-10 10:32 | May-12-10 10:32 | May-12-10 10:32 |
| Units/RL: | mg/kg RL 837 19.5 | mg/kg RL 818 20.2 | mg/kg RL 250 9.08 | mg/kg RL 228 9.04 | mg/kg RL 820 20.5 | mg/kg RL 553 52.8 |
| Chloride | | | | | | |
| Anions by E300 | | | | | | |
| BTEX by EPA 8021B | | | | | | |
| Extracted: | May-08-10 11:30 | May-08-10 11:30 | May-08-10 11:30 | May-08-10 11:30 | May-08-10 11:30 | May-08-10 11:30 |
| Analyzed: | May-08-10 23:15 | May-08-10 23:38 | May-09-10 00:00 | May-09-10 00:22 | May-09-10 00:44 | May-09-10 01:06 |
| Units/RL: | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| Benzene | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0013 |
| Toluene | ND 0.0023 | ND 0.0024 | ND 0.0021 | ND 0.0021 | ND 0.0025 | ND 0.0025 |
| Ethylbenzene | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0013 |
| m,p-Xylenes | ND 0.0023 | ND 0.0024 | ND 0.0021 | ND 0.0021 | ND 0.0025 | ND 0.0025 |
| o-Xylene | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0013 |
| Total Xylenes | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0013 |
| Total BTEX | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0013 |
| Percent Moisture | | | | | | |
| Extracted: | May-07-10 17:00 | May-07-10 17:00 | May-07-10 17:00 | May-07-10 17:00 | May-07-10 17:00 | May-07-10 17:00 |
| Analyzed: | | | | | | |
| Units/RL: | % RL | % RL | % RL | % RL | % RL | % RL |
| Percent Moisture | 13.8 1.00 | 17.0 1.00 | 7.46 1.00 | 7.12 1.00 | 18.2 1.00 | 20.5 1.00 |
| TPH By SW8015 Mod | | | | | | |
| Extracted: | May-07-10 13:15 | May-07-10 13:15 | May-07-10 13:15 | May-07-10 13:15 | May-07-10 13:15 | May-07-10 13:15 |
| Analyzed: | May-08-10 00:05 | May-08-10 00:32 | May-08-10 00:59 | May-08-10 01:26 | May-08-10 01:53 | May-08-10 02:20 |
| Units/RL: | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL | mg/kg RL |
| C6-C12 Gasoline Range Hydrocarbons | ND 17.3 | ND 18.2 | ND 16.1 | ND 16.1 | ND 18.3 | ND 18.9 |
| C12-C28 Diesel Range Hydrocarbons | ND 17.3 | ND 18.2 | ND 16.1 | ND 16.1 | ND 18.3 | ND 18.9 |
| C28-C35 Oil Range Hydrocarbons | ND 17.3 | ND 18.2 | ND 16.1 | ND 16.1 | ND 18.3 | ND 18.9 |
| Total TPH | ND 17.3 | ND 18.2 | ND 16.1 | ND 16.1 | ND 18.3 | ND 18.9 |

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Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Brent Barron, II
 Odessa Laboratory Manager

Certificate of Analysis Summary 371873
Basin Environmental Consulting, LLC, Lovington, NM
Project Name: LR Chamberlain Tank Battery



Project Id:
Contact: Camille Bryant
Project Location: Lea County, NM

Date Received in Lab: Thu May-06-10 05:08 pm
Report Date: 14-MAY-10
Project Manager: Brent Barron, II

| Lab Id: | 371873-019 | 371873-020 | 371873-021 | 371873-022 | 371873-023 | 371873-024 |
|------------------------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|
| Field Id: | T-2 Sample 3 (@ 2' | T-2 Sample 3 (@ 5' | T-3 Sample 1 (@ 2' | T-3 Sample 1 (@ 5' | T-3 Sample 1 (@ 7' | T-3 Sample 2 (@ 5' |
| Depth: | | | | | | |
| Matrix: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| Sampled: | Apr-29-10 08:00 | Apr-29-10 08:30 | Apr-29-10 09:00 | Apr-29-10 09:20 | Apr-29-10 09:40 | Apr-29-10 10:00 |
| Extracted: | | | | | | |
| Analyzed: | May-12-10 10:32 | May-12-10 10:32 | May-12-10 19:30 | May-12-10 19:30 | May-12-10 19:30 | May-12-10 19:30 |
| Units/RL: | mg/kg RL: 184 9.22 | mg/kg RL: 66.3 5.08 | mg/kg RL: 497 9.44 | mg/kg RL: 135 9.52 | mg/kg RL: 117 9.70 | mg/kg RL: 784 20.0 |
| Anions by E300 | | | | | | |
| BTEX by EPA 8021B | | | | | | |
| Chloride | | | | | | |
| Benzene | ND 0.0011 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0012 |
| Toluene | ND 0.0022 | ND 0.0024 | ND 0.0022 | ND 0.0023 | ND 0.0023 | ND 0.0024 |
| Ethylbenzene | ND 0.0011 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0012 |
| m,p-Xylenes | ND 0.0022 | ND 0.0024 | ND 0.0022 | ND 0.0023 | ND 0.0023 | ND 0.0024 |
| o-Xylene | ND 0.0011 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0012 |
| Total Xylenes | ND 0.0011 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0012 |
| Total BTEX | ND 0.0011 | ND 0.0012 | ND 0.0011 | ND 0.0011 | ND 0.0012 | ND 0.0012 |
| Percent Moisture | | | | | | |
| Extracted: | May-07-10 17:00 | May-07-10 17:00 | May-07-10 17:00 | May-07-10 17:00 | May-07-10 17:00 | May-07-10 17:00 |
| Analyzed: | % RL: 8.85 1.00 | % RL: 17.4 1.00 | % RL: 11.0 1.00 | % RL: 11.8 1.00 | % RL: 13.4 1.00 | % RL: 15.8 1.00 |
| Units/RL: | | | | | | |
| Percent Moisture | | | | | | |
| TPH By SW8015 Mod | | | | | | |
| Extracted: | May-07-10 13:15 | May-07-10 13:15 | May-07-10 13:15 | May-07-10 13:15 | May-07-10 13:15 | May-07-10 13:15 |
| Analyzed: | May-08-10 02:48 | May-08-10 03:15 | May-07-10 22:16 | May-07-10 22:46 | May-07-10 23:15 | May-07-10 23:44 |
| Units/RL: | mg/kg RL: ND 16.4 | mg/kg RL: ND 18.2 | mg/kg RL: ND 16.9 | mg/kg RL: ND 17.0 | mg/kg RL: ND 17.4 | mg/kg RL: ND 17.8 |
| C6-C12 Gasoline Range Hydrocarbons | ND 16.4 | ND 18.2 | ND 16.9 | ND 17.0 | ND 17.4 | ND 17.8 |
| C12-C28 Diesel Range Hydrocarbons | ND 16.4 | ND 18.2 | ND 16.9 | ND 17.0 | ND 17.4 | ND 17.8 |
| C28-C35 Oil Range Hydrocarbons | ND 16.4 | ND 18.2 | ND 16.9 | ND 17.0 | ND 17.4 | ND 17.8 |
| Total TPH | ND 16.4 | ND 18.2 | ND 16.9 | ND 17.0 | ND 17.4 | ND 17.8 |

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Brent Barron, II
Odessa Laboratory Manager

Certificate of Analysis Summary 371873
Basin Environmental Consulting, LLC, Lovington, NM
Project Name: LR Chamberlain Tank Battery



Project Id: **Contact:** Camille Bryant
Project Location: Lea County, NM

Date Received in Lab: Thu May-06-10 05:08 pm
Report Date: 14-MAY-10
Project Manager: Brent Barron, II

| Analysis Requested | Lab Id: | 371873-025 | 371873-026 | 371873-027 | 371873-028 | 371873-029 | 371873-030 |
|------------------------------------|------------|-------------------|--------------------|--------------------|---------------------|---------------------|--------------------|
| | Field Id: | T-3 Sample 3 @ 5' | T-3 Sample 4 @ 2' | T-3 Sample 4 @ 5' | T-4 Sample 1 @ 1.5' | T-4 Sample 2 @ 1.5' | T-4 Sample 3 @ 2' |
| Anions by E300 | Depth: | | | | | | |
| | Matrix: | SOIL | SOIL | SOIL | SOIL | SOIL | SOIL |
| BTEX by EPA 8021B | Sampled: | Apr-29-10 11:00 | Apr-29-10 12:00 | Apr-29-10 12:20 | Apr-29-10 13:00 | Apr-29-10 13:30 | Apr-29-10 14:00 |
| | Extracted: | May-12-10 19:30 | May-12-10 19:30 | May-12-10 19:30 | May-12-10 19:30 | May-12-10 19:30 | May-12-10 19:30 |
| Chloride | Analyzed: | May-10-10 14:30 | May-10-10 14:30 | May-10-10 14:30 | May-10-10 14:30 | May-10-10 14:30 | May-10-10 14:30 |
| | Units/RL: | mg/kg RL 981 47.5 | mg/kg RL 71.6 4.58 | mg/kg RL 84.3 4.48 | mg/kg RL 669 17.8 | mg/kg RL 885 18.4 | mg/kg RL 67.6 9.61 |
| Percent Moisture | Extracted: | May-10-10 16:45 | May-10-10 17:06 | May-10-10 17:27 | May-10-10 17:47 | May-10-10 18:08 | May-10-10 18:29 |
| | Analyzed: | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 |
| TPH By SW8015 Mod | Units/RL: | ND 0.0023 | ND 0.0022 | ND 0.0021 | ND 0.0021 | ND 0.0022 | ND 0.0023 |
| | Extracted: | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 |
| C6-C12 Gasoline Range Hydrocarbons | Analyzed: | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 |
| | Units/RL: | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 |
| C12-C28 Diesel Range Hydrocarbons | Extracted: | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 | ND 0.0011 |
| | Analyzed: | May-07-10 17:00 | May-07-10 17:00 | May-07-10 17:00 | May-07-10 17:00 | May-07-10 17:00 | May-07-10 17:00 |
| C28-C35 Oil Range Hydrocarbons | Units/RL: | % RL 11.5 1.00 | % RL 8.31 1.00 | % RL 6.17 1.00 | % RL 5.74 1.00 | % RL 8.62 1.00 | % RL 12.6 1.00 |
| | Extracted: | May-07-10 13:15 | May-07-10 13:15 | May-07-10 13:15 | May-07-10 13:15 | May-07-10 13:15 | May-07-10 13:15 |
| Total TPH | Analyzed: | May-08-10 00:15 | May-08-10 00:46 | May-08-10 01:18 | May-08-10 01:50 | May-08-10 02:22 | May-08-10 02:53 |
| | Units/RL: | mg/kg RL ND 16.9 | mg/kg RL ND 16.4 | mg/kg RL ND 16.0 | mg/kg RL ND 15.8 | mg/kg RL ND 16.4 | mg/kg RL ND 17.1 |
| Total TPH | Extracted: | ND 16.9 | ND 16.4 | ND 16.0 | ND 15.8 | ND 16.4 | ND 17.1 |
| | Analyzed: | ND 16.9 | ND 16.4 | ND 16.0 | ND 15.8 | ND 16.4 | ND 17.1 |
| Total TPH | Units/RL: | ND 16.9 | ND 16.4 | ND 16.0 | ND 15.8 | ND 16.4 | ND 17.1 |
| | Extracted: | ND 16.9 | ND 16.4 | ND 16.0 | ND 15.8 | ND 16.4 | ND 17.1 |

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Brent Barron, II
 Odessa Laboratory Manager

Certificate of Analysis Summary 371873
Basin Environmental Consulting, LLC, Lovington, NM
Project Name: LR Chamberlain Tank Battery



Project Id:
Contact: Camille Bryant
Project Location: Lea County, NM

Date Received in Lab: Thu May-06-10 05:08 pm
Report Date: 14-MAY-10
Project Manager: Brent Barron, II

| Analysis Requested | Lab Id: Field Id: Depth: Matrix: Sampled: | 371873-031 T-4 Sample 3 @ 3' | 371873-032 T-5 Sample 1 @ 2' | 371873-033 T-5 Sample 1 @ 3.5' | 371873-034 T-5 Sample 2 @ 2' |
|------------------------------------|---|--|--|--|---------------------------------|
| Anions by E300 | SOIL Apr-29-10 14:20 | SOIL Apr-29-10 14:40 | SOIL Apr-29-10 15:00 | SOIL Apr-29-10 15:30 | SOIL Apr-29-10 15:30 |
| Chloride | May-12-10 19:30 mg/kg RL 123 10.1 | May-12-10 19:30 mg/kg RL 2870 50.6 | May-12-10 19:30 mg/kg RL 1550 23.2 | May-12-10 19:30 mg/kg RL 66.4 4.94 | |
| BTEX by EPA 8021B | May-10-10 14:30 May-10-10 19:31 | May-10-10 14:30 May-10-10 19:52 | May-10-10 14:30 May-10-10 20:12 | May-10-10 14:30 May-10-10 20:33 | |
| Benzene | mg/kg RL ND 0.0012 | mg/kg RL ND 0.0012 | mg/kg RL ND 0.0011 | mg/kg RL ND 0.0012 | |
| Toluene | ND 0.0024 | ND 0.0024 | ND 0.0022 | ND 0.0024 | |
| Ethylbenzene | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0012 | |
| m,p-Xylenes | ND 0.0024 | ND 0.0024 | ND 0.0022 | ND 0.0024 | |
| o-Xylene | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0012 | |
| Total Xylenes | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0012 | |
| Total BTEX | ND 0.0012 | ND 0.0012 | ND 0.0011 | ND 0.0012 | |
| Percent Moisture | | | | | |
| Percent Moisture | May-07-10 17:00 % RL 16.9 1.00 | May-07-10 17:00 % RL 17.0 1.00 | May-07-10 17:00 % RL 9.31 1.00 | May-07-10 17:00 % RL 14.9 1.00 | |
| TPH By SW8015 Mod | May-07-10 13:15 May-08-10 03:54 | May-07-10 13:15 May-08-10 04:25 | May-07-10 13:15 May-08-10 04:56 | May-07-10 13:15 May-08-10 05:29 | |
| C6-C12 Gasoline Range Hydrocarbons | mg/kg RL ND 18.0 | mg/kg RL ND 18.1 | mg/kg RL ND 16.6 | mg/kg RL ND 17.5 | |
| C12-C28 Diesel Range Hydrocarbons | ND 18.0 | ND 18.1 | ND 16.6 | ND 17.5 | |
| C28-C35 Oil Range Hydrocarbons | ND 18.0 | ND 18.1 | ND 16.6 | ND 17.5 | |
| Total TPH | ND 18.0 | ND 18.1 | ND 16.6 | ND 17.5 | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Allamta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Brent Barron, II
Odessa Laboratory Manager

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
 - B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
 - D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
 - E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
 - F** RPD exceeded lab control limits.
 - J** The target analyte was positively identified below the MQL and above the SQL.
 - U** Analyte was not detected.
 - L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
 - H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
 - K** Sample analyzed outside of recommended hold time.
 - JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
 - BRL** Below Reporting Limit.
 - RL** Reporting Limit
- * Outside XENCO's scope of NELAC Accreditation.

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Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805828

Sample: 562820-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/08/10 16:10

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0295 | 0.0300 | 98 | 80-120 | |
| 4-Bromofluorobenzene | 0.0300 | 0.0300 | 100 | 80-120 | |

Lab Batch #: 805828

Sample: 562820-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/08/10 16:33

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0300 | 0.0300 | 100 | 80-120 | |
| 4-Bromofluorobenzene | 0.0293 | 0.0300 | 98 | 80-120 | |

Lab Batch #: 805828

Sample: 562820-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/08/10 17:39

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0243 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0294 | 0.0300 | 98 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 18:01

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0243 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0300 | 0.0300 | 100 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 18:24

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0244 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0297 | 0.0300 | 99 | 80-120 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805828

Sample: 371873-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 18:46

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0242 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0287 | 0.0300 | 96 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 19:08

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0239 | 0.0300 | 80 | 80-120 | |
| 4-Bromofluorobenzene | 0.0293 | 0.0300 | 98 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 19:31

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0243 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0291 | 0.0300 | 97 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 19:53

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0241 | 0.0300 | 80 | 80-120 | |
| 4-Bromofluorobenzene | 0.0286 | 0.0300 | 95 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 20:16

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0241 | 0.0300 | 80 | 80-120 | |
| 4-Bromofluorobenzene | 0.0284 | 0.0300 | 95 | 80-120 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805828

Sample: 371873-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 20:38

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0239 | 0.0300 | 80 | 80-120 | |
| 4-Bromofluorobenzene | 0.0282 | 0.0300 | 94 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-009 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 21:01

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0247 | 0.0300 | 82 | 80-120 | |
| 4-Bromofluorobenzene | 0.0305 | 0.0300 | 102 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-010 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 21:23

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0245 | 0.0300 | 82 | 80-120 | |
| 4-Bromofluorobenzene | 0.0303 | 0.0300 | 101 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-011 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 22:30

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0238 | 0.0300 | 79 | 80-120 | * |
| 4-Bromofluorobenzene | 0.0273 | 0.0300 | 91 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-012 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 22:53

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0235 | 0.0300 | 78 | 80-120 | * |
| 4-Bromofluorobenzene | 0.0273 | 0.0300 | 91 | 80-120 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805828

Sample: 371873-013 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 23:15

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0244 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0291 | 0.0300 | 97 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-014 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 23:38

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0242 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0290 | 0.0300 | 97 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-015 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/09/10 00:00

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0243 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0302 | 0.0300 | 101 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-016 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/09/10 00:22

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0242 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0291 | 0.0300 | 97 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-017 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/09/10 00:44

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0245 | 0.0300 | 82 | 80-120 | |
| 4-Bromofluorobenzene | 0.0296 | 0.0300 | 99 | 80-120 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805828

Sample: 371873-018 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/09/10 01:06

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0242 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0293 | 0.0300 | 98 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-019 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/09/10 01:28

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0242 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0287 | 0.0300 | 96 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-020 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/09/10 01:51

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0244 | 0.0300 | 81 | 80-120 | |
| 4-Bromofluorobenzene | 0.0302 | 0.0300 | 101 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-020 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/09/10 02:13

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0287 | 0.0300 | 96 | 80-120 | |
| 4-Bromofluorobenzene | 0.0296 | 0.0300 | 99 | 80-120 | |

Lab Batch #: 805828

Sample: 371873-020 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/09/10 02:36

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0284 | 0.0300 | 95 | 80-120 | |
| 4-Bromofluorobenzene | 0.0292 | 0.0300 | 97 | 80-120 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805963

Sample: 562918-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/10/10 09:12

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0301 | 0.0300 | 100 | 80-120 | |
| 4-Bromofluorobenzene | 0.0300 | 0.0300 | 100 | 80-120 | |

Lab Batch #: 805963

Sample: 562918-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/10/10 09:33

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0304 | 0.0300 | 101 | 80-120 | |
| 4-Bromofluorobenzene | 0.0301 | 0.0300 | 100 | 80-120 | |

Lab Batch #: 805963

Sample: 562918-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/10/10 10:35

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0273 | 0.0300 | 91 | 80-120 | |
| 4-Bromofluorobenzene | 0.0296 | 0.0300 | 99 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-021 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/10/10 15:23

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0277 | 0.0300 | 92 | 80-120 | |
| 4-Bromofluorobenzene | 0.0278 | 0.0300 | 93 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-022 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/10/10 15:44

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0269 | 0.0300 | 90 | 80-120 | |
| 4-Bromofluorobenzene | 0.0306 | 0.0300 | 102 | 80-120 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805963

Sample: 371873-023 / SMP

Batch: 1 Matrix: Soil

| SURROGATE RECOVERY STUDY | | | | | | |
|--------------------------|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Units: mg/kg | Date Analyzed: 05/10/10 16:04 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| BTEX by EPA 8021B | | | | | | |
| Analytes | | | | | | |
| 1,4-Difluorobenzene | | 0.0273 | 0.0300 | 91 | 80-120 | |
| 4-Bromofluorobenzene | | 0.0310 | 0.0300 | 103 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-024 / SMP

Batch: 1 Matrix: Soil

| SURROGATE RECOVERY STUDY | | | | | | |
|--------------------------|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Units: mg/kg | Date Analyzed: 05/10/10 16:25 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| BTEX by EPA 8021B | | | | | | |
| Analytes | | | | | | |
| 1,4-Difluorobenzene | | 0.0269 | 0.0300 | 90 | 80-120 | |
| 4-Bromofluorobenzene | | 0.0300 | 0.0300 | 100 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-025 / SMP

Batch: 1 Matrix: Soil

| SURROGATE RECOVERY STUDY | | | | | | |
|--------------------------|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Units: mg/kg | Date Analyzed: 05/10/10 16:45 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| BTEX by EPA 8021B | | | | | | |
| Analytes | | | | | | |
| 1,4-Difluorobenzene | | 0.0279 | 0.0300 | 93 | 80-120 | |
| 4-Bromofluorobenzene | | 0.0292 | 0.0300 | 97 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-026 / SMP

Batch: 1 Matrix: Soil

| SURROGATE RECOVERY STUDY | | | | | | |
|--------------------------|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Units: mg/kg | Date Analyzed: 05/10/10 17:06 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| BTEX by EPA 8021B | | | | | | |
| Analytes | | | | | | |
| 1,4-Difluorobenzene | | 0.0276 | 0.0300 | 92 | 80-120 | |
| 4-Bromofluorobenzene | | 0.0270 | 0.0300 | 90 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-027 / SMP

Batch: 1 Matrix: Soil

| SURROGATE RECOVERY STUDY | | | | | | |
|--------------------------|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| Units: mg/kg | Date Analyzed: 05/10/10 17:27 | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
| BTEX by EPA 8021B | | | | | | |
| Analytes | | | | | | |
| 1,4-Difluorobenzene | | 0.0274 | 0.0300 | 91 | 80-120 | |
| 4-Bromofluorobenzene | | 0.0330 | 0.0300 | 110 | 80-120 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805963

Sample: 371873-028 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/10/10 17:47

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0268 | 0.0300 | 89 | 80-120 | |
| 4-Bromofluorobenzene | 0.0272 | 0.0300 | 91 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-029 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/10/10 18:08

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0272 | 0.0300 | 91 | 80-120 | |
| 4-Bromofluorobenzene | 0.0285 | 0.0300 | 95 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-030 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/10/10 18:29

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0278 | 0.0300 | 93 | 80-120 | |
| 4-Bromofluorobenzene | 0.0303 | 0.0300 | 101 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-031 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/10/10 19:31

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0279 | 0.0300 | 93 | 80-120 | |
| 4-Bromofluorobenzene | 0.0285 | 0.0300 | 95 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-032 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/10/10 19:52

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0285 | 0.0300 | 95 | 80-120 | |
| 4-Bromofluorobenzene | 0.0294 | 0.0300 | 98 | 80-120 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805963

Sample: 371873-033 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/10/10 20:12

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0275 | 0.0300 | 92 | 80-120 | |
| 4-Bromofluorobenzene | 0.0285 | 0.0300 | 95 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-034 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/10/10 20:33

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0269 | 0.0300 | 90 | 80-120 | |
| 4-Bromofluorobenzene | 0.0301 | 0.0300 | 100 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-021 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/10/10 21:56

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0362 | 0.0300 | 121 | 80-120 | * |
| 4-Bromofluorobenzene | 0.0313 | 0.0300 | 104 | 80-120 | |

Lab Batch #: 805963

Sample: 371873-021 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/10/10 22:17

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0289 | 0.0300 | 96 | 80-120 | |
| 4-Bromofluorobenzene | 0.0338 | 0.0300 | 113 | 80-120 | |

Lab Batch #: 805736

Sample: 562786-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/07/10 16:54

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 113 | 100 | 113 | 70-135 | |
| o-Terphenyl | 44.7 | 50.2 | 89 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805736

Sample: 562786-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/07/10 17:20

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 113 | 100 | 113 | 70-135 | |
| o-Terphenyl | 44.0 | 50.2 | 88 | 70-135 | |

Lab Batch #: 805736

Sample: 562786-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/07/10 17:47

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 96.2 | 99.6 | 97 | 70-135 | |
| o-Terphenyl | 48.1 | 49.8 | 97 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 18:14

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 98.5 | 100 | 99 | 70-135 | |
| o-Terphenyl | 49.0 | 50.2 | 98 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 18:41

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 96.0 | 100 | 96 | 70-135 | |
| o-Terphenyl | 48.0 | 50.2 | 96 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 19:08

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 98.2 | 100 | 98 | 70-135 | |
| o-Terphenyl | 48.8 | 50.2 | 97 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805736

Sample: 371873-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 19:35

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 93.8 | 99.8 | 94 | 70-135 | |
| o-Terphenyl | 46.3 | 49.9 | 93 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 20:02

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.7 | 100 | 95 | 70-135 | |
| o-Terphenyl | 46.3 | 50.1 | 92 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 20:29

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.5 | 100 | 96 | 70-135 | |
| o-Terphenyl | 47.1 | 50.0 | 94 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-007 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 20:56

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.8 | 100 | 95 | 70-135 | |
| o-Terphenyl | 47.9 | 50.2 | 95 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-008 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 21:23

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.5 | 99.8 | 96 | 70-135 | |
| o-Terphenyl | 47.9 | 49.9 | 96 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805736

Sample: 371873-009 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 21:50

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.3 | 100 | 94 | 70-135 | |
| o-Terphenyl | 46.8 | 50.1 | 93 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-010 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 22:16

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.5 | 99.8 | 96 | 70-135 | |
| o-Terphenyl | 47.5 | 49.9 | 95 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-011 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 23:11

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.3 | 99.8 | 95 | 70-135 | |
| o-Terphenyl | 47.5 | 49.9 | 95 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-012 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 23:38

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.3 | 99.8 | 94 | 70-135 | |
| o-Terphenyl | 47.3 | 49.9 | 95 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-013 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 00:05

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.8 | 99.5 | 95 | 70-135 | |
| o-Terphenyl | 47.3 | 49.8 | 95 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805736

Sample: 371873-014 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 00:32

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.0 | 101 | 94 | 70-135 | |
| o-Terphenyl | 47.5 | 50.3 | 94 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-015 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 00:59

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 96.3 | 99.5 | 97 | 70-135 | |
| o-Terphenyl | 47.9 | 49.8 | 96 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-016 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 01:26

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 92.9 | 99.5 | 93 | 70-135 | |
| o-Terphenyl | 46.1 | 49.8 | 93 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-017 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 01:53

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 90.5 | 100 | 91 | 70-135 | |
| o-Terphenyl | 46.3 | 50.0 | 93 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-018 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 02:20

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.0 | 100 | 94 | 70-135 | |
| o-Terphenyl | 47.2 | 50.0 | 94 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805736

Sample: 371873-019 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 02:48

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 98.2 | 99.5 | 99 | 70-135 | |
| o-Terphenyl | 48.6 | 49.8 | 98 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-020 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 03:15

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 94.8 | 100 | 95 | 70-135 | |
| o-Terphenyl | 47.1 | 50.0 | 94 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-020 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 03:42

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 123 | 100 | 123 | 70-135 | |
| o-Terphenyl | 48.2 | 50.1 | 96 | 70-135 | |

Lab Batch #: 805736

Sample: 371873-020 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 04:09

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 119 | 99.5 | 120 | 70-135 | |
| o-Terphenyl | 47.2 | 49.8 | 95 | 70-135 | |

Lab Batch #: 805752

Sample: 562796-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/07/10 20:43

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 98.2 | 100 | 98 | 70-135 | |
| o-Terphenyl | 45.0 | 50.2 | 90 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805752

Sample: 562796-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/07/10 21:46

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 84.6 | 99.6 | 85 | 70-135 | |
| o-Terphenyl | 46.9 | 49.8 | 94 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-021 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 22:16

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 82.0 | 100 | 82 | 70-135 | |
| o-Terphenyl | 44.6 | 50.1 | 89 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-022 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 22:46

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 81.3 | 99.9 | 81 | 70-135 | |
| o-Terphenyl | 44.3 | 50.0 | 89 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-023 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 23:15

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 105 | 100 | 105 | 70-135 | |
| o-Terphenyl | 57.9 | 50.2 | 115 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-024 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/07/10 23:44

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 104 | 100 | 104 | 70-135 | |
| o-Terphenyl | 57.3 | 50.0 | 115 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805752

Sample: 371873-025 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 00:15

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 87.9 | 99.5 | 88 | 70-135 | |
| o-Terphenyl | 48.0 | 49.8 | 96 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-026 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 00:46

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.0 | 100 | 97 | 70-135 | |
| o-Terphenyl | 53.2 | 50.0 | 106 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-027 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 01:18

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 101 | 100 | 101 | 70-135 | |
| o-Terphenyl | 55.2 | 50.0 | 110 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-028 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 01:50

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 93.7 | 99.5 | 94 | 70-135 | |
| o-Terphenyl | 50.8 | 49.8 | 102 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-029 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 02:22

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.0 | 100 | 95 | 70-135 | |
| o-Terphenyl | 52.4 | 50.1 | 105 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805752

Sample: 371873-030 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 02:53

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 95.9 | 99.6 | 96 | 70-135 | |
| o-Terphenyl | 52.0 | 49.8 | 104 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-031 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 03:54

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 87.8 | 99.8 | 88 | 70-135 | |
| o-Terphenyl | 48.2 | 49.9 | 97 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-032 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 04:25

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 83.0 | 100 | 83 | 70-135 | |
| o-Terphenyl | 45.5 | 50.1 | 91 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-033 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 04:56

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 101 | 100 | 101 | 70-135 | |
| o-Terphenyl | 55.5 | 50.1 | 111 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-034 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 05:29

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 90.1 | 99.5 | 91 | 70-135 | |
| o-Terphenyl | 49.5 | 49.8 | 99 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 371873,

Project ID:

Lab Batch #: 805752

Sample: 371873-034 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 08:09

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 93.2 | 99.6 | 94 | 70-135 | |
| o-Terphenyl | 42.7 | 49.8 | 86 | 70-135 | |

Lab Batch #: 805752

Sample: 371873-034 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 05/08/10 08:42

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 97.9 | 100 | 98 | 70-135 | |
| o-Terphenyl | 44.8 | 50.2 | 89 | 70-135 | |

Lab Batch #: 805752

Sample: 562796-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 05/10/10 11:00

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 118 | 100 | 118 | 70-135 | |
| o-Terphenyl | 53.6 | 50.2 | 107 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: LR Chamberlain Tank Battery

Work Order #: 371873

Analyst: ASA

Lab Batch ID: 805828

Sample: 562820-1-BKS

Batch #: 1

Date Prepared: 05/08/2010

Project ID:

Date Analyzed: 05/08/2010

Matrix: Solid

Units: mg/kg

| BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | | |
|--|-------------------------|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| BTEX by EPA 8021B | | | | | | | | | | | |
| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Benzene | ND | 0.1000 | 0.1042 | 104 | 0.1 | 0.1056 | 106 | 1 | 70-130 | 35 | |
| Toluene | ND | 0.1000 | 0.1006 | 101 | 0.1 | 0.1013 | 101 | 1 | 70-130 | 35 | |
| Ethylbenzene | ND | 0.1000 | 0.1051 | 105 | 0.1 | 0.1055 | 106 | 0 | 71-129 | 35 | |
| m,p-Xylenes | ND | 0.2000 | 0.2026 | 101 | 0.2 | 0.2032 | 102 | 0 | 70-135 | 35 | |
| o-Xylene | ND | 0.1000 | 0.0970 | 97 | 0.1 | 0.0973 | 97 | 0 | 71-133 | 35 | |

Analyst: ASA

Lab Batch ID: 805963

Sample: 562918-1-BKS

Date Prepared: 05/10/2010

Batch #: 1

Date Analyzed: 05/10/2010

Matrix: Solid

Units: mg/kg

| BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | | |
|--|-------------------------|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| BTEX by EPA 8021B | | | | | | | | | | | |
| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Benzene | ND | 0.1000 | 0.0861 | 86 | 0.1 | 0.0857 | 86 | 0 | 70-130 | 35 | |
| Toluene | ND | 0.1000 | 0.0896 | 90 | 0.1 | 0.0891 | 89 | 1 | 70-130 | 35 | |
| Ethylbenzene | ND | 0.1000 | 0.0872 | 87 | 0.1 | 0.0867 | 87 | 1 | 71-129 | 35 | |
| m,p-Xylenes | ND | 0.2000 | 0.1948 | 97 | 0.2 | 0.1938 | 97 | 1 | 70-135 | 35 | |
| o-Xylene | ND | 0.1000 | 0.0964 | 96 | 0.1 | 0.0959 | 96 | 1 | 71-133 | 35 | |

Relative Percent Difference RPD = $200 * (C-F) / (C+F)$
 Blank Spike Recovery [D] = $100 * (C) / [B]$
 Blank Spike Duplicate Recovery [G] = $100 * (F) / [E]$
 All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: LR Chamberlain Tank Battery

Work Order #: 371873

Analyst: LATCOR

Lab Batch ID: 806338

Sample: 806338-1-BKS

Date Prepared: 05/12/2010

Batch #: 1

Project ID:
Date Analyzed: 05/12/2010

Matrix: Solid

Units: mg/kg

| BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | | |
|--|-------------------------|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Chloride | ND | 10.0 | 9.94 | 99 | 10 | 9.82 | 98 | 1 | 75-125 | 20 | |

Analyst: LATCOR

Lab Batch ID: 806340

Sample: 806340-1-BKS

Date Prepared: 05/12/2010

Batch #: 1

Date Analyzed: 05/12/2010

Matrix: Solid

Units: mg/kg

| BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | | |
|--|-------------------------|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Chloride | ND | 10.0 | 10.4 | 104 | 10 | 9.90 | 99 | 5 | 75-125 | 20 | |

Analyst: BEV

Lab Batch ID: 805736

Sample: 562786-1-BKS

Date Prepared: 05/07/2010

Batch #: 1

Date Analyzed: 05/07/2010

Matrix: Solid

Units: mg/kg

| BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | | |
|--|-------------------------|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| C6-C12 Gasoline Range Hydrocarbons | ND | 1000 | 1120 | 112 | 1000 | 1110 | 111 | 1 | 70-135 | 35 | |
| C12-C28 Diesel Range Hydrocarbons | ND | 1000 | 724 | 72 | 1000 | 774 | 77 | 7 | 70-135 | 35 | |

Relative Percent Difference RPD = 200*(C-F)/(C+F)
 Blank Spike Recovery [D] = 100*(C)/[B]
 Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
 All results are based on MDL and Validated for QC Purposes

Project Name: LR Chamberlain Tank Battery

Work Order #: 371873

Analyst: BEV

Lab Batch ID: 805752

Sample: 562796-1-BKS

Date Prepared: 05/07/2010

Project ID:

Date Analyzed: 05/07/2010

Batch #: 1

Matrix: Solid

Units: mg/kg

| BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | | |
|---|-------------------------|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| C6-C12 Gasoline Range Hydrocarbons | ND | 1000 | 1050 | 105 | 1000 | 1220 | 122 | 15 | 70-135 | 35 | |
| C12-C28 Diesel Range Hydrocarbons | ND | 1000 | 813 | 81 | 1000 | 891 | 89 | 9 | 70-135 | 35 | |

TPH By SW8015 Mod

Relative Percent Difference RPD = $200 * (C-F) / (C+F)$
 Blank Spike Recovery [D] = $100 * (C) / [B]$
 Blank Spike Duplicate Recovery [G] = $100 * (F) / [E]$
 All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: LR Chamberlain Tank Battery

Work Order #: 371873
Lab Batch #: 806338
Date Analyzed: 05/12/2010
QC- Sample ID: 371873-001 S
Reporting Units: mg/kg

Date Prepared: 05/12/2010

Project ID:
Analyst: LATCOR

Batch #: 1 Matrix: Soil

| MATRIX / MATRIX SPIKE RECOVERY STUDY | | | | | | |
|--------------------------------------|--------------------------|-----------------|--------------------------|--------|-------------------|------|
| Inorganic Anions by EPA 300 | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | %R [D] | Control Limits %R | Flag |
| Analytes | | | | | | |
| Chloride | 1180 | 460 | 1680 | 109 | 75-125 | |

Lab Batch #: 806340
Date Analyzed: 05/12/2010
QC- Sample ID: 371873-021 S
Reporting Units: mg/kg

Date Prepared: 05/12/2010

Analyst: LATCOR

Batch #: 1 Matrix: Soil

| MATRIX / MATRIX SPIKE RECOVERY STUDY | | | | | | |
|--------------------------------------|--------------------------|-----------------|--------------------------|--------|-------------------|------|
| Inorganic Anions by EPA 300 | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | %R [D] | Control Limits %R | Flag |
| Analytes | | | | | | |
| Chloride | 497 | 225 | 687 | 84 | 75-125 | |

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes

BRL - Below Reporting Limit

Project Name: LR Chamberlain Tank Battery

Work Order #: 371873

Project ID:

Lab Batch ID: 805828

QC- Sample ID: 371873-020 S

Batch #: 1 Matrix: Soil

Date Analyzed: 05/09/2010

Date Prepared: 05/08/2010

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| Analytes | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | |
|--------------|--|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Benzene | ND | 0.1213 | 0.0905 | 75 | 0.1208 | 0.0778 | 64 | 15 | 70-130 | 35 | X |
| Toluene | ND | 0.1213 | 0.0875 | 72 | 0.1208 | 0.0763 | 63 | 14 | 70-130 | 35 | X |
| Ethylbenzene | ND | 0.1213 | 0.0884 | 73 | 0.1208 | 0.0780 | 65 | 13 | 71-129 | 35 | X |
| m,p-Xylenes | ND | 0.2426 | 0.1700 | 70 | 0.2416 | 0.1521 | 63 | 11 | 70-135 | 35 | X |
| o-Xylene | ND | 0.1213 | 0.0830 | 68 | 0.1208 | 0.0734 | 61 | 12 | 71-133 | 35 | X |

Lab Batch ID: 805963

QC- Sample ID: 371873-021 S

Batch #: 1 Matrix: Soil

Date Analyzed: 05/10/2010

Date Prepared: 05/10/2010

Analyst: ASA

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| Analytes | MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | |
|--------------|--|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Benzene | ND | 0.1130 | 0.0752 | 67 | 0.1135 | 0.0732 | 64 | 3 | 70-130 | 35 | X |
| Toluene | ND | 0.1130 | 0.0654 | 58 | 0.1135 | 0.0644 | 57 | 2 | 70-130 | 35 | X |
| Ethylbenzene | ND | 0.1130 | 0.0765 | 68 | 0.1135 | 0.0678 | 60 | 12 | 71-129 | 35 | X |
| m,p-Xylenes | ND | 0.2261 | 0.1703 | 75 | 0.2270 | 0.1470 | 65 | 15 | 70-135 | 35 | X |
| o-Xylene | ND | 0.1130 | 0.1278 | 113 | 0.1135 | 0.0832 | 73 | 42 | 71-133 | 35 | F |

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(C-F)/(C+F)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable, N = See Narrative, EQL = Estimated Quantitation Limit



Form 3 - MS / MSD Recoveries



Project Name: LR Chamberlain Tank Battery

Work Order #: 371873

Project ID:

Lab Batch ID: 805736

QC-Sample ID: 371873-020 S

Batch #: 1 Matrix: Soil

Date Analyzed: 05/08/2010

Date Prepared: 05/07/2010

Analyst: BEV

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|-----------------------------------|------------------------------------|-----------------|--------------------------|----------------------|-----------------|--------------------------|--------------------|-------|-------------------|---------------------|------|
| | C6-C12 Gasoline Range Hydrocarbons | ND | 1210 | 1430 | 118 | 1200 | 1390 | 116 | 3 | 70-135 | 35 |
| C12-C28 Diesel Range Hydrocarbons | ND | 1210 | 1130 | 93 | 1200 | 909 | 76 | 22 | 70-135 | 35 | |

Lab Batch ID: 805752

QC-Sample ID: 371873-034 S

Batch #: 1 Matrix: Soil

Date Analyzed: 05/08/2010

Date Prepared: 05/07/2010

Analyst: BEV

Reporting Units: mg/kg

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|-----------------------------------|------------------------------------|-----------------|--------------------------|----------------------|-----------------|--------------------------|--------------------|-------|-------------------|---------------------|------|
| | C6-C12 Gasoline Range Hydrocarbons | ND | 1170 | 1160 | 99 | 1180 | 1260 | 107 | 8 | 70-135 | 35 |
| C12-C28 Diesel Range Hydrocarbons | ND | 1170 | 895 | 76 | 1180 | 839 | 71 | 6 | 70-135 | 35 | |

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(C-F)/(C+F)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable, N = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: LR Chamberlain Tank Battery

Work Order #: 371873

Lab Batch #: 806338
 Date Analyzed: 05/12/2010
 QC- Sample ID: 371873-001 D
 Reporting Units: mg/kg

Project ID:
 Analyst: LATCOR

Date Prepared: 05/12/2010
 Batch #: 1
 Matrix: Soil

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Anions by E300 | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Chloride | 1180 | 1170 | 1 | 20 | |

Lab Batch #: 806340
 Date Analyzed: 05/12/2010
 QC- Sample ID: 371873-021 D
 Reporting Units: mg/kg

Project ID:
 Analyst: LATCOR

Date Prepared: 05/12/2010
 Batch #: 1
 Matrix: Soil

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Anions by E300 | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Chloride | 497 | 487 | 2 | 20 | |

Lab Batch #: 805744
 Date Analyzed: 05/07/2010
 QC- Sample ID: 371873-001 D
 Reporting Units: %

Project ID:
 Analyst: JLG

Date Prepared: 05/07/2010
 Batch #: 1
 Matrix: Soil

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Percent Moisture | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Percent Moisture | 13.0 | 13.7 | 6 | 20 | |

Lab Batch #: 805751
 Date Analyzed: 05/07/2010
 QC- Sample ID: 371873-021 D
 Reporting Units: %

Project ID:
 Analyst: JLG

Date Prepared: 05/07/2010
 Batch #: 1
 Matrix: Soil

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Percent Moisture | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Percent Moisture | 11.0 | 9.94 | 10 | 20 | |

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
 All Results are based on MDL and validated for QC purposes.
 BRL - Below Reporting Limit

Environmental Lab of Texas

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Camille Bryant

Company Name: Basin Environmental Consulting, LLC

Company Address: P. O. Box 381

City/State/Zip: Livingston, NM 89260

Telephone No: (575) 605-7210

Sampler Signature: C.A.D.S. for C.S. Bryant Email: cibryant@basin-consulting.com

Project Name: LR Chamberlain Tank Battery

Project #:

Project Loc: Lea County, NM

PO #: Please bill Basin Consulting

Report Format: Standard TRRP NPDES

Fax No: (505) 396-1429

Field Filled

Total # of Containers

Matrix

Preservation & # of Containers

Time Sampled

Date Sampled

Ending Depth

Beginning Depth

Field Filled

Date Sampled

Time Sampled

Ending Depth

Beginning Depth

Field Filled

Date Sampled

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Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin ENV.
 Date/ Time: 5.6.10 17.08
 Lab ID #: 371873
 Initials: AL

Sample Receipt Checklist

| | | | | Client Initials |
|--|--------------------------------------|----|---------------------------|-----------------|
| #1 Temperature of container/ cooler? | <input checked="" type="radio"/> Yes | No | 4.6 °C | |
| #2 Shipping container in good condition? | <input checked="" type="radio"/> Yes | No | | |
| #3 Custody Seals intact on shipping container/ cooler? | Yes | No | Not Present | |
| #4 Custody Seals intact on sample bottles/ container? | <input checked="" type="radio"/> Yes | No | Not Present | |
| #5 Chain of Custody present? | <input checked="" type="radio"/> Yes | No | | |
| #6 Sample instructions complete of Chain of Custody? | <input checked="" type="radio"/> Yes | No | | |
| #7 Chain of Custody signed when relinquished/ received? | <input checked="" type="radio"/> Yes | No | | |
| #8 Chain of Custody agrees with sample label(s)? | <input checked="" type="radio"/> Yes | No | ID written on Cont./ Lid | |
| #9 Container label(s) legible and intact? | <input checked="" type="radio"/> Yes | No | Not Applicable | |
| #10 Sample matrix/ properties agree with Chain of Custody? | <input checked="" type="radio"/> Yes | No | | |
| #11 Containers supplied by ELOT? | <input checked="" type="radio"/> Yes | No | | |
| #12 Samples in proper container/ bottle? | <input checked="" type="radio"/> Yes | No | See Below | |
| #13 Samples properly preserved? | <input checked="" type="radio"/> Yes | No | See Below | |
| #14 Sample bottles intact? | <input checked="" type="radio"/> Yes | No | | |
| #15 Preservations documented on Chain of Custody? | <input checked="" type="radio"/> Yes | No | | |
| #16 Containers documented on Chain of Custody? | <input checked="" type="radio"/> Yes | No | | |
| #17 Sufficient sample amount for indicated test(s)? | <input checked="" type="radio"/> Yes | No | See Below | |
| #18 All samples received within sufficient hold time? | <input checked="" type="radio"/> Yes | No | See Below | |
| #19 Subcontract of sample(s)? | Yes | No | Not Applicable | |
| #20 VOC samples have zero headspace? | <input checked="" type="radio"/> Yes | No | Not Applicable | |

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that Apply:
- See attached e-mail/ fax
 - Client understands and would like to proceed with analysis
 - Cooling process had begun shortly after sampling event

Analytical Report 379583

for

Basin Environmental Consulting, LLC

Project Manager: Camille Bryant

LR Chamberlain Tank Battery

02-JUL-10



12600 West I-20 East Odessa, Texas 79765

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):

Florida (E87429), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370)

Xenco-Boca Raton (EPA Lab Code: FL00449):

Florida(E86240),South Carolina(96031001), Louisiana(04154), Georgia(917)
North Carolina(444), Texas(T104704468-TX), Illinois(002295), Florida(E86349)

02-JUL-10

Project Manager: **Camille Bryant**
Basin Environmental Consulting, LLC
P.O. Box 381
Lovington, NM 88260

Reference: XENCO Report No: **379583**
LR Chamberlain Tank Battery
Project Address: Lea County, NM

Camille Bryant:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 379583. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 379583 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,



Brent Barron, II

Odessa Laboratory Manager

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Sample Cross Reference 379583



Basin Environmental Consulting, LLC, Lovington, NM

LR Chamberlain Tank Battery

| Sample Id | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|------------------|---------------|-----------------------|---------------------|----------------------|
| SB-1 @ 5' | S | Jun-29-10 09:00 | | 379583-001 |
| SB-1 @ 10' | S | Jun-29-10 09:20 | | 379583-002 |
| SB-1 @ 15' | S | Jun-29-10 09:40 | | 379583-003 |
| SB-1 @ 20' | S | Jun-29-10 10:00 | | 379583-004 |
| SB-1 @ 25' | S | Jun-29-10 10:20 | | 379583-005 |
| SB-1 @ 30' | S | Jun-29-10 10:40 | | 379583-006 |



CASE NARRATIVE

Client Name: Basin Environmental Consulting, LLC

Project Name: LR Chamberlain Tank Battery



Project ID:
Work Order Number: 379583

Report Date: 02-JUL-10
Date Received: 06/30/2010

Sample receipt non conformances and Comments:

None

Sample receipt Non Conformances and Comments per Sample:

None

Analytical Non Conformances and Comments:

Batch: LBA-812913 Percent Moisture

None

Batch: LBA-812925 Inorganic Anions by EPA 300

None

Batch: LBA-812933 BTEX by EPA 8021B

SW8021BM

Batch 812933, Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.

Samples affected are: 379583-004, -001, -003, -005, -002, -006.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Benzene, Ethylbenzene, o-Xylene is within laboratory Control Limits

Batch: LBA-813037 TPH By SW8015 Mod

None

Certificate of Analysis Summary 379583
Basin Environmental Consulting, LLC, Lovington, NM
Project Name: LR Chamberlain Tank Battery



Project Id: Contact: Camille Bryant
Project Location: Lea County, NM
Date Received in Lab: Wed Jun-30-10 11:44 am
Report Date: 02-JUL-10
Project Manager: Brent Barron, II

| Analysis Requested | Lab Id: | Field Id: | Depth: | Matrix: | Sampled: | 379583-001 | 379583-002 | 379583-003 | 379583-004 | 379583-005 | 379583-006 |
|---|------------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Anions by E300 | SB-1 @ 5' | SOIL | Jun-29-10 09:00 | Jun-29-10 09:20 | Jun-29-10 09:40 | Jun-29-10 10:00 | Jun-29-10 10:20 | Jun-30-10 16:16 | Jun-30-10 17:07 | Jun-30-10 17:24 | Jun-30-10 17:41 |
| | mg/kg | RL | 2170 | 1250 | 778 | 169 | 72.7 | 48.1 | 8.82 | 4.52 | 103 |
| | | RL | 48.1 | 23.6 | 18.7 | 8.82 | 4.52 | 4.46 | | | |
| BTEX by EPA 8021B | SB-1 @ 10' | SOIL | Jun-29-10 09:00 | Jun-29-10 09:20 | Jun-29-10 09:40 | Jun-29-10 10:00 | Jun-29-10 10:20 | Jun-30-10 16:16 | Jun-30-10 17:07 | Jun-30-10 17:24 | Jun-30-10 17:41 |
| | mg/kg | RL | 2170 | 1250 | 778 | 169 | 72.7 | 48.1 | 8.82 | 4.52 | 103 |
| | | RL | 48.1 | 23.6 | 18.7 | 8.82 | 4.52 | 4.46 | | | |
| Percent Moisture | SB-1 @ 15' | SOIL | Jun-29-10 09:00 | Jun-29-10 09:20 | Jun-29-10 09:40 | Jun-29-10 10:00 | Jun-29-10 10:20 | Jun-30-10 16:16 | Jun-30-10 17:07 | Jun-30-10 17:24 | Jun-30-10 17:41 |
| | mg/kg | RL | 2170 | 1250 | 778 | 169 | 72.7 | 48.1 | 8.82 | 4.52 | 103 |
| | | RL | 48.1 | 23.6 | 18.7 | 8.82 | 4.52 | 4.46 | | | |
| TPH By SW8015 Mod | SB-1 @ 20' | SOIL | Jun-29-10 09:00 | Jun-29-10 09:20 | Jun-29-10 09:40 | Jun-29-10 10:00 | Jun-29-10 10:20 | Jun-30-10 16:16 | Jun-30-10 17:07 | Jun-30-10 17:24 | Jun-30-10 17:41 |
| | mg/kg | RL | 2170 | 1250 | 778 | 169 | 72.7 | 48.1 | 8.82 | 4.52 | 103 |
| | | RL | 48.1 | 23.6 | 18.7 | 8.82 | 4.52 | 4.46 | | | |
| C6-C12 Gasoline Range Hydrocarbons | SB-1 @ 25' | SOIL | Jun-29-10 09:00 | Jun-29-10 09:20 | Jun-29-10 09:40 | Jun-29-10 10:00 | Jun-29-10 10:20 | Jun-30-10 16:16 | Jun-30-10 17:07 | Jun-30-10 17:24 | Jun-30-10 17:41 |
| | mg/kg | RL | 2170 | 1250 | 778 | 169 | 72.7 | 48.1 | 8.82 | 4.52 | 103 |
| | | RL | 48.1 | 23.6 | 18.7 | 8.82 | 4.52 | 4.46 | | | |
| C12-C28 Diesel Range Hydrocarbons | SB-1 @ 25' | SOIL | Jun-29-10 09:00 | Jun-29-10 09:20 | Jun-29-10 09:40 | Jun-29-10 10:00 | Jun-29-10 10:20 | Jun-30-10 16:16 | Jun-30-10 17:07 | Jun-30-10 17:24 | Jun-30-10 17:41 |
| | mg/kg | RL | 2170 | 1250 | 778 | 169 | 72.7 | 48.1 | 8.82 | 4.52 | 103 |
| | | RL | 48.1 | 23.6 | 18.7 | 8.82 | 4.52 | 4.46 | | | |
| C28-C35 Oil Range Hydrocarbons | SB-1 @ 25' | SOIL | Jun-29-10 09:00 | Jun-29-10 09:20 | Jun-29-10 09:40 | Jun-29-10 10:00 | Jun-29-10 10:20 | Jun-30-10 16:16 | Jun-30-10 17:07 | Jun-30-10 17:24 | Jun-30-10 17:41 |
| | mg/kg | RL | 2170 | 1250 | 778 | 169 | 72.7 | 48.1 | 8.82 | 4.52 | 103 |
| | | RL | 48.1 | 23.6 | 18.7 | 8.82 | 4.52 | 4.46 | | | |
| Total TPH | SB-1 @ 25' | SOIL | Jun-29-10 09:00 | Jun-29-10 09:20 | Jun-29-10 09:40 | Jun-29-10 10:00 | Jun-29-10 10:20 | Jun-30-10 16:16 | Jun-30-10 17:07 | Jun-30-10 17:24 | Jun-30-10 17:41 |
| | mg/kg | RL | 2170 | 1250 | 778 | 169 | 72.7 | 48.1 | 8.82 | 4.52 | 103 |
| | | RL | 48.1 | 23.6 | 18.7 | 8.82 | 4.52 | 4.46 | | | |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Brent Barron, II
Odessa Laboratory Manager

Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the MQL and above the SQL.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.
- BRL** Below Reporting Limit.
- RL** Reporting Limit
- MDL** Method Detection Limit
- PQL** Practical Quantitation Limit
- * Outside XENCO's scope of NELAC Accreditation.

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| 4143 Greenbriar Dr, Stafford, Tx 77477 | (281) 240-4200 | (281) 240-4280 |
| 9701 Harry Hines Blvd , Dallas, TX 75220 | (214) 902 0300 | (214) 351-9139 |
| 5332 Blackberry Drive, San Antonio TX 78238 | (210) 509-3334 | (210) 509-3335 |
| 2505 North Falkenburg Rd, Tampa, FL 33619 | (813) 620-2000 | (813) 620-2033 |
| 5757 NW 158th St, Miami Lakes, FL 33014 | (305) 823-8500 | (305) 823-8555 |
| 12600 West I-20 East, Odessa, TX 79765 | (432) 563-1800 | (432) 563-1713 |
| 842 Cantwell Lane, Corpus Christi, TX 78408 | (361) 884-0371 | (361) 884-9116 |



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 379583,

Project ID:

Lab Batch #: 812933

Sample: 567101-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 06/30/10 15:08

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0306 | 0.0300 | 102 | 80-120 | |
| 4-Bromofluorobenzene | 0.0287 | 0.0300 | 96 | 80-120 | |

Lab Batch #: 812933

Sample: 567101-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 06/30/10 15:31

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0309 | 0.0300 | 103 | 80-120 | |
| 4-Bromofluorobenzene | 0.0295 | 0.0300 | 98 | 80-120 | |

Lab Batch #: 812933

Sample: 567101-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 06/30/10 16:39

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0256 | 0.0300 | 85 | 80-120 | |
| 4-Bromofluorobenzene | 0.0297 | 0.0300 | 99 | 80-120 | |

Lab Batch #: 812933

Sample: 379583-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 17:02

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0257 | 0.0300 | 86 | 80-120 | |
| 4-Bromofluorobenzene | 0.0290 | 0.0300 | 97 | 80-120 | |

Lab Batch #: 812933

Sample: 379583-001 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 17:23

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0287 | 0.0300 | 96 | 80-120 | |
| 4-Bromofluorobenzene | 0.0286 | 0.0300 | 95 | 80-120 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 379583,

Project ID:

Lab Batch #: 812933

Sample: 379583-001 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 17:46

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0292 | 0.0300 | 97 | 80-120 | |
| 4-Bromofluorobenzene | 0.0289 | 0.0300 | 96 | 80-120 | |

Lab Batch #: 812933

Sample: 379583-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 18:31

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0260 | 0.0300 | 87 | 80-120 | |
| 4-Bromofluorobenzene | 0.0318 | 0.0300 | 106 | 80-120 | |

Lab Batch #: 812933

Sample: 379583-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 18:53

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0257 | 0.0300 | 86 | 80-120 | |
| 4-Bromofluorobenzene | 0.0306 | 0.0300 | 102 | 80-120 | |

Lab Batch #: 812933

Sample: 379583-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 19:16

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0256 | 0.0300 | 85 | 80-120 | |
| 4-Bromofluorobenzene | 0.0294 | 0.0300 | 98 | 80-120 | |

Lab Batch #: 812933

Sample: 379583-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 19:38

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0257 | 0.0300 | 86 | 80-120 | |
| 4-Bromofluorobenzene | 0.0306 | 0.0300 | 102 | 80-120 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 379583,

Project ID:

Lab Batch #: 812933

Sample: 379583-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 20:01

SURROGATE RECOVERY STUDY

| BTEX by EPA 8021B Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1,4-Difluorobenzene | 0.0255 | 0.0300 | 85 | 80-120 | |
| 4-Bromofluorobenzene | 0.0298 | 0.0300 | 99 | 80-120 | |

Lab Batch #: 813037

Sample: 567144-1-BKS / BKS

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 06/30/10 17:49

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 120 | 99.9 | 120 | 70-135 | |
| o-Terphenyl | 63.2 | 50.0 | 126 | 70-135 | |

Lab Batch #: 813037

Sample: 567144-1-BSD / BSD

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 06/30/10 18:19

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 110 | 99.6 | 110 | 70-135 | |
| o-Terphenyl | 53.7 | 49.8 | 108 | 70-135 | |

Lab Batch #: 813037

Sample: 567144-1-BLK / BLK

Batch: 1 Matrix: Solid

Units: mg/kg

Date Analyzed: 06/30/10 18:49

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 98.4 | 99.8 | 99 | 70-135 | |
| o-Terphenyl | 57.4 | 49.9 | 115 | 70-135 | |

Lab Batch #: 813037

Sample: 379583-001 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 19:19

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 101 | 100 | 101 | 70-135 | |
| o-Terphenyl | 58.4 | 50.0 | 117 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 379583,

Project ID:

Lab Batch #: 813037

Sample: 379583-002 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 19:48

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 87.7 | 99.5 | 88 | 70-135 | |
| o-Terphenyl | 50.5 | 49.8 | 101 | 70-135 | |

Lab Batch #: 813037

Sample: 379583-003 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 20:18

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 90.7 | 101 | 90 | 70-135 | |
| o-Terphenyl | 52.2 | 50.3 | 104 | 70-135 | |

Lab Batch #: 813037

Sample: 379583-004 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 20:47

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 89.5 | 100 | 90 | 70-135 | |
| o-Terphenyl | 50.9 | 50.2 | 101 | 70-135 | |

Lab Batch #: 813037

Sample: 379583-005 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 21:17

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 99.2 | 99.5 | 100 | 70-135 | |
| o-Terphenyl | 57.3 | 49.8 | 115 | 70-135 | |

Lab Batch #: 813037

Sample: 379583-006 / SMP

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 06/30/10 21:48

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 93.6 | 99.5 | 94 | 70-135 | |
| o-Terphenyl | 53.4 | 49.8 | 107 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.



Form 2 - Surrogate Recoveries

Project Name: LR Chamberlain Tank Battery

Work Orders : 379583,

Project ID:

Lab Batch #: 813037

Sample: 379583-002 S / MS

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/01/10 13:40

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 112 | 100 | 112 | 70-135 | |
| o-Terphenyl | 54.7 | 50.2 | 109 | 70-135 | |

Lab Batch #: 813037

Sample: 379583-002 SD / MSD

Batch: 1 Matrix: Soil

Units: mg/kg

Date Analyzed: 07/01/10 14:09

SURROGATE RECOVERY STUDY

| TPH By SW8015 Mod Analytes | Amount Found [A] | True Amount [B] | Recovery %R [D] | Control Limits %R | Flags |
|-------------------------------|------------------|-----------------|-----------------|-------------------|-------|
| 1-Chlorooctane | 112 | 100 | 112 | 70-135 | |
| o-Terphenyl | 53.4 | 50.2 | 106 | 70-135 | |

* Surrogate outside of Laboratory QC limits

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = $100 * A / B$

All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: LR Chamberlain Tank Battery

Work Order #: 379583

Project ID:

Analyst: ASA

Date Analyzed: 06/30/2010

Date Prepared: 06/30/2010

Lab Batch ID: 812933

Batch #: 1

Sample: 567101-1-BKS

Matrix: Solid

Units: mg/kg

| BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | | |
|--|-------------------------|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| BTEX by EPA 8021B | | | | | | | | | | | |
| Benzene | ND | 0.1000 | 0.1096 | 110 | 0.1 | 0.1150 | 115 | 5 | 70-130 | 35 | |
| Toluene | ND | 0.1000 | 0.1006 | 101 | 0.1 | 0.1058 | 106 | 5 | 70-130 | 35 | |
| Ethylbenzene | ND | 0.1000 | 0.1054 | 105 | 0.1 | 0.1113 | 111 | 5 | 71-129 | 35 | |
| m,p-Xylenes | ND | 0.2000 | 0.2136 | 107 | 0.2 | 0.2253 | 113 | 5 | 70-135 | 35 | |
| o-Xylene | ND | 0.1000 | 0.1042 | 104 | 0.1 | 0.1108 | 111 | 6 | 71-133 | 35 | |

Analyst: LATCOR

Date Prepared: 06/30/2010

Date Analyzed: 06/30/2010

Lab Batch ID: 812925

Batch #: 1

Sample: 812925-1-BKS

Matrix: Solid

Units: mg/kg

| BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY | | | | | | | | | | | |
|--|-------------------------|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|-------|-------------------|---------------------|------|
| Analytes | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
| Anions by E300 | | | | | | | | | | | |
| Chloride | ND | 11.0 | 11.3 | 103 | 11 | 11.3 | 103 | 0 | 75-125 | 20 | |

Relative Percent Difference RPD = $200 * (C-F) / (C+F)$
 Blank Spike Recovery [D] = $100 * (C) / [B]$
 Blank Spike Duplicate Recovery [G] = $100 * (F) / [E]$
 All results are based on MDL and Validated for QC Purposes

BS / BSD Recoveries

Project Name: LR Chamberlain Tank Battery

Work Order #: 379583

Analyst: BEV

Lab Batch ID: 813037

Sample: 567144-1-BKS

Date Prepared: 06/30/2010

Batch #: 1

Project ID:

Date Analyzed: 06/30/2010

Matrix: Solid

Units: mg/kg

BLANK/BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

| Analytes | TPH By SW8015 Mod | Blank Sample Result [A] | Spike Added [B] | Blank Spike Result [C] | Blank Spike %R [D] | Spike Added [E] | Blank Spike Duplicate Result [F] | Blk. Spk Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|-----------------------------------|-------------------|------------------------------------|-----------------|------------------------|--------------------|-----------------|----------------------------------|----------------------|--------|-------------------|---------------------|------|
| | | C6-C12 Gasoline Range Hydrocarbons | ND | 999 | 1200 | 120 | 996 | 999 | 100 | 18 | 70-135 | 35 |
| C12-C28 Diesel Range Hydrocarbons | ND | 999 | 858 | 86 | 996 | 813 | 82 | 5 | 70-135 | 35 | | |

Relative Percent Difference RPD = $200 * (C-F) / (C+F)$
 Blank Spike Recovery [D] = $100 * (C) / [B]$
 Blank Spike Duplicate Recovery [G] = $100 * (F) / [E]$
 All results are based on MDL and Validated for QC Purposes



Form 3 - MS Recoveries



Project Name: LR Chamberlain Tank Battery

Work Order #: 379583
Lab Batch #: 812925
Date Analyzed: 06/30/2010
QC- Sample ID: 379564-001 S
Reporting Units: mg/kg

Date Prepared: 06/30/2010
Batch #: 1
Project ID:
Analyst: LATCOR
Matrix: Soil

| MATRIX / MATRIX SPIKE RECOVERY STUDY | | | | | | |
|--------------------------------------|--------------------------|-----------------|--------------------------|--------|-------------------|------|
| Inorganic Anions by EPA 300 | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | %R [D] | Control Limits %R | Flag |
| Analytes | | | | | | |
| Chloride | 6.53 | 116 | 122 | 100 | 75-125 | |

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference [E] = 200*(C-A)/(C+B)
All Results are based on MDL and Validated for QC Purposes
BRL - Below Reporting Limit

Project Name: LR Chamberlain Tank Battery

Work Order #: 379583

Lab Batch ID: 812933

Date Analyzed: 06/30/2010

Reporting Units: mg/kg

Project ID:

QC- Sample ID: 379583-001 S Batch #: 1 Matrix: Soil

Date Prepared: 06/30/2010 Analyst: ASA

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|--------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| | | | | | | | | | | | |
| Benzene | ND | 0.1150 | 0.0468 | 41 | 0.1145 | 0.0588 | 51 | 23 | 70-130 | 35 | X |
| Toluene | ND | 0.1150 | 0.0382 | 33 | 0.1145 | 0.0440 | 38 | 14 | 70-130 | 35 | X |
| Ethylbenzene | ND | 0.1150 | 0.0325 | 28 | 0.1145 | 0.0335 | 29 | 3 | 71-129 | 35 | X |
| m,p-Xylenes | ND | 0.2300 | 0.0660 | 29 | 0.2291 | 0.0670 | 29 | 2 | 70-135 | 35 | X |
| o-Xylene | ND | 0.1150 | 0.0299 | 26 | 0.1145 | 0.0304 | 27 | 2 | 71-133 | 35 | X |

Lab Batch ID: 813037

Date Analyzed: 07/01/2010

Reporting Units: mg/kg

QC- Sample ID: 379583-002 S

Date Prepared: 06/30/2010

Batch #: 1 Matrix: Soil

Analyst: BEV

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY

| Analytes | Parent Sample Result [A] | Spike Added [B] | Spiked Sample Result [C] | Spiked Sample %R [D] | Spike Added [E] | Duplicate Spiked Sample Result [F] | Spiked Dup. %R [G] | RPD % | Control Limits %R | Control Limits %RPD | Flag |
|------------------------------------|--------------------------|-----------------|--------------------------|----------------------|-----------------|------------------------------------|--------------------|-------|-------------------|---------------------|------|
| | | | | | | | | | | | |
| C6-C12 Gasoline Range Hydrocarbons | ND | 1130 | 1130 | 100 | 1130 | 1120 | 99 | 1 | 70-135 | 35 | |
| C12-C28 Diesel Range Hydrocarbons | ND | 1130 | 1040 | 92 | 1130 | 964 | 85 | 8 | 70-135 | 35 | |

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(C-F)/(C+F)

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not Applicable, N = See Narrative, EQL = Estimated Quantitation Limit

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Sample Duplicate Recovery

Project Name: LR Chamberlain Tank Battery

Work Order #: 379583

Lab Batch #: 812925
Date Analyzed: 06/30/2010
QC- Sample ID: 379564-001 D
Reporting Units: mg/kg

Project ID:
Analyst: LATCOR
Date Prepared: 06/30/2010
Batch #: 1
Matrix: Soil

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Anions by E300 | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Chloride | 6.53 | ND | NC | 20 | |

Lab Batch #: 812913
Date Analyzed: 07/01/2010
QC- Sample ID: 379564-001 D
Reporting Units: %

Date Prepared: 07/01/2010
Analyst: JLG
Batch #: 1
Matrix: Soil

| SAMPLE / SAMPLE DUPLICATE RECOVERY | | | | | |
|------------------------------------|--------------------------|-----------------------------|-----|---------------------|------|
| Percent Moisture | Parent Sample Result [A] | Sample Duplicate Result [B] | RPD | Control Limits %RPD | Flag |
| Analyte | | | | | |
| Percent Moisture | 13.5 | 13.5 | 0 | 20 | |

Spike Relative Difference RPD $200 * |(B-A)/(B+A)|$
 All Results are based on MDL and validated for QC purposes.
 BRL - Below Reporting Limit

Environmental Lab of Texas

12600 West I-20 East
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Camille Bryant
Company Name: Basin Environmental Consulting, LLC
Company Address: P. O. Box 381
City/State/Zip: Lovington, NM 88260
Telephone No: (505) 805-7210
Project Name: LR Chamberlain Tank Battery
Project #: _____
Project Loc: Lea County, NM

PO #: Please bill Basin Consulting
Report Format: Standard TRRP NPDES
Fax No: (505) 396-1429
e-mail: cjbryant@basin-consulting.com

Sampler Signature: Camille Bryant

| LAB # (lab use only) | FIELD CODE | Beginning Depth | Ending Depth | Date Sampled | Time Sampled | Field Filled | Total # of Containers | Preservation & # of Containers | | | | | | Matrix | Analyze For: | |
|----------------------|------------|-----------------|--------------|--------------|--------------|--------------|-----------------------|--------------------------------|------------------|-----|--------------------------------|------|--------------------------------|--------|--------------|--|
| | | | | | | | | Ice | HNO ₃ | HCl | H ₂ SO ₄ | NaOH | Na ₂ O ₂ | | | None |
| 01 | SB-1 @ 5' | | | 29-Jun-10 | 0900 | | 1 | X | | | | | | | Soil | TPH: 418.1 8015M 8015B TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K) Anions (Cl, SO ₄ , Alkalinity) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Se Volatiles Semivolatiles BTEX 8021B/5030 or BTEX 8260 RCI N.O.R.M. Chlorides 300 Standard TAT 4 DAY |
| 02 | SB-1 @ 10' | | | 29-Jun-10 | 0920 | | 1 | X | | | | | | | Soil | |
| 03 | SB-1 @ 15' | | | 29-Jun-10 | 0940 | | 1 | X | | | | | | | Soil | |
| 04 | SB-1 @ 20' | | | 29-Jun-10 | 1000 | | 1 | X | | | | | | | Soil | |
| 05 | SB-1 @ 25' | | | 29-Jun-10 | 1020 | | 1 | X | | | | | | | Soil | |
| 06 | SB-1 @ 30' | | | 29-Jun-10 | 1040 | | 1 | X | | | | | | | Soil | |

Special Instructions:

Relinquished by: Camille Bryant Date: 6-30-10 Time: 9:30
Relinquished by: [Signature] Date: 6-30-10 Time: 11:44
Relinquished by: [Signature] Date: 6-30-10 Time: 11:44

Received by: Coby Reynolds Date: 6-30-10 Time: 8:30
Received by: [Signature] Date: 6-30-10 Time: 11:44
Received by ELOT: Andhua Lam

Laboratory Comments:
Custody seals on container(s)
Sample Hand Delivered by Courier? UPS DHL FedEx Lone Star
Temperature Upon Receipt: 2.6 °C



XENCO Laboratories
 Atlanta, Boca Raton, Corpus Christi, Dallas
 Houston, Miami, Odessa, Philadelphia
 Phoenix, San Antonio, Tampa

Document Title: Sample Receipt Checklist
 Document No.: SYS-SRC
 Revision/Date: No. 01, 5/27/2010
 Effective Date: 6/1/2010 Page 1 of 1

Prelogin / Nonconformance Report - Sample Log-In

Client: Basin Env.
 Date/Time: 6:30-10 11:44
 Lab ID #: 379583
 Initials: AL

Sample Receipt Checklist

| | | | | |
|---|--------------------------------------|-------------------------------------|--------------------------------------|--------------|
| 1. Samples on ice? | Blue | Water | No | |
| 2. Shipping container in good condition? | <input checked="" type="radio"/> Yes | No | None | |
| 3. Custody seals intact on shipping container (cooler) and <u>bottles</u> ? | <input checked="" type="radio"/> Yes | No | N/A | |
| 4. Chain of Custody present? | <input checked="" type="radio"/> Yes | No | | |
| 5. Sample instructions complete on chain of custody? | <input checked="" type="radio"/> Yes | No | | |
| 6. Any missing / extra samples? | Yes | <input checked="" type="radio"/> No | | |
| 7. Chain of custody signed when relinquished / received? | <input checked="" type="radio"/> Yes | No | | |
| 8. Chain of custody agrees with sample label(s)? | <input checked="" type="radio"/> Yes | No | | |
| 9. Container labels legible and intact? | <input checked="" type="radio"/> Yes | No | | |
| 10. Sample matrix / properties agree with chain of custody? | <input checked="" type="radio"/> Yes | No | | |
| 11. Samples in proper container / bottle? | <input checked="" type="radio"/> Yes | No | | |
| 12. Samples properly preserved? | <input checked="" type="radio"/> Yes | No | N/A | |
| 13. Sample container intact? | <input checked="" type="radio"/> Yes | No | | |
| 14. Sufficient sample amount for indicated test(s)? | <input checked="" type="radio"/> Yes | No | | |
| 15. All samples received within sufficient hold time? | <input checked="" type="radio"/> Yes | No | | |
| 16. Subcontract of sample(s)? | Yes | No | <input checked="" type="radio"/> N/A | |
| 17. VOC sample have zero head space? | <input checked="" type="radio"/> Yes | No | N/A | |
| 18. Cooler 1 No. | Cooler 2 No. | Cooler 3 No. | Cooler 4 No. | Cooler 5 No. |
| lbs <u>7.6</u> °C | lbs °C | lbs °C | lbs °C | lbs °C |

Nonconformance Documentation

Contact: _____ Contacted by: _____ Date/Time: _____

Regarding: _____

Corrective Action Taken: _____

- Check all that apply:
- Cooling process has begun shortly after sampling event and out of temperature condition acceptable by NELAC 5.5.8.3.1.a.1.
 - Initial and Backup Temperature confirm out of temperature conditions
 - Client understands and would like to proceed with analysis



Photograph (looking East) of Initial Release at LR Chamberlain Tank Battery.



Photograph (looking Southeast) of delineation activities at the LR Chamberlain Tank Battery.



Photograph (looking South) of Delineation Trench at the LR Chamberlain Tank Battery.



Photograph (looking North) of advancement of Soil Boring SB-1 at the LR Chamberlain Tank Battery.



Photograph (looking West) of excavation in the Northeast Corner at the LR Chamberlain Tank Battery.



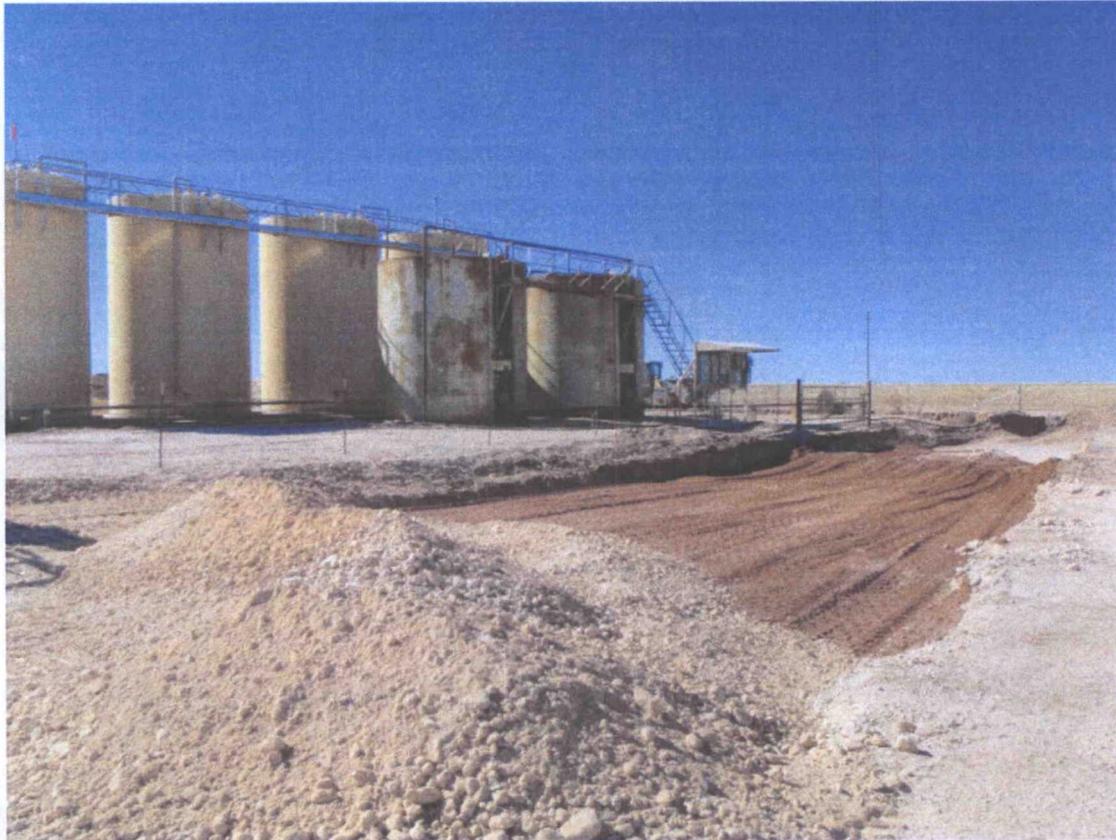
Photograph (looking North) of excavation at the West end of the LR Chamberlain Tank Battery.



Photograph (looking West) of Clay Cap installation at the LR Chamberlain Tank Battery.



Photograph (looking Southeast) of the Clay Cap at the LR Chamberlain Tank Battery.



Photograph (looking Southeast) of Caliche being installed over Clay Cap at the LR Chamberlain Tank Battery.



Photograph (looking East) of the newly installed caliche and completed remediation activities at the LR Chamberlain Tank Battery.

Linn Energy

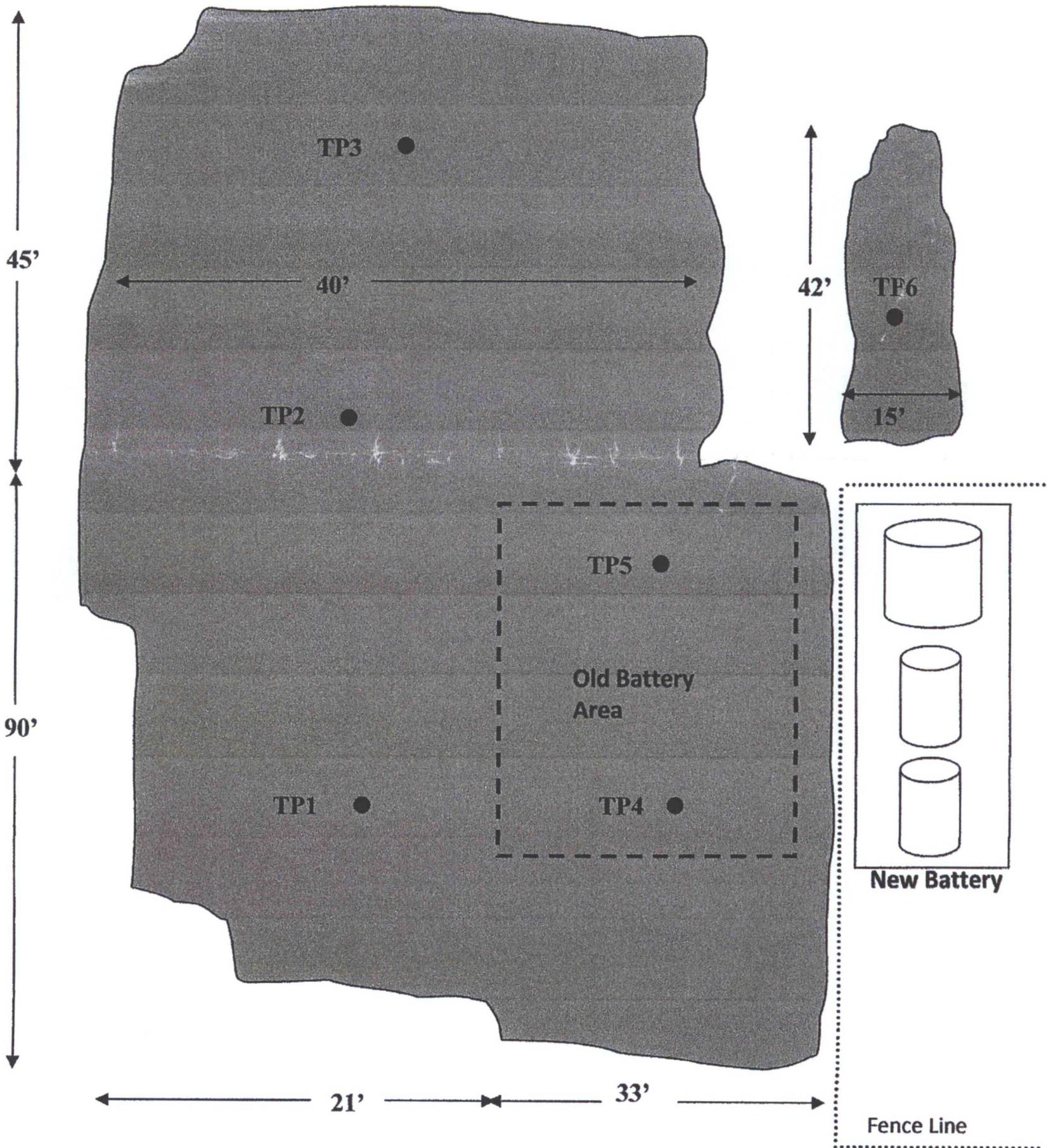
Scharb 9 #2

UL 'F' Sec. 9 T19S R35E

Lea County, NM



Plat Map



Rio Services

P O Box 69139 Odessa, TX 79769
Phone (432) 530-2803 Fax (432) 530-2890

Field Analytical Report Form

Client Linn Energy Analyst Logan Anderson / Bobby Steadham

Site Scharb 9 #2

| Sample ID | Date | Depth | 418.1 TPH / PPM | Cl / PPM | PID / PPM | GPS |
|-----------|----------|-------|-----------------|----------|-----------|-----|
| TP1 | 10-14-10 | 1' | | 5,878 | | |
| TP1 | 11-18-10 | 1' 6" | | 767 | | |
| TP1 | 11-18-10 | 2' | | 678 | | |
| TP1 | 11-19-10 | 3' | | 532 | | |
| TP1 | 11-19-10 | 10' | | 457 | | |
| TP1 | 12-16-10 | 16' | | 451 | | |
| TP1 | 12-16-10 | 18' | | 208 | | |
| TP1 | 11-19-10 | 20' | | 240 | | |
| TP1 | 11-19-10 | 20' | | 187 | | |
| | | | | | | |
| TP2 | 10-14-10 | 1' | | 4,937 | | |
| TP2 | 11-18-10 | 2' | | 349 | | |
| TP2 | 11-19-10 | 5' | | 547 | | |
| TP2 | 11-19-10 | 6' | | 488 | | |
| TP2 | 12-15-10 | 9' | | 1,219 | | |
| TP2 | 12-15-10 | 12' | | 668 | | |
| TP2 | 12-15-10 | 14' | | 644 | | |

Analyst Notes _____

Rio Services

P O Box 69139 Odessa, TX 79769
Phone (432) 530-2803 Fax (432) 530-2890

Field Analytical Report Form

Client Linn Energy Analyst Logan Anderson

Site Scharb 9 #2

| Sample ID | Date | Depth | 418.1 TPH / PPM | Cl / PPM | PID / PPM | GPS |
|-----------|----------|-------|-----------------|----------|-----------|-----|
| TP2 | 12-15-10 | 16' | | 642 | | |
| TP2 | 12-15-10 | 18' | | 184 | | |
| | | | | | | |
| TP3 | 10-14-10 | 1' | | 540 | | |
| TP3 | 11-19-10 | 2' | | 513 | | |
| TP3 | 11-19-10 | 3' | | 586 | | |
| TP3 | 11-19-10 | 4' | | 651 | | |
| TP3 | 11-19-10 | 5' | | 284 | | |
| TP3 | 12-14-10 | 6' | | 509 | | |
| TP3 | 12-14-10 | 8' | | 460 | | |
| TP3 | 12-14-10 | 10' | | 111 | | |
| | | | | | | |
| TP4 | 10-14-10 | 1' | | 730 | | |
| TP4 | 11-18-10 | 2' | | 270 | | |
| TP4 | 12-14-10 | 6.5' | | 438 | | |
| TP4 | 12-14-10 | 7.5' | | 326 | | |
| TP4 | 12-14-10 | 8.5' | | 376 | | |

Analyst Notes _____

Rio Services

P O Box 69139 Odessa, TX 79769
 Phone (432) 530-2803 Fax (432) 530-2890

Field Analytical Report Form

Client Linn Energy **Analyst** Logan Anderson

Site Scharb 9 #2

| Sample ID | Date | Depth | 418.1 TPH / PPM | CI / PPM | PID / PPM | GPS |
|------------|----------|---------|--------------------|----------|-----------|-----|
| TP4 | 12-14-10 | 9.5' | | 509 | | |
| TP4 | 12-14-10 | 10.5' | | 460 | | |
| TP4 | 12-14-10 | 11.5' | | 111 | | |
| | | | | | | |
| TP5 | 10-14-10 | 1' | | 690 | | |
| TP5 | 11-18-10 | 2' | | 834 | | |
| TP5 | 11-18-10 | 3' | | 526 | | |
| TP5 | 12-15-10 | 6' | | 577 | | |
| TP5 | 12-15-10 | 8' | | 459 | | |
| TP5 | 12-15-10 | 10' | | 241 | | |
| | | | | | | |
| TP6 | 10-14-10 | 1' | | 285 | | |
| TP6 | 11-19-10 | 2' | | 149 | | |
| | | | | | | |
| | | | | | | |
| Background | 10-14-10 | Surface | | 146 | | |
| Background | 11-19-10 | 2' | | 139 | | |

Analyst Notes _____