

July 15, 2006

VIA EMAIL: dmbryant@paalp.com

Mr. Daniel Bryant
Environmental Specialist
Plains All American Pipeline, L.P.
3705 East Hwy 158
P.O. Box 3119
Midland, Texas 79702



OCD IRP-888

Re: Final Remediation Report, Plains All American Pipeline, L.P., Anadarko Langlie Mattix Penrose Unit ("LMPU") Pipeline Pump Leak, Unit Letter P (SE/4, SE/4), Section 29, Township 22 South, Range 37 East, Lea County, New Mexico

Dear Mr. Bryant:

This letter presents the remedial actions of a pipeline pump leak ("Site") at the Anadarko Langlie Mattix Penrose Unit ("LMPU") in unit letter P ("SE/4, SE/4"), Section 29, Township 22 South and Range 37 East, Lea County, New Mexico. The leak occurred on January 6, 2004, and involved approximately 200 barrels ("bbl") of crude oil. The latitude and longitude for Site is North 32° 21' 23.5" and West 103° 10' 37.2", respectively. The Site location and topography is depicted on Figure 1.

Chronology

On January 6, 2004, Plains notified the New Mexico Conservation Division ("OCD") and submitted form C-141 on January 7, 2004. An investigation was conducted between March 21, 2005 and July 25, 2005, that included collecting soil samples from direct-push and machine-drilled borings, laboratory analysis of the samples and preparation of a report titled, "Investigation Summary and Work Plan for Remediation activities, Plains Pipeline, L.P., Anadarko Langley Mattix Penrose Unit Spill, Unit Letter P (SE/4, SE/4), Section 29, Township 22 South, Range 37 East, Lea County, New Mexico, October 10, 2005".

On November 15, 2005, Plains personnel discussed the investigation results and remediation work plan with Mr. Larry Johnson of the OCD, District I office located in Hobbs, New Mexico, at which time the OCD approved the work plan. Appendix A presents Form C-141.

Remedial Actions

Remedial actions were performed at the Site in May and June 2006, and involved excavating and blending approximately 1,500 cubic yards of contaminated soil to achieve

the OCD recommended remediation action levels (“RRAL”) for benzene, BTEX (sum of benzene, toluene, ethyl benzene and xylene) and total petroleum hydrocarbons (TPH). The RRAL were calculated using criteria published by the OCD (“Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993”) and include the following:

| Ranking Criteria | Result | Ranking Score |
|--------------------------------|-----------------------|----------------------|
| Depth-to-Groundwater | 50 – 100 feet | 10 |
| Wellhead Protection Area | No | 0 |
| Distance to Surface Water Body | >1000 Horizontal Feet | 0 |
| Total Score: | | 10 |

The following RRAL are assigned to the Site based on the total ranking score (10):

Benzene: 10 mg/Kg
BTEX: 50 mg/Kg
TPH: 1,000 mg/Kg

Basin Environmental Service, Inc., based in Lovington, New Mexico, excavated soil from the Site from approximately 2 to 9 feet below ground surface (“bgs”). The main excavation measured approximately 60 x 85 feet and a smaller area, measuring approximately 30 x 40 feet, was excavated northwest of the main excavation. Additional contamination was discovered near the east side of the Site and OCD was notified. The OCD personnel concurred that the contamination was the result of leaks from a PVC flow line that was used by a previous lease operator, and OCD required no further excavation. Figure 2 presents a Site drawing.

On May 30, 2006 and June 1, 2006, LA personnel collected confirmation samples from the sides and bottom of the excavation. The bottom samples were collected at four (4) locations from about 5 to 10 feet bgs. The side samples were collected at four (4) locations from ground surface to about 9 feet bgs. The samples were placed in 4-ounce glass containers, labeled, chilled in an ice chest, delivered under chain of custody control to Environmental Lab of Texas, Inc. (“ELTI”), which analyzed the samples for total petroleum hydrocarbons (“TPH”) using method SW-846 8015 for gasoline range organics (“GRO”) and diesel range organics (“DRO”), and chloride by method SW-846-300. Duplicate samples were collected and analyzed for headspace vapors using a photoionization detector (“PID”) calibrated to 100 parts per million (“ppm”) isobutylene. No PID readings exceeded 100 ppm, therefore, the laboratory analyzed no samples for BTEX. Table 1 presents a summary of the field and laboratory analysis of the confirmation samples. Appendix B presents the laboratory reports.

Mr. Daniel Bryant
July 15, 2006
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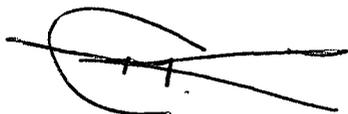
Referring to Table 1, the TPH was below 1,000 mg/Kg in all samples except SS-6, which was collected from the east side of the excavation where contamination was discovered from the PVC flow line. Chloride ranged from 17.1 mg/Kg to 70.8 mg/Kg.

The contaminated soil was blended in 2 piles (east and west) until TPH was near or below the RRAL (1,000 mg/Kg). The final TPH concentration in the blended soil was 922.1 mg/Kg (East) and 1003.1 mg/Kg (West). Benzene and BTEX were below the RRAL and chloride ranged from 16.1 mg/Kg to 36 mg/Kg. The blended soil was returned to the excavation and the Site was graded to control run on and run off. Table 2 presents a summary of laboratory analysis of the blended soil. Appendix C presents photographs.

LA recommends that Plains submit this report to the OCD as documentation that the spill was successfully remediated and request closure for the Site. Please contact me at (432) 687-0901 or email mark@laenvironmental.com if you have questions.

Sincerely,

Larson and Associates, Inc.



Mark J. Larson, P.G., C.P.G., C.G.W.P.
Sr. Project Manager/President

Enclosures

cc: Jeff Dann

**Table 1: Summary of Laboratory Analysis of Remediation Confirmation Soil Samples
 Plains All American Pipeline, L.P., Langlie Mattix Penrose Unit ("LMPSU") Pipeline Pump
 UL-P, Section 29, Township 22 South, Range 37 East
 Lea County, New Mexico**

| Soil Sample | Sample Depth (Feet BGS) | Sample Location | Sample Date | PID (ppm) | GRO C6-C12 (mg/kg) | DRO >C12-C28 (mg/kg) | DRO >C28-C35 (mg/kg) | TPH C6-C35 (mg/kg) | Chloride (mg/kg) |
|-------------|-------------------------|-----------------|-------------|-----------|--------------------|----------------------|----------------------|--------------------|------------------|
| RRAL | | | | | | | | 1000 | |
| SS-1 | 6 | North Bottom | 5/30/2006 | 2.9 | <10 | <10 | <10 | <30 | 17.9 |
| SS-2 | 5 | South Bottom | 5/30/2006 | 5.5 | <10 | 14.6 | <10 | 14.6 | 14.7 |
| SS-3 | 0 - 9 | North Side | 6/1/2006 | 7.3 | <10 | 42.5 | <10 | 42.5 | 34.2 |
| SS-4 | 0 - 8 | West Side | 6/1/2006 | 8 | <10 | <10 | <10 | <30 | 35.4 |
| SS-5 | 0 - 9 | South Side | 6/1/2006 | 9.7 | <10 | <10 | <10 | <30 | 34.7 |
| *SS-6 | 0 - 9 | East Side | 6/1/2006 | 12.4 | 111 | 2,970 | 332 | 3,413 | 70.8 |
| SS-7 | 9 | West Bottom | 6/1/2006 | 11.3 | <10 | 48.3 | <10 | 48.3 | 38.5 |
| SS-8 | 10 | East Bottom | 6/1/2006 | 14.1 | <10 | 21.2 | <10 | 21.2 | 17.1 |

Notes: Analysis performed by Environmental Lab of Texas, I. Ltd., Odessa, Texas

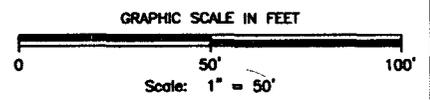
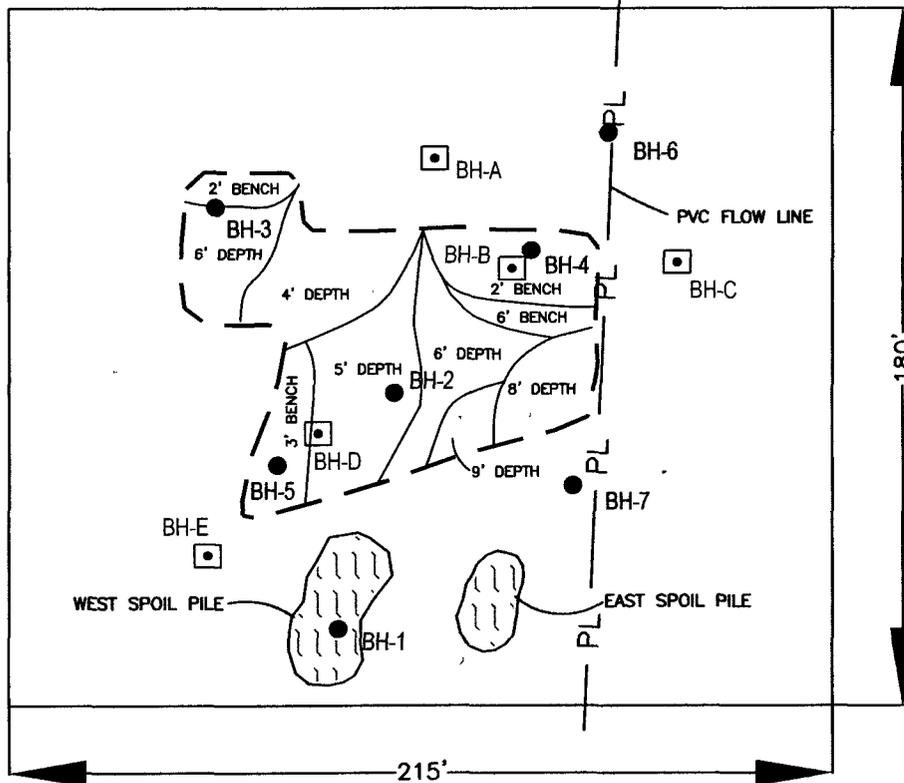
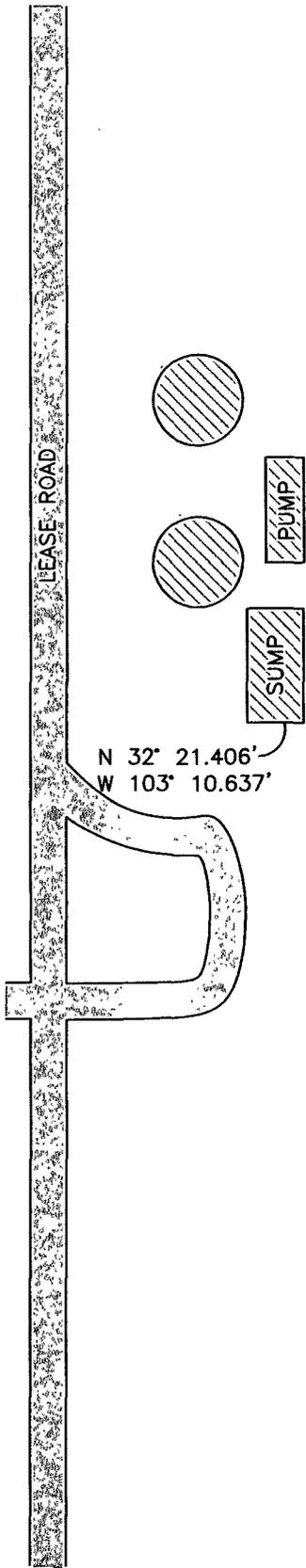
1. BGS: Sample depth in feet below ground surface
2. TPH: Total petroleum hydrocarbons (Sum of DRO + GRO)
3. mg/kg: Milligrams per kilogram
4. <: Below method detection limit
5. PID: Photoionization detector
6. ppm: Parts per million
7. *: Represents contamination from PVC flow line

Table 2: Summary of Laboratory Analysis of Soil Samples from Spoil Piles
Plains All American Pipeline, L.P., Langlie Mattix Penrose Unit ("LMPSU") Pipeline Pump
UL-P, Section 29, Township 22 South, Range 37 East, Lea County, New Mexico **Page 1 of 1**

| Sample Number | Spoil Pile | Sample Date | PID (ppm) | Benzene (mg/kg) | Total BTEX (mg/kg) | | DRO >C12-C28 (mg/kg) | DRO >C28-C35 (mg/kg) | TPH C6-C35 (mg/kg) | Chloride (mg/kg) |
|---------------|------------|-------------|-----------|-----------------|--------------------|-----------|----------------------|----------------------|--------------------|------------------|
| | | | | | 10 | 50 | | | | |
| RRAL | | | | | 10 | 50 | 1000 | | | |
| Spoil 1 | East | 05/30/2006 | > 4,000 | <0.025 | 1.1979 | 339 | 1,270 | 89.5 | 1,698.5 | 16.9 |
| Spoil 2 | East | 05/30/2006 | > 4,000 | <0.025 | 1.3922 | 393 | 2,190 | 234 | 2,817 | 16.8 |
| Spoil 3 | West | 06/01/2006 | 589 | <0.025 | 1.1435 | 312 | 1,080 | 83.9 | 1,475.9 | 16.1 |
| Spoil 4 | West | 06/01/2006 | 583 | <0.025 | 1.7786 | 65.5 | 147 | <10 | 212.5 | 36 |
| Spoil 5 | East | 06/05/2006 | 391 | --- | --- | 92.8 | 676 | 175 | 943.8 | 13.8 |
| Spoil 6 | West | 06/05/2006 | >4,000 | --- | --- | 255 | 1490 | 340 | 2085 | 17.5 |
| Spoil 7 | East | 06/05/2006 | 1,285 | --- | --- | 227 | 1510 | 331 | 2068 | 16.7 |
| Spoil 8 | East | 06/06/2006 | 1,505 | --- | --- | 150 | 971 | 173 | 1294 | 14.7 |
| Spoil 9 | West | 06/08/2006 | -- | --- | --- | 103 | 978 | 136 | 1217 | --- |
| Spoil 10 | West | 06/08/2006 | -- | --- | --- | 141 | 1480 | 264 | 1885 | --- |
| Spoil 11 | East | 06/08/2006 | -- | --- | --- | 51.6 | 710 | 123 | 884.6 | --- |
| Spoil 12 | East | 06/14/2006 | -- | --- | --- | 65.8 | 799 | 57.3 | 922.1 | --- |
| Spoil 13 | West | 06/16/2006 | -- | --- | --- | 72.7 | 847 | 83.4 | 1003.1 | --- |

Notes: Analysis performed by Environmental Lab of Texas, I. Ltd., Odessa, Texas

1. BGS: Sample depth in feet below ground surface
2. TPH: Total petroleum hydrocarbons (Sum of DRO + GRO)
3. mg/kg: Milligrams per kilogram
4. <: Below method detection limit
5. PID: Photoionization detector
6. ppm: Parts per million
7. ---: No data available
8. >: Over detection limit



| LEGEND | |
|--------|------------------------------------|
| ● | - GEOPROBE BORING LOCATION |
| □ | - SOIL BORING LOCATIONS, (7/25/05) |
| --- | - EXCAVATION AREA |

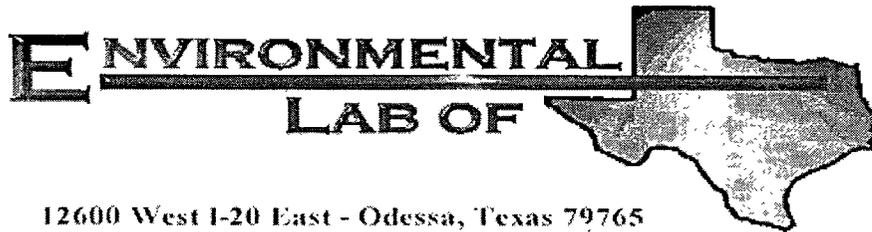
| |
|--|
| FIGURE 2 |
| LEA COUNTY, NEW MEXICO |
| PLAINS ALL AMERICAN PIPELINE L. P. ANADARKO PENROSE # 1 SE/4, SE/4 SECTION 29, T-22-S, R-37-E |
| SITE DETAILS |

DATE
07-10-06

NAME: SJA

FILE: 5-0103

Larson & Associates, inc.
Environmental Consultants



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Anadarko Penrose #1

Project Number: OSI #01-01-04

Location: None Given

Lab Order Number: 6E30006

Report Date: 06/06/06

Plains All American EH & S
 1301 S County Road 1150
 Midland TX, 79706-4476

Project: Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax. (432) 687-4914

Reported:
 06/06/06 12 07

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| SS-1 (6E30006-01) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | ND | 10 0 | mg/kg dry | 1 | EF60112 | 06/01/06 | 06/01/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | ND | 10 0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10 0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10 0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 85.4 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 80.6 % | 70-130 | | " | " | " | " | |
| SS-2 (6E30006-02) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EF60112 | 06/01/06 | 06/01/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 14.6 | 10 0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10 0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 14.6 | 10 0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 84.2 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 80.6 % | 70-130 | | " | " | " | " | |
| Spoil 1 (6E30006-03) Soil | | | | | | | | | |
| Benzene | ND | 0 0250 | mg/kg dry | 25 | EF60302 | 06/03/06 | 06/05/06 | EPA 8021B | |
| Toluene | 0.0399 | 0.0250 | " | " | " | " | " | " | |
| Ethylbenzene | 0.195 | 0 0250 | " | " | " | " | " | " | |
| Xylene (p/m) | 0.700 | 0 0250 | " | " | " | " | " | " | |
| Xylene (o) | 0.263 | 0 0250 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 84.0 % | 80-120 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 148 % | 80-120 | | " | " | " | " | S-04 |
| Carbon Ranges C6-C12 | 339 | 10.0 | mg/kg dry | 1 | EF60112 | 06/01/06 | 06/01/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 1270 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 89.5 | 10 0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 1700 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 94.6 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 94.8 % | 70-130 | | " | " | " | " | |

Plains All American EH & S
 1301 S County Road 1150
 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number. OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914
Reported:
 06/06/06 12:07

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Spoil 2 (6E30006-04) Soil | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg dry | 25 | EF60302 | 06/03/06 | 06/05/06 | EPA 8021B | |
| Toluene | 0.0832 | 0.0250 | " | " | " | " | " | " | |
| Ethylbenzene | 0.211 | 0.0250 | " | " | " | " | " | " | |
| Xylene (p/m) | 0.829 | 0.0250 | " | " | " | " | " | " | |
| Xylene (o) | 0.269 | 0.0250 | " | " | " | " | " | " | |
| <i>Surrogate: a,a,a-Trifluorotoluene</i> | | 97.2 % | 80-120 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 147 % | 80-120 | | " | " | " | " | S-04 |
| Carbon Ranges C6-C12 | 393 | 10.0 | mg/kg dry | 1 | EF60112 | 06/01/06 | 06/01/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 2190 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 234 | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 2820 | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 102 % | 70-130 | | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 106 % | 70-130 | | " | " | " | " | |

Plains All American EH & S
1301 S County Road 1150
Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number OSI #01-01-04
Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
06/06/06 12:07

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| SS-1 (6E30006-01) Soil | | | | | | | | | |
| Chloride | 17.9 | 5.00 | mg/kg | 10 | EE63107 | 05/31/06 | 05/31/06 | EPA 300.0 | |
| % Moisture | 9.1 | 0.1 | % | 1 | EE63102 | 05/30/06 | 05/31/06 | % calculation | |
| SS-2 (6E30006-02) Soil | | | | | | | | | |
| Chloride | 14.7 | 5.00 | mg/kg | 10 | EE63107 | 05/31/06 | 05/31/06 | EPA 300.0 | |
| % Moisture | 7.4 | 0.1 | % | 1 | EE63102 | 05/30/06 | 05/31/06 | % calculation | |
| Spoil 1 (6E30006-03) Soil | | | | | | | | | |
| Chloride | 16.9 | 5.00 | mg/kg | 10 | EE63107 | 05/31/06 | 05/31/06 | EPA 300.0 | |
| % Moisture | 9.2 | 0.1 | % | 1 | EE63102 | 05/30/06 | 05/31/06 | % calculation | |
| Spoil 2 (6E30006-04) Soil | | | | | | | | | |
| Chloride | 16.8 | 5.00 | mg/kg | 10 | EE63107 | 05/31/06 | 05/31/06 | EPA 300.0 | |
| % Moisture | 2.8 | 0.1 | % | 1 | EE63102 | 05/30/06 | 05/31/06 | % calculation | |

Plains All American EH & S
 1301 S County Road 1150
 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager: Daniel Bryant

Fax. (432) 687-4914

Reported:
 06/06/06 12:07

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60112 - Solvent Extraction (GC)

Blank (EF60112-BLK1) Prepared 06/01/06 Analyzed 06/02/06

| | | | | | | | | | | |
|-------------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg wet | | | | | | | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | | | | | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | | | | | | | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 45.4 | | mg/kg | 50.0 | | 90.8 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 43.5 | | " | 50.0 | | 87.0 | 70-130 | | | |

LCS (EF60112-BS1) Prepared 06/01/06 Analyzed 06/02/06

| | | | | | | | | | | |
|-------------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| Carbon Ranges C6-C12 | 551 | 10.0 | mg/kg wet | 500 | | 110 | 75-125 | | | |
| Carbon Ranges C12-C28 | 562 | 10.0 | " | 500 | | 112 | 75-125 | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | 0.00 | | | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 1110 | 10.0 | " | 1000 | | 111 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 53.0 | | mg/kg | 50.0 | | 106 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 44.6 | | " | 50.0 | | 89.2 | 70-130 | | | |

Calibration Check (EF60112-CCV1) Prepared 06/01/06 Analyzed 06/02/06

| | | | | | | | | | | |
|-------------------------------|------|--|-----------|------|--|-----|--------|--|--|--|
| Carbon Ranges C6-C12 | 297 | | mg/kg wet | 250 | | 119 | 80-120 | | | |
| Carbon Ranges C12-C28 | 298 | | " | 250 | | 119 | 80-120 | | | |
| Total Hydrocarbon nC6-nC35 | 594 | | " | 500 | | 119 | 80-120 | | | |
| Surrogate: 1-Chlorooctane | 64.0 | | mg/kg | 50.0 | | 128 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 63.7 | | " | 50.0 | | 127 | 70-130 | | | |

Matrix Spike (EF60112-MS1) Source: 6E30006-01 Prepared 06/01/06 Analyzed 06/02/06

| | | | | | | | | | | |
|-------------------------------|------|------|-----------|------|----|------|--------|--|--|--|
| Carbon Ranges C6-C12 | 573 | 10.0 | mg/kg dry | 550 | ND | 104 | 75-125 | | | |
| Carbon Ranges C12-C28 | 566 | 10.0 | " | 550 | ND | 103 | 75-125 | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | 0.00 | ND | | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 1140 | 10.0 | " | 1100 | ND | 104 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 59.3 | | mg/kg | 50.0 | | 119 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 47.9 | | " | 50.0 | | 95.8 | 70-130 | | | |

Plains All American EH & S
 1301 S County Road 1150
 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number: OSI #01-01-04
 Project Manager: Daniel Bryant

Fax (432) 687-4914
 Reported:
 06/06/06 12:07

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60112 - Solvent Extraction (GC)

| Matrix Spike Dup (EF60112-MSD1) | Source: 6E30006-01 | | Prepared | 06/01/06 | Analyzed | 06/02/06 | | | | |
|---------------------------------|--------------------|------|-----------|----------|----------|----------|--------|-------|----|--|
| Carbon Ranges C6-C12 | 573 | 10.0 | mg/kg dry | 550 | ND | 104 | 75-125 | 0.00 | 20 | |
| Carbon Ranges C12-C28 | 565 | 10.0 | " | 550 | ND | 103 | 75-125 | 0.177 | 20 | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | 0.00 | ND | | 75-125 | | 20 | |
| Total Hydrocarbon nC6-nC35 | 1140 | 10.0 | " | 1100 | ND | 104 | 75-125 | 0.00 | 20 | |
| Surrogate. 1-Chlorooctane | 59.2 | | mg/kg | 50.0 | | 118 | 70-130 | | | |
| Surrogate. 1-Chlorooctadecane | 47.5 | | " | 50.0 | | 95.0 | 70-130 | | | |

Batch EF60302 - EPA 5030C (GC)

| Blank (EF60302-BLK1) | | | Prepared | 06/03/06 | Analyzed | 06/05/06 | | | | |
|-----------------------------------|------|--------|-----------|----------|----------|----------|--------|--|--|--|
| Benzene | ND | 0.0250 | mg/kg wet | | | | | | | |
| Toluene | ND | 0.0250 | " | | | | | | | |
| Ethylbenzene | ND | 0.0250 | " | | | | | | | |
| Xylene (p/m) | ND | 0.0250 | " | | | | | | | |
| Xylene (o) | ND | 0.0250 | " | | | | | | | |
| Surrogate. a,a,a-Trifluorotoluene | 36.8 | | ug/kg | 40.0 | | 92.0 | 80-120 | | | |
| Surrogate. 4-Bromofluorobenzene | 36.9 | | " | 40.0 | | 92.2 | 80-120 | | | |

| LCS (EF60302-BS1) | | | Prepared | 06/03/06 | Analyzed | 06/05/06 | | | | |
|-----------------------------------|------|--------|-----------|----------|----------|----------|--------|--|--|--|
| Benzene | 1.05 | 0.0250 | mg/kg wet | 1.25 | | 84.0 | 80-120 | | | |
| Toluene | 1.02 | 0.0250 | " | 1.25 | | 81.6 | 80-120 | | | |
| Ethylbenzene | 1.05 | 0.0250 | " | 1.25 | | 84.0 | 80-120 | | | |
| Xylene (p/m) | 2.27 | 0.0250 | " | 2.50 | | 90.8 | 80-120 | | | |
| Xylene (o) | 1.11 | 0.0250 | " | 1.25 | | 88.8 | 80-120 | | | |
| Surrogate. a,a,a-Trifluorotoluene | 38.7 | | ug/kg | 40.0 | | 96.8 | 80-120 | | | |
| Surrogate. 4-Bromofluorobenzene | 40.1 | | " | 40.0 | | 100 | 80-120 | | | |

Plains All American EH & S
 1301 S County Road 1150
 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number. OSI #01-01-04
 Project Manager. Daniel Bryant

Fax (432) 687-4914

Reported:
 06/06/06 12 07

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60302 - EPA 5030C (GC)

Calibration Check (EF60302-CCV1)

Prepared 06/03/06 Analyzed 06/06/06

| | | | | | | | | | | |
|----------------------------------|------|--|-------|------|--|------|--------|--|--|--|
| Benzene | 40.8 | | ug/kg | 50.0 | | 81.6 | 80-120 | | | |
| Toluene | 40.2 | | " | 50.0 | | 80.4 | 80-120 | | | |
| Ethylbenzene | 44.3 | | " | 50.0 | | 88.6 | 80-120 | | | |
| Xylene (p/m) | 90.4 | | " | 100 | | 90.4 | 80-120 | | | |
| Xylene (o) | 45.9 | | " | 50.0 | | 91.8 | 80-120 | | | |
| Surrogate a,a,a-Trifluorotoluene | 36.2 | | " | 40.0 | | 90.5 | 80-120 | | | |
| Surrogate 4-Bromofluorobenzene | 40.4 | | " | 40.0 | | 101 | 80-120 | | | |

Matrix Spike (EF60302-MS1)

Source: 6E31001-01

Prepared 06/03/06 Analyzed 06/05/06

| | | | | | | | | | | |
|----------------------------------|------|--------|-----------|------|----|------|--------|--|--|------|
| Benzene | 1.04 | 0.0250 | mg/kg dry | 1.28 | ND | 81.2 | 80-120 | | | |
| Toluene | 1.02 | 0.0250 | " | 1.28 | ND | 79.7 | 80-120 | | | S-07 |
| Ethylbenzene | 1.27 | 0.0250 | " | 1.28 | ND | 99.2 | 80-120 | | | |
| Xylene (p/m) | 2.18 | 0.0250 | " | 2.55 | ND | 85.5 | 80-120 | | | |
| Xylene (o) | 1.06 | 0.0250 | " | 1.28 | ND | 82.8 | 80-120 | | | |
| Surrogate a,a,a-Trifluorotoluene | 38.0 | | ug/kg | 40.0 | | 95.0 | 80-120 | | | |
| Surrogate 4-Bromofluorobenzene | 45.4 | | " | 40.0 | | 114 | 80-120 | | | |

Matrix Spike Dup (EF60302-MSD1)

Source: 6E31001-01

Prepared 06/03/06 Analyzed 06/05/06

| | | | | | | | | | | |
|----------------------------------|------|--------|-----------|------|----|------|--------|-------|----|--|
| Benzene | 1.03 | 0.0250 | mg/kg dry | 1.28 | ND | 80.5 | 80-120 | 0.866 | 20 | |
| Toluene | 1.03 | 0.0250 | " | 1.28 | ND | 80.5 | 80-120 | 0.999 | 20 | |
| Ethylbenzene | 1.33 | 0.0250 | " | 1.28 | ND | 104 | 80-120 | 4.72 | 20 | |
| Xylene (p/m) | 2.29 | 0.0250 | " | 2.55 | ND | 89.8 | 80-120 | 4.91 | 20 | |
| Xylene (o) | 1.13 | 0.0250 | " | 1.28 | ND | 88.3 | 80-120 | 6.43 | 20 | |
| Surrogate a,a,a-Trifluorotoluene | 36.2 | | ug/kg | 40.0 | | 90.5 | 80-120 | | | |
| Surrogate 4-Bromofluorobenzene | 40.8 | | " | 40.0 | | 102 | 80-120 | | | |

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 Midland TX, 79706-4476

Project: Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914
 Reported:
 06/06/06 12:07

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|---------------|------|-------------|-------|-----------|-------|
| Batch EE63102 - General Preparation (Prep) | | | | | | | | | | |
| Blank (EE63102-BLK1) Prepared 05/30/06 Analyzed 05/31/06 | | | | | | | | | | |
| % Solids | 100 | | % | | | | | | | |
| Duplicate (EE63102-DUP1) Source: 6E26011-01 Prepared 05/30/06 Analyzed: 05/31/06 | | | | | | | | | | |
| % Solids | 96.4 | | % | | 96.5 | | | 0.104 | 20 | |
| Batch EE63107 - Water Extraction | | | | | | | | | | |
| Blank (EE63107-BLK1) Prepared & Analyzed 05/31/06 | | | | | | | | | | |
| Chloride | ND | 0.500 | mg/kg | | | | | | | |
| LCS (EE63107-BS1) Prepared & Analyzed 05/31/06 | | | | | | | | | | |
| Chloride | 10.0 | 0.500 | mg/kg | 10.0 | | 100 | 80-120 | | | |
| Calibration Check (EE63107-CCV1) Prepared & Analyzed 05/31/06 | | | | | | | | | | |
| Chloride | 10.1 | | mg/L | 10.0 | | 101 | 80-120 | | | |
| Duplicate (EE63107-DUP1) Source: 6E26015-01 Prepared & Analyzed 05/31/06 | | | | | | | | | | |
| Chloride | 320 | 10.0 | mg/kg | | 304 | | | 5.13 | 20 | |
| Duplicate (EE63107-DUP2) Source: 6E30005-01 Prepared & Analyzed 05/31/06 | | | | | | | | | | |
| Chloride | 672 | 10.0 | mg/kg | | 659 | | | 1.95 | 20 | |
| Matrix Spike (EE63107-MS1) Source: 6E26015-01 Prepared & Analyzed 05/31/06 | | | | | | | | | | |
| Chloride | 573 | 10.0 | mg/kg | 200 | 304 | 134 | 80-120 | | | S-07 |
| Matrix Spike (EE63107-MS2) Source: 6E30005-01 Prepared & Analyzed: 05/31/06 | | | | | | | | | | |
| Chloride | 845 | 10.0 | mg/kg | 200 | 659 | 93.0 | 80-120 | | | |

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

Client: Larson/Plains
 Date/Time: 8/30/00 4:35
 Order #: 6E30006
 Initials: CK

Sample Receipt Checklist

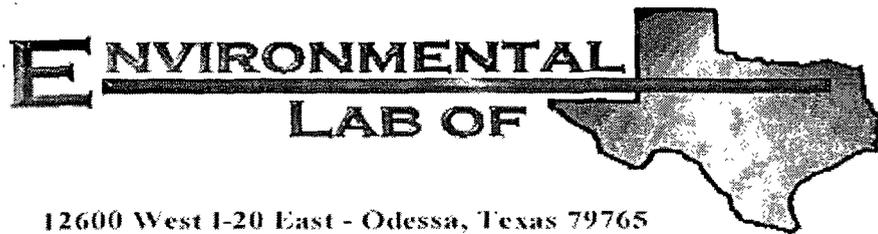
| | Yes | No | |
|---|-------------------------------------|----|------------------------|
| Temperature of container/cooler? | | | 6.0 C |
| Shipping container/cooler in good condition? | <input checked="" type="checkbox"/> | No | |
| Custody Seals intact on shipping container/cooler? | Yes | No | Not present |
| Custody Seals intact on sample bottles? | Yes | No | Not present |
| Chain of custody present? | <input checked="" type="checkbox"/> | No | |
| Sample Instructions complete on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Chain of Custody signed when relinquished and received? | <input checked="" type="checkbox"/> | No | |
| Chain of custody agrees with sample label(s) | <input checked="" type="checkbox"/> | No | ED on jar |
| Container labels legible and intact? | Yes | No | |
| Sample Matrix and properties same as on chain of custody? | <input checked="" type="checkbox"/> | No | |
| Samples in proper container/bottle? | <input checked="" type="checkbox"/> | No | |
| Samples properly preserved? | <input checked="" type="checkbox"/> | No | |
| Sample bottles intact? | <input checked="" type="checkbox"/> | No | |
| Preservations documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Containers documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Sufficient sample amount for indicated test? | <input checked="" type="checkbox"/> | No | |
| All samples received within sufficient hold time? | <input checked="" type="checkbox"/> | No | |
| DOC samples have zero headspace? | <input checked="" type="checkbox"/> | No | Not Applicable |

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Anadarko Penrose #1

Project Number: OSI #01-01-04

Location: None Given

Lab Order Number: 6F02008

Report Date: 06/05/06

Plains All American EH & S
1301 S County Road 1150
Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number OSI #01-01-04
Project Manager Daniel Bryant

Fax. (432) 687-4914

Reported:
06/05/06 14 12

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SS-3 | 6F02008-01 | Soil | 06/01/06 12 45 | 06/02/06 09 45 |
| SS-4 | 6F02008-02 | Soil | 06/01/06 12.50 | 06/02/06 09 45 |
| SS-5 | 6F02008-03 | Soil | 06/01/06 12 53 | 06/02/06 09 45 |
| SS-6 | 6F02008-04 | Soil | 06/01/06 12 55 | 06/02/06 09 45 |
| SS-7 | 6F02008-05 | Soil | 06/01/06 12 57 | 06/02/06 09 45 |
| SS-8 | 6F02008-06 | Soil | 06/01/06 13 00 | 06/02/06 09 45 |
| Spoil 3 | 6F02008-07 | Soil | 06/01/06 13 05 | 06/02/06 09 45 |
| Spoil 4 | 6F02008-08 | Soil | 06/01/06 13-07 | 06/02/06 09 45 |

Plains All American EH & S
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Project Anadarko Penrose #1
 Project Number. OSI #01-01-04
 Project Manager. Daniel Bryant

Fax: (432) 687-4914

Reported:
 06/05/06 14 12

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------------|-------------|-----------------|-----------|----------|----------|----------|----------|-----------|-------|
| SS-3 (6F02008-01) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EF60219 | 06/02/06 | 06/05/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 42.5 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 42.5 | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 101 % | | 70-130 | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 95.6 % | | 70-130 | " | " | " | " | |
| SS-4 (6F02008-02) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EF60219 | 06/02/06 | 06/05/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 85.2 % | | 70-130 | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 79.6 % | | 70-130 | " | " | " | " | |
| SS-5 (6F02008-03) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EF60219 | 06/02/06 | 06/05/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 97.2 % | | 70-130 | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 88.4 % | | 70-130 | " | " | " | " | |
| SS-6 (6F02008-04) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 111 | 10.0 | mg/kg dry | 1 | EF60219 | 06/02/06 | 06/05/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 2970 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 332 | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 3410 | 10.0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | 102 % | | 70-130 | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | 126 % | | 70-130 | " | " | " | " | |

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Project: Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914
Reported:
 06/05/06 14.12

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|-------------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| SS-7 (6F02008-05) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EF60219 | 06/02/06 | 06/05/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 48.3 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 48.3 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 85.0 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 72.8 % | 70-130 | | " | " | " | " | |
| SS-8 (6F02008-06) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg dry | 1 | EF60219 | 06/02/06 | 06/05/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 21.2 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 21.2 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 76.0 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 71.6 % | 70-130 | | " | " | " | " | |
| Spoil 3 (6F02008-07) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 312 | 10.0 | mg/kg dry | 1 | EF60219 | 06/02/06 | 06/05/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 1080 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 83.9 | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 1480 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 89.8 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 88.2 % | 70-130 | | " | " | " | " | |
| Spoil 4 (6F02008-08) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 65.5 | 10.0 | mg/kg dry | 1 | EF60219 | 06/02/06 | 06/05/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 147 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 212 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 98.0 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 88.8 % | 70-130 | | " | " | " | " | |

Plains All American EH & S
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Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/05/06 14.12

**General Chemistry Parameters by EPA / Standard Methods
 Environmental Lab of Texas**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| SS-3 (6F02008-01) Soil | | | | | | | | | |
| Chloride | 34.2 | 5.00 | mg/kg | 10 | EF60307 | 06/02/06 | 06/02/06 | EPA 300.0 | |
| % Moisture | 28.2 | 0.1 | % | 1 | EF60502 | 06/02/06 | 06/06/06 | % calculation | |
| SS-4 (6F02008-02) Soil | | | | | | | | | |
| Chloride | 35.4 | 5.00 | mg/kg | 10 | EF60307 | 06/02/06 | 06/02/06 | EPA 300.0 | |
| % Moisture | 31.6 | 0.1 | % | 1 | EF60502 | 06/02/06 | 06/06/06 | % calculation | |
| SS-5 (6F02008-03) Soil | | | | | | | | | |
| Chloride | 34.7 | 5.00 | mg/kg | 10 | EF60307 | 06/02/06 | 06/02/06 | EPA 300.0 | |
| % Moisture | 32.1 | 0.1 | % | 1 | EF60502 | 06/02/06 | 06/06/06 | % calculation | |
| SS-6 (6F02008-04) Soil | | | | | | | | | |
| Chloride | 70.8 | 10.0 | mg/kg | 20 | EF60307 | 06/02/06 | 06/02/06 | EPA 300.0 | |
| % Moisture | 0.9 | 0.1 | % | 1 | EF60502 | 06/02/06 | 06/06/06 | % calculation | |
| SS-7 (6F02008-05) Soil | | | | | | | | | |
| Chloride | 38.5 | 5.00 | mg/kg | 10 | EF60307 | 06/02/06 | 06/02/06 | EPA 300.0 | |
| % Moisture | 28.3 | 0.1 | % | 1 | EF60502 | 06/02/06 | 06/06/06 | % calculation | |
| SS-8 (6F02008-06) Soil | | | | | | | | | |
| Chloride | 17.1 | 5.00 | mg/kg | 10 | EF60307 | 06/02/06 | 06/02/06 | EPA 300.0 | |
| % Moisture | 10.2 | 0.1 | % | 1 | EF60502 | 06/02/06 | 06/06/06 | % calculation | |
| Spoil 3 (6F02008-07) Soil | | | | | | | | | |
| Chloride | 16.1 | 5.00 | mg/kg | 10 | EF60307 | 06/02/06 | 06/02/06 | EPA 300.0 | |
| % Moisture | 2.5 | 0.1 | % | 1 | EF60502 | 06/02/06 | 06/06/06 | % calculation | |
| Spoil 4 (6F02008-08) Soil | | | | | | | | | |
| Chloride | 36.0 | 5.00 | mg/kg | 10 | EF60307 | 06/02/06 | 06/02/06 | EPA 300.0 | |
| % Moisture | 25.6 | 0.1 | % | 1 | EF60502 | 06/02/06 | 06/06/06 | % calculation | |

Plains All American EH & S
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 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/05/06 14.12

Volatile Organic Compounds by EPA Method 8260B
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-----------------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Spoil 3 (6F02008-07) Soil | | | | | | | | | |
| Benzene | ND | 25.0 | ug/kg dry | 25 | EF60303 | 06/03/06 | 06/03/06 | EPA 8260B | |
| Toluene | J [13.1] | 25.0 | " | " | " | " | " | " | J |
| Ethylbenzene | 30.4 | 25.0 | " | " | " | " | " | " | |
| Xylene (p/m) | 264 | 25.0 | " | " | " | " | " | " | |
| Xylene (o) | 836 | 25.0 | " | " | " | " | " | " | |
| <i>Surrogate: Dibromofluoromethane</i> | | 115 % | 68-129 | | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 88.0 % | 72-132 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 82.8 % | 74-118 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 87.4 % | 65-140 | | " | " | " | " | |
| Spoil 4 (6F02008-08) Soil | | | | | | | | | |
| Benzene | ND | 25.0 | ug/kg dry | 25 | EF60303 | 06/03/06 | 06/04/06 | EPA 8260B | |
| Toluene | 40.1 | 25.0 | " | " | " | " | " | " | |
| Ethylbenzene | 44.5 | 25.0 | " | " | " | " | " | " | |
| Xylene (p/m) | 464 | 25.0 | " | " | " | " | " | " | |
| Xylene (o) | 1230 | 25.0 | " | " | " | " | " | " | |
| <i>Surrogate: Dibromofluoromethane</i> | | 111 % | 68-129 | | " | " | " | " | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 84.4 % | 72-132 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 86.4 % | 74-118 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 86.4 % | 65-140 | | " | " | " | " | |

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Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/05/06 14 12

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60219 - Solvent Extraction (GC)

Blank (EF60219-BLK1)

Prepared 06/02/06 Analyzed 06/05/06

| | | | | | | | | | | |
|-------------------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg wet | | | | | | | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | | | | | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | | | | | | | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | | | | | | | |
| <i>Surrogate 1-Chlorooctane</i> | 45.4 | | mg/kg | 50.0 | | 90.8 | 70-130 | | | |
| <i>Surrogate 1-Chlorooctadecane</i> | 46.5 | | " | 50.0 | | 93.0 | 70-130 | | | |

LCS (EF60219-BS1)

Prepared 06/02/06 Analyzed 06/05/06

| | | | | | | | | | | |
|-------------------------------------|------|------|-----------|------|--|-----|--------|--|--|--|
| Carbon Ranges C6-C12 | 567 | 10.0 | mg/kg wet | 500 | | 113 | 75-125 | | | |
| Carbon Ranges C12-C28 | 554 | 10.0 | " | 500 | | 111 | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 1120 | 10.0 | " | 1000 | | 112 | 75-125 | | | |
| <i>Surrogate 1-Chlorooctane</i> | 58.5 | | mg/kg | 50.0 | | 117 | 70-130 | | | |
| <i>Surrogate 1-Chlorooctadecane</i> | 52.7 | | " | 50.0 | | 105 | 70-130 | | | |

Calibration Check (EF60219-CCV1)

Prepared 06/02/06 Analyzed 06/05/06

| | | | | | | | | | | |
|-------------------------------------|------|--|-------|------|--|-----|--------|--|--|--|
| Carbon Ranges C6-C12 | 290 | | mg/kg | 250 | | 116 | 80-120 | | | |
| Carbon Ranges C12-C28 | 294 | | " | 250 | | 118 | 80-120 | | | |
| Total Hydrocarbon nC6-nC35 | 584 | | " | 500 | | 117 | 80-120 | | | |
| <i>Surrogate 1-Chlorooctane</i> | 57.9 | | " | 50.0 | | 116 | 70-130 | | | |
| <i>Surrogate 1-Chlorooctadecane</i> | 58.2 | | " | 50.0 | | 116 | 70-130 | | | |

Matrix Spike (EF60219-MS1)

Source: 6F02008-01

Prepared 06/02/06 Analyzed 06/05/06

| | | | | | | | | | | |
|-------------------------------------|------|------|-----------|------|------|------|--------|--|--|--|
| Carbon Ranges C6-C12 | 734 | 10.0 | mg/kg dry | 696 | ND | 105 | 75-125 | | | |
| Carbon Ranges C12-C28 | 728 | 10.0 | " | 696 | 42.5 | 98.5 | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 1460 | 10.0 | " | 1390 | 42.5 | 102 | 75-125 | | | |
| <i>Surrogate 1-Chlorooctane</i> | 55.6 | | mg/kg | 50.0 | | 111 | 70-130 | | | |
| <i>Surrogate 1-Chlorooctadecane</i> | 47.3 | | " | 50.0 | | 94.6 | 70-130 | | | |

Plains All American EH & S
 1301 S County Road 1150
 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number. OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/05/06 14.12

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60219 - Solvent Extraction (GC)

| Matrix Spike Dup (EF60219-MSD1) | Source: 6F02008-01 | | | Prepared | 06/02/06 | Analyzed | 06/05/06 | | | |
|---------------------------------|--------------------|------|-----------|----------|----------|----------|----------|-------|----|--|
| Carbon Ranges C6-C12 | 724 | 10.0 | mg/kg dry | 696 | ND | 104 | 75-125 | 1.37 | 20 | |
| Carbon Ranges C12-C28 | 734 | 10.0 | " | 696 | 42.5 | 99.4 | 75-125 | 0.821 | 20 | |
| Total Hydrocarbon nC6-nC35 | 1460 | 10.0 | " | 1390 | 42.5 | 102 | 75-125 | 0.00 | 20 | |
| Surrogate 1-Chlorooctane | 55.0 | | mg/kg | 50.0 | | 110 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 46.4 | | " | 50.0 | | 92.8 | 70-130 | | | |

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 Project Number. OSI #01-01-04
 Project Manager. Daniel Bryant

Fax. (432) 687-4914

Reported:
 06/05/06 14 12

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|--|------|-------------|-------|-----------|-------|
| Batch EF60307 - Water Extraction | | | | | | | | | | |
| Blank (EF60307-BLK1) | | | | | Prepared & Analyzed: 02/03/06 | | | | | |
| Chloride | ND | 0.500 | mg/kg | | | | | | | |
| LCS (EF60307-BS1) | | | | | Prepared & Analyzed: 02/03/06 | | | | | |
| Chloride | 9.29 | | mg/L | 10.0 | | 92.9 | 80-120 | | | |
| Calibration Check (EF60307-CCV1) | | | | | Prepared & Analyzed: 02/03/06 | | | | | |
| Chloride | 10.0 | | mg/L | 10.0 | | 100 | 80-120 | | | |
| Duplicate (EF60307-DUP1) | | | | | Source: 6F01018-01 Prepared & Analyzed: 02/03/06 | | | | | |
| Chloride | 3500 | 50.0 | mg/kg | | 3620 | | | 3.37 | 20 | |
| Duplicate (EF60307-DUP2) | | | | | Source: 6F01016-03 Prepared & Analyzed: 02/03/06 | | | | | |
| Chloride | 2120 | 50.0 | mg/kg | | 2050 | | | 3.36 | 20 | |
| Matrix Spike (EF60307-MS1) | | | | | Source: 6F01018-01 Prepared & Analyzed: 02/03/06 | | | | | |
| Chloride | 4960 | 50.0 | mg/kg | 1000 | 3620 | 134 | 80-120 | | | S-07 |
| Matrix Spike (EF60307-MS2) | | | | | Source: 6F01016-03 Prepared & Analyzed: 02/03/06 | | | | | |
| Chloride | 3270 | 50.0 | mg/kg | 1000 | 2050 | 122 | 80-120 | | | S-07 |
| Batch EF60502 - General Preparation (Prep) | | | | | | | | | | |
| Duplicate (EF60502-DUP1) | | | | | Source: 6F02008-01 Prepared: 06/02/06 Analyzed: 06/06/06 | | | | | |
| % Solids | 73.2 | | % | | 71.8 | | | 1.93 | 20 | |
| Duplicate (EF60502-DUP2) | | | | | Source: 6F02010-01 Prepared: 06/02/06 Analyzed: 06/06/06 | | | | | |
| % Solids | 98.8 | | % | | 98.7 | | | 0.101 | 20 | |

| | | |
|--|--|--|
| Plains All American EH & S 1301 S. County Road 1150 Midland TX, 79706-4476 | Project Anadarko Penrose #1 Project Number OSI #01-01-04 Project Manager Daniel Bryant | Fax (432) 687-4914 Reported: 06/05/06 14 12 |
|--|--|--|

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60502 - General Preparation (Prep)

| | | | | | | | | | | |
|---------------------------------|---------------------------|--------------------------|--------------------------|------|--|--|--|------|----|--|
| Duplicate (EF60502-DUP3) | Source: 6F01016-01 | Prepared 06/02/06 | Analyzed 06/06/06 | | | | | | | |
| % Solids | 99.9 | % | | 99.9 | | | | 0.00 | 20 | |

Plains All American EH & S
 1301 S County Road 1150
 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/05/06 14 12

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60303 - EPA 5030C (GCMS)

Blank (EF60303-BLK1)

Prepared 06/02/06 Analyzed 06/03/06

| | | | | | | | | | | |
|--|------|------|-----------|------|--|------|--------|--|--|--|
| Benzene | ND | 25.0 | ug/kg wet | | | | | | | |
| Toluene | ND | 25.0 | " | | | | | | | |
| Ethylbenzene | ND | 25.0 | " | | | | | | | |
| Xylene (p/m) | ND | 25.0 | " | | | | | | | |
| Xylene (o) | ND | 25.0 | " | | | | | | | |
| <i>Surrogate Dibromofluoromethane</i> | 62.9 | | ug/kg | 50.0 | | 126 | 68-129 | | | |
| <i>Surrogate 1,2-Dichloroethane-d4</i> | 53.4 | | " | 50.0 | | 107 | 72-132 | | | |
| <i>Surrogate Toluene-d8</i> | 49.9 | | " | 50.0 | | 99.8 | 74-118 | | | |
| <i>Surrogate 4-Bromofluorobenzene</i> | 42.0 | | " | 50.0 | | 84.0 | 65-140 | | | |

LCS (EF60303-BS1)

Prepared 06/02/06 Analyzed 06/03/06

| | | | | | | | | | | |
|--|------|------|-----------|------|--|------|--------|--|--|--|
| Benzene | 575 | 25.0 | ug/kg wet | 625 | | 92.0 | 70-130 | | | |
| Toluene | 607 | 25.0 | " | 625 | | 97.1 | 70-130 | | | |
| Ethylbenzene | 662 | 25.0 | " | 625 | | 106 | 70-130 | | | |
| Xylene (p/m) | 1210 | 25.0 | " | 1250 | | 96.8 | 70-130 | | | |
| Xylene (o) | 643 | 25.0 | " | 625 | | 103 | 70-130 | | | |
| <i>Surrogate Dibromofluoromethane</i> | 48.1 | | ug/kg | 50.0 | | 96.2 | 68-129 | | | |
| <i>Surrogate 1,2-Dichloroethane-d4</i> | 42.2 | | " | 50.0 | | 84.4 | 72-132 | | | |
| <i>Surrogate Toluene-d8</i> | 43.5 | | " | 50.0 | | 87.0 | 74-118 | | | |
| <i>Surrogate 4-Bromofluorobenzene</i> | 38.4 | | " | 50.0 | | 76.8 | 65-140 | | | |

Calibration Check (EF60303-CCV1)

Prepared 06/02/06 Analyzed 06/03/06

| | | | | | | | | | | |
|--|------|--|-------|------|--|------|--------|--|--|--|
| Toluene | 46.9 | | ug/kg | 50.0 | | 93.8 | 70-130 | | | |
| Ethylbenzene | 40.2 | | " | 50.0 | | 80.4 | 70-130 | | | |
| <i>Surrogate Dibromofluoromethane</i> | 48.2 | | " | 50.0 | | 96.4 | 68-129 | | | |
| <i>Surrogate 1,2-Dichloroethane-d4</i> | 41.6 | | " | 50.0 | | 83.2 | 72-132 | | | |
| <i>Surrogate Toluene-d8</i> | 45.1 | | " | 50.0 | | 90.2 | 74-118 | | | |
| <i>Surrogate 4-Bromofluorobenzene</i> | 38.7 | | " | 50.0 | | 77.4 | 65-140 | | | |

Plains All American EH & S
 1301 S County Road 1150
 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager: Daniel Bryant

Fax (432) 687-4914

Reported:
 06/05/06 14.12

**Volatile Organic Compounds by EPA Method 8260B - Quality Control
 Environmental Lab of Texas**

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60303 - EPA 5030C (GCMS)

| Matrix Spike (EF60303-MS1) | Source: 6F01014-02 | | | Prepared 06/02/06 Analyzed 06/05/06 | | | | | | |
|--|---------------------------|------|--------------|--|----|-------------|---------------|--|--|--|
| Benzene | 639 | 25.0 | ug/kg dry | 667 | ND | 95.8 | 80-120 | | | |
| Toluene | 678 | 25.0 | " | 667 | ND | 102 | 80-120 | | | |
| Ethylbenzene | 738 | 25.0 | " | 667 | ND | 111 | 80-120 | | | |
| Xylene (p/m) | 1350 | 25.0 | " | 1330 | ND | 102 | 80-120 | | | |
| Xylene (o) | 714 | 25.0 | " | 667 | ND | 107 | 80-120 | | | |
| <i>Surrogate Dibromofluoromethane</i> | <i>48.4</i> | | <i>ug/kg</i> | <i>50.0</i> | | <i>96.8</i> | <i>68-129</i> | | | |
| <i>Surrogate 1,2-Dichloroethane-d4</i> | <i>42.5</i> | | <i>"</i> | <i>50.0</i> | | <i>85.0</i> | <i>72-132</i> | | | |
| <i>Surrogate Toluene-d8</i> | <i>44.0</i> | | <i>"</i> | <i>50.0</i> | | <i>88.0</i> | <i>74-118</i> | | | |
| <i>Surrogate 4-Bromofluorobenzene</i> | <i>41.1</i> | | <i>"</i> | <i>50.0</i> | | <i>82.2</i> | <i>65-140</i> | | | |

| Matrix Spike Dup (EF60303-MSD1) | Source: 6F01014-02 | | | Prepared 06/02/06 Analyzed 06/05/06 | | | | | | |
|--|---------------------------|------|--------------|--|----|-------------|---------------|------|----|--|
| Benzene | 620 | 25.0 | ug/kg dry | 667 | ND | 93.0 | 80-120 | 2.97 | 20 | |
| Toluene | 659 | 25.0 | " | 667 | ND | 98.8 | 80-120 | 3.19 | 20 | |
| Ethylbenzene | 726 | 25.0 | " | 667 | ND | 109 | 80-120 | 1.82 | 20 | |
| Xylene (p/m) | 1330 | 25.0 | " | 1330 | ND | 100 | 80-120 | 1.98 | 20 | |
| Xylene (o) | 701 | 25.0 | " | 667 | ND | 105 | 80-120 | 1.89 | 20 | |
| <i>Surrogate Dibromofluoromethane</i> | <i>45.4</i> | | <i>ug/kg</i> | <i>50.0</i> | | <i>90.8</i> | <i>68-129</i> | | | |
| <i>Surrogate 1,2-Dichloroethane-d4</i> | <i>41.3</i> | | <i>"</i> | <i>50.0</i> | | <i>82.6</i> | <i>72-132</i> | | | |
| <i>Surrogate Toluene-d8</i> | <i>42.8</i> | | <i>"</i> | <i>50.0</i> | | <i>85.6</i> | <i>74-118</i> | | | |
| <i>Surrogate 4-Bromofluorobenzene</i> | <i>40.1</i> | | <i>"</i> | <i>50.0</i> | | <i>80.2</i> | <i>65-140</i> | | | |

Plains All American EH & S
1301 S County Road 1150
Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number OSI #01-01-04
Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
06/05/06 14 12

Notes and Definitions

S-07 Recovery outside Laboratory historical or method prescribed limits
J Detected but below the Reporting Limit, therefore, result is an estimated concentration (CLP J-Flag)
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By: _____

Raland K. Tuttle

Date: 6/5/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornush, Chemist
Sandra Sanchez, Lab Tech.

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If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas

Page 12 of 12

per Cindy

| CLIENT NAME: <i>Plains</i> | | SITE MANAGER: <i>Cindy Cain</i> | | PARAMETERS/METHOD NUMBER | | | | CHAIN—OF—CUSTODY RECORD | | | | | |
|--|-------------|--|-------------------------------------|---|---|-------------------------------------|-------------------------------------|--|---------------------|-----------------------------|--|--|--|
| PROJECT NO.: <i>OSI 01-01-04</i> | | PROJECT NAME: <i>Anadarko Perrose</i> | | NUMBER OF CONTAINERS | <i>TPH 8015M</i> | <i>Chloride</i> | <i>ATX 80215M</i> |  Environmental Consultants Fax: 432-687-0456 432-687-0901 507 N. Marienfeld, Ste. 202 • Midland, TX 79701 | | | | | |
| PAGE <i>1</i> OF <i>1</i> | LAB. PO # | | LAB. I.D. NUMBER (LAB USE ONLY) | | | | | REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE) | | | | | |
| DATE | TIME | WATER | SOIL | OTHER | SAMPLE IDENTIFICATION | | | | | | | | |
| <i>4/1/04</i> | <i>1245</i> | | <input checked="" type="checkbox"/> | | <i>1</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <i>LF02008-01</i> | | | | |
| " | <i>1250</i> | | <input checked="" type="checkbox"/> | | <i>1</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>-02</i> | | | |
| " | <i>1253</i> | | <input checked="" type="checkbox"/> | | <i>1</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>-03</i> | | | |
| " | <i>1255</i> | | <input checked="" type="checkbox"/> | | <i>1</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>-04</i> | | | |
| " | <i>1257</i> | | <input checked="" type="checkbox"/> | | <i>1</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>-05</i> | | | |
| " | <i>1300</i> | | <input checked="" type="checkbox"/> | | <i>1</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <i>-06</i> | | | |
| " | <i>1305</i> | | <input type="checkbox"/> | | <i>1</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <i>-07</i> | | | |
| " | <i>1307</i> | | <input checked="" type="checkbox"/> | | <i>1</i> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | <i>-08</i> | | | |
| SAMPLED BY: (Signature) <i>Cindy Cain</i> | | | | DATE: <i>4/1/04</i> | RELINQUISHED BY: (Signature) <i>Cindy Cain</i> | | | | DATE: <i>4/2/04</i> | RECEIVED BY: (Signature) | | | |
| | | | | TIME: <i>1307</i> | | | | | TIME: <i>1930</i> | DATE: _____ | | | |
| RELINQUISHED BY: (Signature) | | | | DATE: _____ | RECEIVED BY: (Signature) | | | | DATE: _____ | SAMPLE SHIPPED BY: (Circle) | | | |
| | | | | TIME: _____ | | | | | TIME: _____ | FEDEX _____ | | | |
| COMMENTS: | | | | TURNAROUND TIME NEEDED | | | | <input checked="" type="checkbox"/> HAND DELIVERED <input type="checkbox"/> BUS AIRBILL #: _____ <input type="checkbox"/> UPS OTHER: _____ | | | | | |
| RECEIVING LABORATORY: <i>ELOT</i> | | | | RECEIVED BY: (Signature) <i>Cindy Cain</i> | | | | WHITE — RECEIVING LAB YELLOW — RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT) PINK — PROJECT MANAGER GOLD — QA/QC COORDINATOR | | | | | |
| ADDRESS: _____ | | | | CITY: _____ STATE: _____ ZIP: _____ | | | | DATE: <i>4/2/04</i> TIME: <i>09:45</i> | | | | | |
| CONTACT: _____ | | | | PHONE: _____ | | | | SAMPLE TYPE: <i>Soil</i> | | | | | |
| SAMPLE CONDITION WHEN RECEIVED: <i>w/o labels</i> | | | | RESULTS <i>June 5th</i> | | | | LA CONTACT PERSON: <i>C. Cain</i> | | | | | |

4.500

Monday 4/2/04

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

Client Plains
 Date/Time: 6/2/06 9:45
 Order #: WFO2008
 Initials: UK

Sample Receipt Checklist

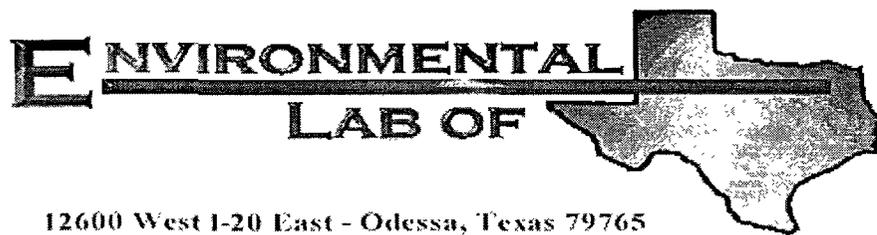
| | Yes | No | |
|---|-------------------------------------|----|--------------------|
| Temperature of container/cooler? | | | 4.5 C |
| Shipping container/cooler in good condition? | <input checked="" type="checkbox"/> | No | |
| Custody Seals intact on shipping container/cooler? | Yes | No | <u>Not present</u> |
| Custody Seals intact on sample bottles? | Yes | No | <u>Not present</u> |
| Chain of custody present? | <input checked="" type="checkbox"/> | No | |
| Sample Instructions complete on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Chain of Custody signed when relinquished and received? | <input checked="" type="checkbox"/> | No | |
| Chain of custody agrees with sample label(s) | <input checked="" type="checkbox"/> | No | |
| Container labels legible and intact? | <input checked="" type="checkbox"/> | No | |
| Sample Matrix and properties same as on chain of custody? | <input checked="" type="checkbox"/> | No | |
| Samples in proper container/bottle? | <input checked="" type="checkbox"/> | No | |
| Samples properly preserved? | <input checked="" type="checkbox"/> | No | |
| Sample bottles intact? | <input checked="" type="checkbox"/> | No | |
| Preservations documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Containers documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Sufficient sample amount for indicated test? | <input checked="" type="checkbox"/> | No | |
| All samples received within sufficient hold time? | <input checked="" type="checkbox"/> | No | |
| VOC samples have zero headspace? | <input checked="" type="checkbox"/> | No | Not Applicable |

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Anadarko Penrose #1

Project Number: OSI #01-01-04

Location: None Given

Lab Order Number: 6F06002

Report Date: 06/07/06

Plains All American EH & S
1301 S County Road 1150
Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number: OSI #01-01-04
Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
06/07/06 14 04

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| Spoil 5 | 6F06002-01 | Soil | 06/05/06 12 15 | 06/05/06 16.15 |
| Spoil 6 | 6F06002-02 | Soil | 06/05/06 12 24 | 06/05/06 16 15 |
| Spoil 7 | 6F06002-03 | Soil | 06/05/06 12 30 | 06/05/06 16 15 |

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Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/07/06 14 04

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|-------------|-----------------|-----------|----------|----------|----------|----------|-----------|-------|
| Spoil 5 (6F06002-01) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 92.8 | 20.0 | mg/kg dry | 2 | EF60610 | 06/06/06 | 06/06/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 676 | 20.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 175 | 20.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 944 | 20.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 47.2 % | 70-130 | | " | " | " | " | S-06 |
| Surrogate: 1-Chlorooctadecane | | 53.2 % | 70-130 | | " | " | " | " | S-06 |
| Spoil 6 (6F06002-02) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 255 | 20.0 | mg/kg dry | 2 | EF60610 | 06/06/06 | 06/06/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 1490 | 20.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 340 | 20.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 2080 | 20.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 49.4 % | 70-130 | | " | " | " | " | S-06 |
| Surrogate: 1-Chlorooctadecane | | 57.4 % | 70-130 | | " | " | " | " | S-06 |
| Spoil 7 (6F06002-03) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 227 | 20.0 | mg/kg dry | 2 | EF60610 | 06/06/06 | 06/06/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 1510 | 20.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 331 | 20.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 2070 | 20.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 50.0 % | 70-130 | | " | " | " | " | S-06 |
| Surrogate: 1-Chlorooctadecane | | 57.4 % | 70-130 | | " | " | " | " | S-06 |

Plains All American EH & S
1301 S County Road 1150
Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number: OSI #01-01-04
Project Manager: Daniel Bryant

Fax (432) 687-4914

Reported:
06/07/06 14 04

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Spoil 5 (6F06002-01) Soil | | | | | | | | | |
| Chloride | 13.8 | 5 00 | mg/kg | 10 | EF60702 | 06/06/06 | 06/06/06 | EPA 300 0 | |
| % Moisture | 2.8 | 0 1 | % | 1 | EF60709 | 06/06/06 | 06/07/06 | % calculation | |
| Spoil 6 (6F06002-02) Soil | | | | | | | | | |
| Chloride | 17.5 | 5 00 | mg/kg | 10 | EF60702 | 06/06/06 | 06/06/06 | EPA 300 0 | |
| % Moisture | 4.4 | 0 1 | % | 1 | EF60709 | 06/06/06 | 06/07/06 | % calculation | |
| Spoil 7 (6F06002-03) Soil | | | | | | | | | |
| Chloride | 16.7 | 5 00 | mg/kg | 10 | EF60702 | 06/06/06 | 06/06/06 | EPA 300 0 | |
| % Moisture | 3.6 | 0 1 | % | 1 | EF60709 | 06/06/06 | 06/07/06 | % calculation | |

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 1301 S. County Road 1150
 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/07/06 14.04

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-----------|-------------|---------------|------|-------------|-----|-----------|-------|
| Batch EF60610 - Solvent Extraction (GC) | | | | | | | | | | |
| Blank (EF60610-BLK1) | | | | | | | | | | |
| Prepared & Analyzed 06/06/06 | | | | | | | | | | |
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg wet | | | | | | | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | | | | | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | | | | | | | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | | | | | | | |
| Surrogate 1-Chlorooctane | 50.8 | | mg/kg | 50.0 | | 102 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 55.6 | | " | 50.0 | | 111 | 70-130 | | | |
| LCS (EF60610-BS1) | | | | | | | | | | |
| Prepared & Analyzed 06/06/06 | | | | | | | | | | |
| Carbon Ranges C6-C12 | 559 | 10.0 | mg/kg wet | 500 | | 112 | 75-125 | | | |
| Carbon Ranges C12-C28 | 497 | 10.0 | " | 500 | | 99.4 | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 1060 | 10.0 | " | 1000 | | 106 | 75-125 | | | |
| Surrogate 1-Chlorooctane | 57.0 | | mg/kg | 50.0 | | 114 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 53.8 | | " | 50.0 | | 108 | 70-130 | | | |
| Calibration Check (EF60610-CCV1) | | | | | | | | | | |
| Prepared 06/06/06 Analyzed 06/07/06 | | | | | | | | | | |
| Carbon Ranges C6-C12 | 284 | | mg/kg | 250 | | 114 | 80-120 | | | |
| Carbon Ranges C12-C28 | 293 | | " | 250 | | 117 | 80-120 | | | |
| Total Hydrocarbon nC6-nC35 | 577 | | " | 500 | | 115 | 80-120 | | | |
| Surrogate 1-Chlorooctane | 53.7 | | " | 50.0 | | 107 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 57.3 | | " | 50.0 | | 115 | 70-130 | | | |
| Matrix Spike (EF60610-MS1) | | | | | | | | | | |
| Source: 6F06004-01 | | | | | | | | | | |
| Prepared & Analyzed 06/06/06 | | | | | | | | | | |
| Carbon Ranges C6-C12 | 121 | 10.0 | mg/kg dry | 106 | ND | 114 | 75-125 | | | |
| Carbon Ranges C12-C28 | 117 | 10.0 | " | 106 | ND | 110 | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 238 | 10.0 | " | 212 | ND | 112 | 75-125 | | | |
| Surrogate 1-Chlorooctane | 59.3 | | mg/kg | 50.0 | | 119 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 63.8 | | " | 50.0 | | 128 | 70-130 | | | |

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 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/07/06 14 04

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60610 - Solvent Extraction (GC)

Matrix Spike Dup (EF60610-MSD1)

Source: 6F06004-01

Prepared & Analyzed 06/06/06

| | | | | | | | | | | |
|------------------------------|------|-----|-----------|------|----|-----|--------|-------|----|--|
| Carbon Ranges C6-C12 | 121 | 100 | mg/kg dry | 106 | ND | 114 | 75-125 | 0.00 | 20 | |
| Carbon Ranges C12-C28 | 118 | 100 | " | 106 | ND | 111 | 75-125 | 0.851 | 20 | |
| Total Hydrocarbon nC6-nC35 | 239 | 100 | " | 212 | ND | 113 | 75-125 | 0.419 | 20 | |
| Surrogate 1-Chlorooctane | 58.5 | | mg/kg | 50.0 | | 117 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 64.2 | | " | 50.0 | | 128 | 70-130 | | | |

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Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/07/06 14 04

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60702 - Water Extraction

Blank (EF60702-BLK1) Prepared & Analyzed 06/06/06

| | | | | | | | | | | |
|----------|----|-------|-------|--|--|--|--|--|--|--|
| Chloride | ND | 0 500 | mg/kg | | | | | | | |
|----------|----|-------|-------|--|--|--|--|--|--|--|

LCS (EF60702-BS1) Prepared & Analyzed 06/06/06

| | | | | | | | | | | |
|----------|------|-------|-------|------|--|-----|--------|--|--|--|
| Chloride | 10 5 | 0 500 | mg/kg | 10 0 | | 105 | 80-120 | | | |
|----------|------|-------|-------|------|--|-----|--------|--|--|--|

Calibration Check (EF60702-CCV1) Prepared & Analyzed 06/06/06

| | | | | | | | | | | |
|----------|------|--|------|------|--|-----|--------|--|--|--|
| Chloride | 10 8 | | mg/L | 10.0 | | 108 | 80-120 | | | |
|----------|------|--|------|------|--|-----|--------|--|--|--|

Duplicate (EF60702-DUP1) Source: 6F06006-02 Prepared & Analyzed 06/06/06

| | | | | | | | | | | |
|----------|------|------|-------|--|------|--|--|-------|----|--|
| Chloride | 4280 | 50.0 | mg/kg | | 4270 | | | 0 234 | 20 | |
|----------|------|------|-------|--|------|--|--|-------|----|--|

Duplicate (EF60702-DUP2) Source: 6F06006-12 Prepared & Analyzed 06/07/06

| | | | | | | | | | | |
|----------|-------|-----|-------|--|-------|--|--|------|----|--|
| Chloride | 11300 | 200 | mg/kg | | 11300 | | | 0 00 | 20 | |
|----------|-------|-----|-------|--|-------|--|--|------|----|--|

Matrix Spike (EF60702-MS1) Source: 6F06006-02 Prepared & Analyzed 06/06/06

| | | | | | | | | | | |
|----------|------|------|-------|------|------|-----|--------|--|--|--|
| Chloride | 5330 | 50.0 | mg/kg | 1000 | 4270 | 106 | 80-120 | | | |
|----------|------|------|-------|------|------|-----|--------|--|--|--|

Matrix Spike (EF60702-MS2) Source: 6F06006-12 Prepared & Analyzed 06/07/06

| | | | | | | | | | | |
|----------|-------|-----|-------|------|-------|-----|--------|--|--|--|
| Chloride | 17000 | 200 | mg/kg | 5000 | 11300 | 114 | 80-120 | | | |
|----------|-------|-----|-------|------|-------|-----|--------|--|--|--|

Batch EF60709 - General Preparation (Prep)

Blank (EF60709-BLK1) Prepared 06/06/06 Analyzed 06/07/06

| | | | | | | | | | | |
|----------|-----|--|---|--|--|--|--|--|--|--|
| % Solids | 100 | | % | | | | | | | |
|----------|-----|--|---|--|--|--|--|--|--|--|

Duplicate (EF60709-DUP1) Source: 6F05012-01 Prepared 06/06/06 Analyzed 06/07/06

| | | | | | | | | | | |
|----------|------|--|---|--|------|--|--|-------|----|--|
| % Solids | 98 9 | | % | | 98 8 | | | 0 101 | 20 | |
|----------|------|--|---|--|------|--|--|-------|----|--|

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 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/07/06 14 04

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60709 - General Preparation (Prep)

| | | | | | | | | | | |
|---------------------------------|------|---------------------------|---|--|-------------------|-------------------|--|-------|----|--|
| Duplicate (EF60709-DUP2) | | Source: 6F06004-02 | | | Prepared 06/06/06 | Analyzed 06/07/06 | | | | |
| % Solids | 97.9 | | % | | 98.9 | | | 1.02 | 20 | |
| Duplicate (EF60709-DUP3) | | Source: 6F06007-01 | | | Prepared 06/06/06 | Analyzed 06/07/06 | | | | |
| % Solids | 94.8 | | % | | 95.4 | | | 0.631 | 20 | |
| Duplicate (EF60709-DUP4) | | Source: 6F06015-07 | | | Prepared 06/06/06 | Analyzed 06/07/06 | | | | |
| % Solids | 83.6 | | % | | 86.2 | | | 3.06 | 20 | |

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1301 S County Road 1150
Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number OSI #01-01-04
Project Manager: Daniel Bryant

Fax (432) 687-4914

Reported:
06/07/06 14 04

Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:

Raland K Tuttle

Date:

6/7/2006

Raland K Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800

| | | | | | | | | | | | | | | | | |
|---|-------------|---|------------------------------------|--|----------------|------------------------|-------------------|--|--|---|-----------------------|----------|----------|----------|----------|--|
| CLIENT NAME: Plains | | SITE MANAGER: Cindy Crain | | PARAMETERS/METHOD NUMBER | | | | CHAIN—OF—CUSTODY RECORD | | | | | | | | |
| PROJECT NO: 5-0103 | | PROJECT NAME: Anadarko Perrossett | | NUMBER OF CONTAINERS | TPH | BATS | OR | BTEX | Chlorides |  Fax: 432-687-0456 432-687-0901 507 N. Marienfeld, Ste. 202 • Midland, TX 79701 | | | | | | |
| PAGE 1 OF 1 | LAB. PO # | | LAB. I.D. NUMBER (LAB USE ONLY) | | | | | | | REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE) | | | | | | |
| DATE | TIME | WATER | SOIL | | | | | | | OTHER | SAMPLE IDENTIFICATION | | | | | |
| 5/5 | 1215 | | X | | | | | | | | Spoil 5 | 1 | X | X | X | |
| | 1224 | | | | Spoil 6 | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| ↓ | 1230 | | ↓ | | Spoil 7 | ↓ | ↓ | ↓ | ↓ | | | | | | | |
| SAMPLED BY: (Signature) <i>[Signature]</i> | | DATE: 6/5/06 | TIME: 1245 | RELINQUISHED BY: (Signature) <i>[Signature]</i> | | DATE: 6/5/06 | TIME: 1615 | RECEIVED BY: (Signature) | | DATE: _____ | TIME: _____ | | | | | |
| RELINQUISHED BY: (Signature) | | DATE: _____ | TIME: _____ | RECEIVED BY: (Signature) | | DATE: _____ | TIME: _____ | SAMPLE SHIPPED BY: (Circle) | | AIRBILL #: _____ | | | | | | |
| COMMENTS: | | | | | | TURNAROUND TIME NEEDED | | | FEDEX _____ BUS _____ HAND DELIVERED _____ UPS _____ OTHER: _____ | | | | | | | |
| RECEIVING LABORATORY: _____ | | | | RECEIVED BY: (Signature) <i>[Signature]</i> | | | | WHITE - RECEIVING LAB YELLOW - RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT) PINK - PROJECT MANAGER GOLD - QA/QC COORDINATOR | | | | | | | | |
| ADDRESS: _____ | | CITY: _____ | | STATE: _____ | ZIP: _____ | DATE: 6/5/06 | | TIME: 16:15 | | SAMPLE TYPE: | | | | | | |
| CONTACT: _____ | | PHONE: _____ | | SAMPLE CONDITION WHEN RECEIVED: 15°C in glass RUSH | | | | LA CONTACT PERSON: <i>[Signature]</i> | | | | | | | | |

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

Client: Flains

Date/Time: 6/5/06 16:15

Order # 6F06002

Initials: CK

Sample Receipt Checklist

| | | | |
|---|-------------------------------------|----|------------------------|
| Temperature of container/cooler? | Yes | No | 45 C |
| Snipping container/cooler in good condition? | <input checked="" type="checkbox"/> | No | |
| Custody Seals intact on shipping container/cooler? | Yes | No | Not present |
| Custody Seals intact on sample bottles? | Yes | No | Not present |
| Chain of custody present? | <input checked="" type="checkbox"/> | No | |
| Sample Instructions complete on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Chain of Custody signed when relinquished and received? | <input checked="" type="checkbox"/> | No | |
| Chain of custody agrees with sample label(s) | <input checked="" type="checkbox"/> | No | Adon jar |
| Container labels legible and intact? | Yes | No | |
| Sample Matrix and properties same as on chain of custody? | <input checked="" type="checkbox"/> | No | |
| Samples in proper container/bottle? | <input checked="" type="checkbox"/> | No | |
| Samples properly preserved? | <input checked="" type="checkbox"/> | No | |
| Sample bottles intact? | <input checked="" type="checkbox"/> | No | |
| Preservations documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Containers documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Sufficient sample amount for indicated test? | <input checked="" type="checkbox"/> | No | |
| All samples received within sufficient hold time? | <input checked="" type="checkbox"/> | No | |
| VOC samples have zero headspace? | <input checked="" type="checkbox"/> | No | Not Applicable |

Other observations:

Variance Documentation:

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

Corrective Action Taken:

Jeanne McMurrey

From: "Cindy Crain" <cindy@laenvironmental.com>
To: "Jeanne McMurrey" <jeanne@elabtxas.com>
Sent: Tuesday, June 06, 2006 2:46 PM
Subject: RE: Report #6E30006 Anadarko Penrose #1

Thank you Jeanne!

On the samples that Steve brought in yesterday (5/5/06) for this project, would you please delete the request for BTEX analysis and run only the TPH and chlorides.

The samples should be Spoil 5, Spoil 6 and Spoil 7.

Thank you,

Cindy K. Crain, P.G.

Larson and Associates, Inc.
507 N. Marienfeld, Ste.202
Midland, TX 79701

office: (432) 687-0901
fax: (432) 687-0456
cell: (432) 556-8665

-----Original Message-----

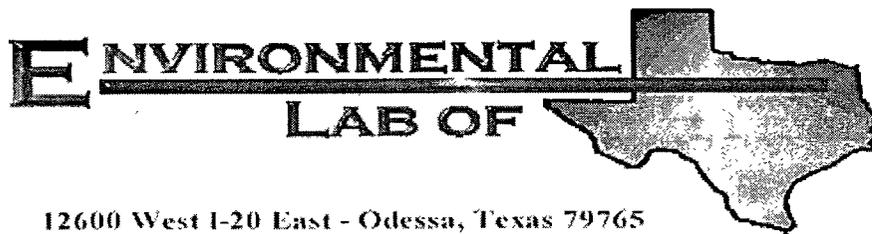
From: Jeanne McMurrey [mailto:jeanne@elabtxas.com]
Sent: Tuesday, June 06, 2006 1:13 PM
To: Kellie Carter; Daniel M. Bryant; Cindy Crain
Subject: Re: Report #6E30006 Anadarko Penrose #1

Jeanne McMurrey
Environmental Lab of Texas I, Ltd.
12600 West I-20 East
Odessa, Texas 79765
432-563-1800

--
This message has been scanned for viruses and dangerous content by BasinBroadband, and is believed to be clean.

--
This message has been scanned for viruses and dangerous content by BasinBroadband, and is believed to be clean.

6/6/2006



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Anadarko Penrose #1

Project Number: OSI #01-01-04

Location: None Given

Lab Order Number: 6F06024

Report Date: 06/07/06

Plains All American EH & S
1301 S County Road 1150
Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number. OSI #01-01-04
Project Manager. Daniel Bryant

Fax (432) 687-4914

Reported:
06/07/06 16 45

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| Spoil 8 | 6F06024-01 | Soil | 06/06/06 14 05 | 06/06/06 16 48 |

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 Midland TX, 79706-4476

Project: Anadarko Penrose #1
 Project Number: OSI #01-01-04
 Project Manager: Daniel Bryant

Fax (432) 687-4914

Reported:
 06/07/06 16.45

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------------------|-------------|--------------------|---------------|----------|----------|----------|----------|-----------|-------------|
| Spoil 8 (6F06024-01) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 150 | 10 0 | mg/kg dry | 1 | EF60610 | 06/06/06 | 06/07/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 971 | 10 0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 173 | 10 0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 1290 | 10 0 | " | " | " | " | " | " | |
| <i>Surrogate: 1-Chlorooctane</i> | | <i>110 %</i> | <i>70-130</i> | | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | |
| <i>Surrogate: 1-Chlorooctadecane</i> | | <i>135 %</i> | <i>70-130</i> | | <i>"</i> | <i>"</i> | <i>"</i> | <i>"</i> | <i>S-04</i> |

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Project Anadarko Penrose #1
Project Number OSI #01-01-04
Project Manager Daniel Bryant

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Reported:
06/07/06 16.45

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| Spoil 8 (6F06024-01) Soil | | | | | | | | | |
| Chloride | 14.7 | 5.00 | mg/kg | 10 | EF60703 | 06/06/06 | 06/07/06 | EPA 300.0 | |
| % Moisture | 1.8 | 0.1 | % | 1 | EF60711 | 06/07/06 | 06/07/06 | % calculation | |

Plains All American EH & S
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Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax. (432) 687-4914

Reported:
 06/07/06 16.45

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60610 - Solvent Extraction (GC)

| Blank (EF60610-BLK1) | | Prepared & Analyzed 06/06/06 | | | | | | | | |
|------------------------------|------|------------------------------|-----------|------|--|-----|--------|--|--|--|
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg wet | | | | | | | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | | | | | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | | | | | | | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | | | | | | | |
| Surrogate: 1-Chlorooctane | 50.8 | | mg/kg | 50.0 | | 102 | 70-130 | | | |
| Surrogate: 1-Chloroicadecane | 55.6 | | " | 50.0 | | 111 | 70-130 | | | |

| LCS (EF60610-BS1) | | Prepared & Analyzed 06/06/06 | | | | | | | | |
|------------------------------|------|------------------------------|-----------|------|--|------|--------|--|--|--|
| Carbon Ranges C6-C12 | 559 | 10.0 | mg/kg wet | 500 | | 112 | 75-125 | | | |
| Carbon Ranges C12-C28 | 497 | 10.0 | " | 500 | | 99.4 | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 1060 | 10.0 | " | 1000 | | 106 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 57.0 | | mg/kg | 50.0 | | 114 | 70-130 | | | |
| Surrogate: 1-Chloroicadecane | 53.8 | | " | 50.0 | | 108 | 70-130 | | | |

| Calibration Check (EF60610-CCV1) | | Prepared 06/06/06 Analyzed 06/07/06 | | | | | | | | |
|---|------|-------------------------------------|-------|------|--|-----|--------|--|--|--|
| Carbon Ranges C6-C12 | 284 | | mg/kg | 250 | | 114 | 80-120 | | | |
| Carbon Ranges C12-C28 | 293 | | " | 250 | | 117 | 80-120 | | | |
| Total Hydrocarbon nC6-nC35 | 577 | | " | 500 | | 115 | 80-120 | | | |
| Surrogate: 1-Chlorooctane | 53.7 | | " | 50.0 | | 107 | 70-130 | | | |
| Surrogate: 1-Chloroicadecane | 57.3 | | " | 50.0 | | 115 | 70-130 | | | |

| Matrix Spike (EF60610-MS1) | | Source: 6F06004-01 | | Prepared & Analyzed 06/06/06 | | | | | | |
|-----------------------------------|------|--------------------|-----------|------------------------------|----|-----|--------|--|--|--|
| Carbon Ranges C6-C12 | 121 | 10.0 | mg/kg dry | 106 | ND | 114 | 75-125 | | | |
| Carbon Ranges C12-C28 | 117 | 10.0 | " | 106 | ND | 110 | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 238 | 10.0 | " | 212 | ND | 112 | 75-125 | | | |
| Surrogate: 1-Chlorooctane | 59.3 | | mg/kg | 50.0 | | 119 | 70-130 | | | |
| Surrogate: 1-Chloroicadecane | 63.8 | | " | 50.0 | | 128 | 70-130 | | | |

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project: Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/07/06 16 45

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60610 - Solvent Extraction (GC)

Matrix Spike Dup (EF60610-MSD1)

Source: 6F06004-01

Prepared & Analyzed 06/06/06

| | | | | | | | | | | |
|------------------------------|------|------|-----------|------|----|-----|--------|-------|----|--|
| Carbon Ranges C6-C12 | 121 | 10.0 | mg/kg dry | 106 | ND | 114 | 75-125 | 0 00 | 20 | |
| Carbon Ranges C12-C28 | 118 | 10 0 | " | 106 | ND | 111 | 75-125 | 0 851 | 20 | |
| Total Hydrocarbon nC6-nC35 | 239 | 10 0 | " | 212 | ND | 113 | 75-125 | 0 419 | 20 | |
| Surrogate 1-Chlorooctane | 58 5 | | mg/kg | 50 0 | | 117 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 64 2 | | " | 50 0 | | 128 | 70-130 | | | |

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 Midland TX, 79706-4476

Project: Anadarko Penrose #1
 Project Number: OSI #01-01-04
 Project Manager: Daniel Bryant

Fax (432) 687-4914

Reported:
 06/07/06 16:45

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60703 - Water Extraction

Blank (EF60703-BLK1) Prepared: 06/06/06 Analyzed: 06/07/06

| | | | | | | | | | | |
|----------|----|-------|-------|--|--|--|--|--|--|--|
| Chloride | ND | 0.500 | mg/kg | | | | | | | |
|----------|----|-------|-------|--|--|--|--|--|--|--|

LCS (EF60703-BS1) Prepared: 06/06/06 Analyzed: 06/07/06

| | | | | | | | | | | |
|----------|------|-------|-------|------|--|------|--------|--|--|--|
| Chloride | 9.81 | 0.500 | mg/kg | 10.0 | | 98.1 | 80-120 | | | |
|----------|------|-------|-------|------|--|------|--------|--|--|--|

Calibration Check (EF60703-CCV1) Prepared: 06/06/06 Analyzed: 06/07/06

| | | | | | | | | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|
| Chloride | 9.44 | | mg/L | 10.0 | | 94.4 | 80-120 | | | |
|----------|------|--|------|------|--|------|--------|--|--|--|

Duplicate (EF60703-DUP1) Source: 6F06024-01 Prepared: 06/06/06 Analyzed: 06/07/06

| | | | | | | | | | | |
|----------|------|------|-------|--|------|--|--|------|----|--|
| Chloride | 15.4 | 5.00 | mg/kg | | 14.7 | | | 4.65 | 20 | |
|----------|------|------|-------|--|------|--|--|------|----|--|

Duplicate (EF60703-DUP2) Source: 6F05013-05 Prepared: 06/06/06 Analyzed: 06/07/06

| | | | | | | | | | | |
|----------|----|-------|-------|--|----|--|--|--|----|--|
| Chloride | ND | 0.500 | mg/kg | | ND | | | | 20 | |
|----------|----|-------|-------|--|----|--|--|--|----|--|

Matrix Spike (EF60703-MS1) Source: 6F06024-01 Prepared: 06/06/06 Analyzed: 06/07/06

| | | | | | | | | | | |
|----------|------|-------|-------|-----|------|------|--------|--|--|--|
| Chloride | 10.4 | 0.500 | mg/kg | 100 | 14.7 | 89.3 | 80-120 | | | |
|----------|------|-------|-------|-----|------|------|--------|--|--|--|

Matrix Spike (EF60703-MS2) Source: 6F05013-05 Prepared: 06/06/06 Analyzed: 06/07/06

| | | | | | | | | | | |
|----------|----|------|-------|-----|----|--|--------|--|--|--|
| Chloride | ND | 5.00 | mg/kg | 200 | ND | | 80-120 | | | |
|----------|----|------|-------|-----|----|--|--------|--|--|--|

Plains All American EH & S
1301 S County Road 1150
Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number OSI #01-01-04
Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
06/07/06 16.45

Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:

Raland K. Tuttle

Date

6/7/2006

Raland K. Tuttle, Lab Manager

Jeanne Mc Murrey, Inorg. Tech Director

Celey D. Keene, Lab Director, Org. Tech Director

LaTasha Cornish, Chemist

Peggy Allen, QA Officer

Sandra Sanchez, Lab Tech

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas

Page 7 of 7

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

Client Plains
 Date/Time 6/6/06 16:48
 Order # 16FC602A
 Initials CR

Sample Receipt Checklist

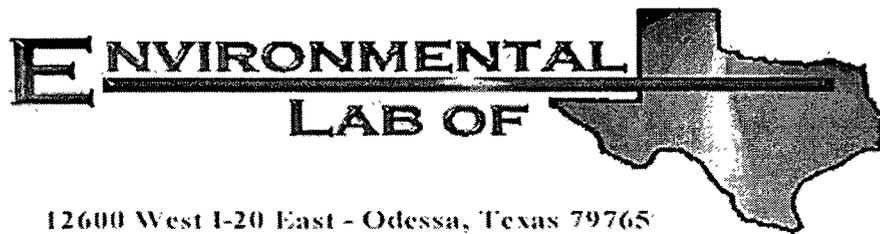
| | | | |
|---|-----|----|----------------|
| Temperature of container/cooler? | Yes | No | 30 C |
| Shipping container/cooler in good condition? | Yes | No | |
| Custody Seals intact on shipping container/cooler? | Yes | No | Not present |
| Custody Seals intact on sample bottles? | Yes | No | Not present |
| Chain of custody present? | Yes | No | |
| Sample Instructions complete on Chain of Custody? | Yes | No | |
| Chain of Custody signed when relinquished and received? | Yes | No | |
| Chain of custody agrees with sample label(s) | Yes | No | ID on jar |
| Container labels legible and intact? | Yes | No | U |
| Sample Matrix and properties same as on chain of custody? | Yes | No | |
| Samples in proper container/bottle? | Yes | No | |
| Samples properly preserved? | Yes | No | |
| Sample bottles intact? | Yes | No | |
| Preservations documented on Chain of Custody? | Yes | No | |
| Containers documented on Chain of Custody? | Yes | No | |
| Sufficient sample amount for indicated test? | Yes | No | |
| All samples received within sufficient hold time? | Yes | No | |
| VOC samples have zero headspace? | Yes | No | Nct Applicable |

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Anadarko Penrose #1

Project Number: OSI #01-01-04

Location: None Given

Lab Order Number: 6F08016

Report Date: 06/09/06

Plains All American EH & S
1301 S County Road 1150
Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number OSI #01-01-04
Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
06/09/06 16:29

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| Spoil 9 | 6F08016-01 | Soil | 06/08/06 14 05 | 06/08/06 16:45 |
| Spoil 10 | 6F08016-02 | Soil | 06/08/06 14.10 | 06/08/06 16 45 |
| Spoil 11 | 6F08016-03 | Soil | 06/08/06 14 16 | 06/08/06 16:45 |

Plains All American EH & S
 1301 S County Road 1150
 Midland TX, 79706-4476

Project. Anadarko Penrose #1
 Project Number. OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/09/06 16 29

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|-------------|-----------------|-----------|----------|----------|----------|----------|-----------|-------|
| Spoil 9 (6F08016-01) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 103 | 10 0 | mg/kg dry | 1 | EF60924 | 06/09/06 | 06/09/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 978 | 10 0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 136 | 10 0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 1220 | 10 0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 93.6 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 98.8 % | 70-130 | | " | " | " | " | |
| Spoil 10 (6F08016-02) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 141 | 10 0 | mg/kg dry | 1 | EF60924 | 06/09/06 | 06/09/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 1480 | 10 0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 264 | 10 0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 1880 | 10.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 94.2 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 101 % | 70-130 | | " | " | " | " | |
| Spoil 11 (6F08016-03) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 51.6 | 10 0 | mg/kg dry | 1 | EF60924 | 06/09/06 | 06/09/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 710 | 10.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 123 | 10 0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 885 | 10 0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 90.8 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 96.4 % | 70-130 | | " | " | " | " | |

Plains All American EH & S
1301 S County Road 1150
Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number: OSI #01-01-04
Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
06/09/06 16 29

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| Spoil 9 (6F08016-01) Soil | | | | | | | | | |
| % Moisture | 0.6 | 0.1 | % | 1 | EF60903 | 06/09/06 | 06/09/06 | % calculation | |
| Spoil 10 (6F08016-02) Soil | | | | | | | | | |
| % Moisture | 0.5 | 0.1 | % | 1 | EF60903 | 06/09/06 | 06/09/06 | % calculation | |
| Spoil 11 (6F08016-03) Soil | | | | | | | | | |
| % Moisture | 0.2 | 0.1 | % | 1 | EF60903 | 06/09/06 | 06/09/06 | % calculation | |

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Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 06/09/06 16 29

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC %REC | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|-----------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|-----------|-----|-----------|-------|

Batch EF60924 - Solvent Extraction (GC)

Blank (EF60924-BLK1)

Prepared & Analyzed 06/09/06

| | | | | | | | | | |
|-------------------------------|------|------|-----------|------|--|-----|--|--------|--|
| Carbon Ranges C6-C12 | ND | 10 0 | mg/kg wet | | | | | | |
| Carbon Ranges C12-C28 | ND | 10 0 | " | | | | | | |
| Carbon Ranges C28-C35 | ND | 10 0 | " | | | | | | |
| Total Hydrocarbon nC6-nC35 | ND | 10 0 | " | | | | | | |
| Surrogate: 1-Chlorooctane | 52.5 | | mg/kg | 50.0 | | 105 | | 70-130 | |
| Surrogate: 1-Chlorooctadecane | 52.1 | | " | 50.0 | | 104 | | 70-130 | |

LCS (EF60924-BS1)

Prepared & Analyzed 06/09/06

| | | | | | | | | | |
|-------------------------------|------|------|-----------|------|--|------|--|--------|--|
| Carbon Ranges C6-C12 | 503 | 10 0 | mg/kg wet | 500 | | 101 | | 75-125 | |
| Carbon Ranges C12-C28 | 505 | 10 0 | " | 500 | | 101 | | 75-125 | |
| Carbon Ranges C28-C35 | ND | 10 0 | " | 0.00 | | | | 75-125 | |
| Total Hydrocarbon nC6-nC35 | 1010 | 10 0 | " | 1000 | | 101 | | 75-125 | |
| Surrogate: 1-Chlorooctane | 53.3 | | mg/kg | 50.0 | | 107 | | 70-130 | |
| Surrogate: 1-Chlorooctadecane | 49.1 | | " | 50.0 | | 98.2 | | 70-130 | |

Calibration Check (EF60924-CCV1)

Prepared & Analyzed 06/09/06

| | | | | | | | | | |
|-------------------------------|------|--|-------|------|--|------|--|--------|--|
| Carbon Ranges C6-C12 | 275 | | mg/kg | 250 | | 110 | | 80-120 | |
| Carbon Ranges C12-C28 | 298 | | " | 250 | | 119 | | 80-120 | |
| Total Hydrocarbon nC6-nC35 | 572 | | " | 500 | | 114 | | 80-120 | |
| Surrogate: 1-Chlorooctane | 48.5 | | " | 50.0 | | 97.0 | | 70-130 | |
| Surrogate: 1-Chlorooctadecane | 46.0 | | " | 50.0 | | 92.0 | | 70-130 | |

Matrix Spike (EF60924-MS1)

Source: 6F08005-01

Prepared & Analyzed 06/09/06

| | | | | | | | | | |
|-------------------------------|------|------|-----------|------|----|------|--|--------|--|
| Carbon Ranges C6-C12 | 577 | 10 0 | mg/kg dry | 554 | ND | 104 | | 75-125 | |
| Carbon Ranges C12-C28 | 587 | 10 0 | " | 554 | ND | 106 | | 75-125 | |
| Carbon Ranges C28-C35 | ND | 10 0 | " | 0.00 | ND | | | 75-125 | |
| Total Hydrocarbon nC6-nC35 | 1160 | 10 0 | " | 1110 | ND | 105 | | 75-125 | |
| Surrogate: 1-Chlorooctane | 51.2 | | mg/kg | 50.0 | | 102 | | 70-130 | |
| Surrogate: 1-Chlorooctadecane | 48.3 | | " | 50.0 | | 96.6 | | 70-130 | |

Plains All American EH & S
 1301 S County Road 1150
 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager: Daniel Bryant

Fax: (432) 687-4914

Reported:
 06/09/06 16 29

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60924 - Solvent Extraction (GC)

Matrix Spike Dup (EF60924-MSD1)

Source: 6F08005-01

Prepared & Analyzed 06/09/06

| | | | | | | | | | | |
|------------------------------|------|------|-----------|------|----|------|--------|-------|----|--|
| Carbon Ranges C6-C12 | 576 | 10 0 | mg/kg dry | 554 | ND | 104 | 75-125 | 0 173 | 20 | |
| Carbon Ranges C12-C28 | 589 | 10 0 | " | 554 | ND | 106 | 75-125 | 0 340 | 20 | |
| Carbon Ranges C28-C35 | ND | 10 0 | " | 0 00 | ND | | 75-125 | | 20 | |
| Total Hydrocarbon nC6-nC35 | 1170 | 10 0 | " | 1110 | ND | 105 | 75-125 | 0 858 | 20 | |
| Surrogate 1-Chlorooctane | 51 0 | | mg/kg | 50 0 | | 102 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 48.5 | | " | 50 0 | | 97 0 | 70-130 | | | |

Plains All American EH & S
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Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax: (432) 687-4914

Reported:
 06/09/06 16 29

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF60903 - General Preparation (Prep)

| | | | | | | | | | | |
|---------------------------------|------|---------------------------|---|----------|----------|----------|----------|-------|----|--|
| Blank (EF60903-BLK1) | | | | Prepared | 06/08/06 | Analyzed | 06/09/06 | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (EF60903-DUP1) | | Source: 6F07014-01 | | Prepared | 06/08/06 | Analyzed | 06/09/06 | | | |
| % Solids | 93.9 | | % | | 94.3 | | | 0.425 | 20 | |
| Duplicate (EF60903-DUP2) | | Source: 6F07012-06 | | Prepared | 06/08/06 | Analyzed | 06/09/06 | | | |
| % Solids | 94.6 | | % | | 95.3 | | | 0.737 | 20 | |
| Duplicate (EF60903-DUP3) | | Source: 6F07012-26 | | Prepared | 06/08/06 | Analyzed | 06/09/06 | | | |
| % Solids | 96.7 | | % | | 96.6 | | | 0.103 | 20 | |
| Duplicate (EF60903-DUP4) | | Source: 6F08005-01 | | Prepared | 06/08/06 | Analyzed | 06/09/06 | | | |
| % Solids | 87.4 | | % | | 90.2 | | | 3.15 | 20 | |

Plains All American EH & S
1301 S County Road 1150
Midland TX, 79706-4476

Project: Anadarko Penrose #1
Project Number: OSI #01-01-04
Project Manager: Daniel Bryant

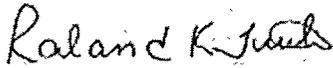
Fax: (432) 687-4914

Reported:
06/09/06 16:29

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:



Date:

6/9/2006

Raland K. Tuttle, Lab Manager

Jeanne Mc Murrey, Inorg. Tech Director

Celey D. Keene, Lab Director, Org. Tech Director

LaTasha Cornish, Chemist

Peggy Allen, QA Officer

Sandra Sanchez, Lab Tech

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

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

Site: Larson

Date/Time: 6/8/00 16:45

Order #: 6100016

Initials: ck

Sample Receipt Checklist

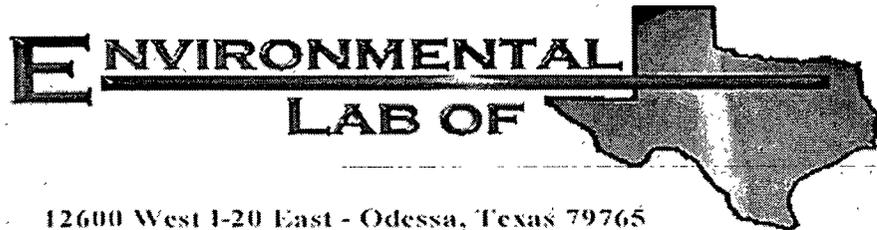
| | Yes | No | |
|---|-------------------------------------|----|------------------------|
| Temperature of container/cooler? | | | 3.0 C |
| Shipping container/cooler in good condition? | <input checked="" type="checkbox"/> | No | |
| Custody Seals intact on shipping container/cooler? | Yes | No | Not present |
| Custody Seals intact on sample bottles? | Yes | No | Not present |
| Chain of custody present? | <input checked="" type="checkbox"/> | No | |
| Sample Instructions complete on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Chain of Custody signed when relinquished and received? | <input checked="" type="checkbox"/> | No | |
| Chain of custody agrees with sample label(s) | <input checked="" type="checkbox"/> | No | 11 on jar |
| Container label's legible and intact? | Yes | No | |
| Sample Matrix and properties same as on chain of custody? | <input checked="" type="checkbox"/> | No | |
| Samples in proper container/bottle? | <input checked="" type="checkbox"/> | No | |
| Samples properly preserved? | <input checked="" type="checkbox"/> | No | |
| Sample bottles intact? | <input checked="" type="checkbox"/> | No | |
| Preservations documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Containers documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Sufficient sample amount for indicated test? | <input checked="" type="checkbox"/> | No | |
| All samples received within sufficient hold time? | <input checked="" type="checkbox"/> | No | |
| VOC samples have zero headspace? | <input checked="" type="checkbox"/> | No | Not Applicable |

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Anadarko Penrose #1

Project Number: OSI #01-01-04

Location: None Given

Lab Order Number: 6F15022

Report Date: 06/19/06

Plains All American EH & S
1301 S County Road 1150
Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number. OSI #01-01-04
Project Manager: Daniel Bryant

Fax. (432) 687-4914

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| Spoil 12 | 6F15022-01 | Soil | 06/14/06 06 15 | 06/15/06 16 38 |

Plains All American EH & S
 1301 S. County Road 1150
 Midland TX, 79706-4476

Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

Fax (432) 687-4914

Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------|--------------------|-----------|----------|---------|----------|----------|-----------|-------|
| Spoil 12 (6F15022-01) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 65.8 | 100 | mg/kg dry | 1 | EF61511 | 06/15/06 | 06/16/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 799 | 100 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 57.3 | 100 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 922 | 100 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 128 % | 70-130 | | " | " | " | " | |
| Surrogate: 1-Chlorooctadecane | | 126 % | 70-130 | | " | " | " | " | |

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Midland TX, 79706-4476

Project: Anadarko Penrose #1
Project Number OSI #01-01-04
Project Manager Daniel Bryant

Fax (432) 687-4914

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| Spoil 12 (6F15022-01) Soil | | | | | | | | | |
| % Moisture | 0.4 | 0.1 | % | 1 | EF61710 | 06/16/06 | 06/17/06 | % calculation | |

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Project: Anadarko Penrose #1
 Project Number: OSI #01-01-04
 Project Manager: Daniel Bryant

Fax: (432) 687-4914

Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF61511 - Solvent Extraction (GC)

Blank (EF61511-BLK1)

Prepared: 06/15/06 Analyzed 06/16/06

| | | | | | | | | | | |
|------------------------------|------|------|-----------|------|--|-----|--------|--|--|--|
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg wet | | | | | | | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | | | | | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | | | | | | | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | | | | | | | |
| Surrogate 1-Chlorooctane | 64.2 | | mg/kg | 50.0 | | 128 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 64.1 | | " | 50.0 | | 128 | 70-130 | | | |

LCS (EF61511-BS1)

Prepared 06/15/06 Analyzed 06/16/06

| | | | | | | | | | | |
|------------------------------|------|------|-----------|------|--|------|--------|--|--|--|
| Carbon Ranges C6-C12 | 515 | 10.0 | mg/kg wet | 500 | | 103 | 75-125 | | | |
| Carbon Ranges C12-C28 | 480 | 10.0 | " | 500 | | 96.0 | 75-125 | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | 0.00 | | | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 995 | 10.0 | " | 1000 | | 99.5 | 75-125 | | | |
| Surrogate 1-Chlorooctane | 60.9 | | mg/kg | 50.0 | | 122 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 57.0 | | " | 50.0 | | 114 | 70-130 | | | |

Calibration Check (EF61511-CCV1)

Prepared 06/15/06 Analyzed 06/16/06

| | | | | | | | | | | |
|------------------------------|------|--|-------|------|--|------|--------|--|--|--|
| Carbon Ranges C6-C12 | 211 | | mg/kg | 250 | | 84.4 | 80-120 | | | |
| Carbon Ranges C12-C28 | 261 | | " | 250 | | 104 | 80-120 | | | |
| Total Hydrocarbon nC6-nC35 | 472 | | " | 500 | | 94.4 | 80-120 | | | |
| Surrogate 1-Chlorooctane | 61.8 | | " | 50.0 | | 124 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 58.5 | | " | 50.0 | | 117 | 70-130 | | | |

Matrix Spike (EF61511-MS1)

Source: 6F14016-01

Prepared 06/15/06 Analyzed 06/16/06

| | | | | | | | | | | |
|------------------------------|------|------|-----------|------|------|------|--------|--|--|--|
| Carbon Ranges C6-C12 | 579 | 10.0 | mg/kg dry | 564 | 6.89 | 101 | 75-125 | | | |
| Carbon Ranges C12-C28 | 574 | 10.0 | " | 564 | 46.9 | 93.5 | 75-125 | | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | 0.00 | ND | | 75-125 | | | |
| Total Hydrocarbon nC6-nC35 | 1150 | 10.0 | " | 1130 | 46.9 | 97.6 | 75-125 | | | |
| Surrogate 1-Chlorooctane | 62.1 | | mg/kg | 50.0 | | 124 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 54.1 | | " | 50.0 | | 108 | 70-130 | | | |

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Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

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Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF61511 - Solvent Extraction (GC)

| Matrix Spike Dup (EF61511-MSD1) | Source: 6F14016-01 | | | Prepared 06/15/06 | Analized 06/16/06 | | | | | |
|---------------------------------|--------------------|------|-----------|-------------------|-------------------|------|--------|------|----|--|
| Carbon Ranges C6-C12 | 599 | 10.0 | mg/kg dry | 564 | 6.89 | 105 | 75-125 | 3.40 | 20 | |
| Carbon Ranges C12-C28 | 592 | 10.0 | " | 564 | 46.9 | 96.6 | 75-125 | 3.09 | 20 | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | 0.00 | ND | | 75-125 | | 20 | |
| Total Hydrocarbon nC6-nC35 | 1190 | 10.0 | " | 1130 | 46.9 | 101 | 75-125 | 3.42 | 20 | |
| Surrogate 1-Chlorooctane | 64.1 | | mg/kg | 50.0 | | 128 | 70-130 | | | |
| Surrogate 1-Chlorooctadecane | 54.9 | | " | 50.0 | | 110 | 70-130 | | | |

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Project: Anadarko Penrose #1
 Project Number: OSI #01-01-04
 Project Manager: Daniel Bryant

Fax: (432) 687-4914

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|--|---------------|------|-------------|------|-----------|-------|
| Batch EF61710 - General Preparation (Prep) | | | | | | | | | | |
| Blank (EF61710-BLK1) | | | | Prepared 06/16/06 Analyzed 06/17/06 | | | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (EF61710-DUP1) | | | | Source: 6F15019-01 Prepared 06/16/06 Analyzed 06/17/06 | | | | | | |
| % Moisture | 0.2 | 0.1 | % | | 0.3 | | | 40.0 | 20 | S-08 |
| Duplicate (EF61710-DUP2) | | | | Source: 6F15019-21 Prepared 06/16/06 Analyzed 06/17/06 | | | | | | |
| % Moisture | 0.9 | 0.1 | % | | 1.2 | | | 28.6 | 20 | S-08 |
| Duplicate (EF61710-DUP3) | | | | Source: 6F15019-41 Prepared 06/16/06 Analyzed 06/17/06 | | | | | | |
| % Moisture | 0.8 | 0.1 | % | | 0.9 | | | 11.8 | 20 | |
| Duplicate (EF61710-DUP4) | | | | Source: 6F15019-61 Prepared 06/16/06 Analyzed 06/17/06 | | | | | | |
| % Moisture | 8.8 | 0.1 | % | | 9.4 | | | 6.59 | 20 | |
| Duplicate (EF61710-DUP5) | | | | Source: 6F15021-05 Prepared 06/16/06 Analyzed 06/17/06 | | | | | | |
| % Moisture | 6.1 | 0.1 | % | | 8.1 | | | 28.2 | 20 | S-08 |
| Duplicate (EF61710-DUP6) | | | | Source: 6F16008-01 Prepared 06/16/06 Analyzed 06/17/06 | | | | | | |
| % Moisture | 2.0 | 0.1 | % | | 2.9 | | | 36.7 | 20 | S-08 |
| Duplicate (EF61710-DUP7) | | | | Source: 6F16010-01 Prepared 06/16/06 Analyzed 06/17/06 | | | | | | |
| % Moisture | 1.1 | 0.1 | % | | 1.1 | | | 0.00 | 20 | |

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Project Anadarko Penrose #1
Project Number OSI #01-01-04
Project Manager Daniel Bryant

Fax (432) 687-4914

Notes and Definitions

S-08 Value outside Laboratory historical or method prescribed QC limits
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Roland K. Tuttle

Date:

6/19/2006

Roland K. Tuttle, Lab Manager

Celey D. Keene, Lab Director, Org Tech Director

Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director

LaTasha Cornish, Chemist

Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

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

Client: Plains
 Date/Time: 10/15/06 No: 38
 Order #: 10F15022
 Initials: Ok

Sample Receipt Checklist

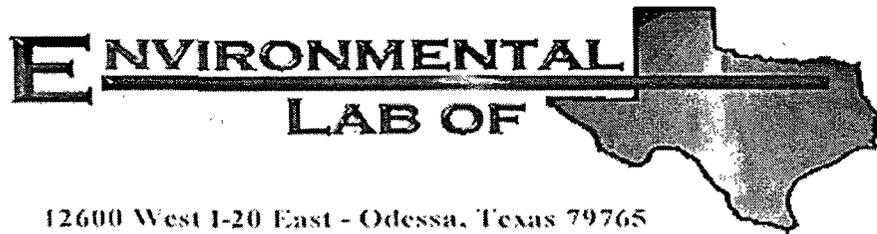
| | | | |
|---|---|----|----------------|
| Temperature of container/cooler? | Yes | No | 4.0 C |
| Shipping container/cooler in good condition? | <input checked="" type="checkbox"/> Yes | No | |
| Custody Seals intact on shipping container/cooler? | Yes | No | Not present |
| Custody Seals intact on sample bottles? | Yes | No | Not present |
| Chain of custody present? | <input checked="" type="checkbox"/> Yes | No | |
| Sample Instructions complete on Chain of Custody? | <input checked="" type="checkbox"/> Yes | No | |
| Chain of Custody signed when relinquished and received? | <input checked="" type="checkbox"/> Yes | No | |
| Chain of custody agrees with sample label(s) | <input checked="" type="checkbox"/> Yes | No | 1 Don jar |
| Container labels legible and intact? | Yes | No | |
| Sample Matrix and properties same as on chain of custody? | <input checked="" type="checkbox"/> Yes | No | |
| Samples in proper container/bottle? | <input checked="" type="checkbox"/> Yes | No | |
| Samples properly preserved? | <input checked="" type="checkbox"/> Yes | No | |
| Sample bottles intact? | <input checked="" type="checkbox"/> Yes | No | |
| Reservations documented on Chain of Custody? | <input checked="" type="checkbox"/> Yes | No | |
| Containers documented on Chain of Custody? | <input checked="" type="checkbox"/> Yes | No | |
| Sufficient sample amount for indicated test? | <input checked="" type="checkbox"/> Yes | No | |
| All samples received within sufficient hold time? | <input checked="" type="checkbox"/> Yes | No | |
| DOC samples have zero headspace? | <input checked="" type="checkbox"/> Yes | No | Not Applicable |

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____
 Regarding: _____

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Daniel Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Anadarko Penrose #1

Project Number: OSI #01-01-04

Location: None Given

Lab Order Number: 6F16013

Report Date: 06/19/06

Plans All American EH & S
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Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number OSI #01-01-04
Project Manager Daniel Bryant

Fax: (432) 687-4914

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| Spoil 13 | 6F16013-01 | Soil | 06/16/06 13 10 | 06/16/06 16:03 |

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Project: Anadarko Penrose #1
 Project Number: OSI #01-01-04
 Project Manager: Daniel Bryant

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Organics by GC
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|-------------|-----------------|-----------|----------|----------|----------|----------|-----------|-------|
| Spoil 13 (6F16013-01) Soil | | | | | | | | | |
| Carbon Ranges C6-C12 | 72.7 | 20.0 | mg/kg dry | 2 | EF61713 | 06/17/06 | 06/18/06 | EPA 8015M | |
| Carbon Ranges C12-C28 | 847 | 20.0 | " | " | " | " | " | " | |
| Carbon Ranges C28-C35 | 83.4 | 20.0 | " | " | " | " | " | " | |
| Total Hydrocarbon nC6-nC35 | 1000 | 20.0 | " | " | " | " | " | " | |
| Surrogate: 1-Chlorooctane | | 57.0 % | 70-130 | | " | " | " | " | S-06 |
| Surrogate: 1-Chlorooctadecane | | 64.8 % | 70-130 | | " | " | " | " | S-06 |

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Project Anadarko Penrose #1
Project Number. OSI #01-01-04
Project Manager Daniel Bryant

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General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------------|--------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| Spoil 13 (6F16013-01) Soil | | | | | | | | | |
| % Moisture | ND | 0.1 | % | 1 | EF61710 | 06/16/06 | 06/17/06 | % calculation | |

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Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager Daniel Bryant

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Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF61713 - Solvent Extraction (GC)

| Blank (EF61713-BLK1) | | | | Prepared 06/17/06 Analyzed 06/18/06 | |
|-------------------------------|------|------|-----------|-------------------------------------|-------------|
| Carbon Ranges C6-C12 | ND | 10.0 | mg/kg wet | | |
| Carbon Ranges C12-C28 | ND | 10.0 | " | | |
| Carbon Ranges C28-C35 | ND | 10.0 | " | | |
| Total Hydrocarbon nC6-nC35 | ND | 10.0 | " | | |
| Surrogate: 1-Chlorooctane | 75.0 | | mg/kg | 100 | 75.0 70-130 |
| Surrogate: 1-Chlorooctadecane | 75.0 | | " | 100 | 75.0 70-130 |

| LCS (EF61713-BS1) | | | | Prepared: 06/17/06 Analyzed: 06/18/06 | |
|------------------------------|------|------|-----------|---------------------------------------|------------|
| Carbon Ranges C6-C12 | 566 | 10.0 | mg/kg wet | 500 | 113 75-125 |
| Carbon Ranges C12-C28 | 553 | 10.0 | " | 500 | 111 75-125 |
| Carbon Ranges C28-C35 | ND | 10.0 | " | 0.00 | 75-125 |
| Total Hydrocarbon nC6-nC35 | 1120 | 10.0 | " | 1000 | 112 75-125 |
| Surrogate 1-Chlorooctane | 62.5 | | mg/kg | 50.0 | 125 70-130 |
| Surrogate 1-Chlorooctadecane | 63.8 | | " | 50.0 | 128 70-130 |

| Calibration Check (EF61713-CCV1) | | | | Prepared 06/17/06 Analyzed 06/18/06 | |
|---|------|--|-------|-------------------------------------|-------------|
| Carbon Ranges C6-C12 | 249 | | mg/kg | 250 | 99.6 80-120 |
| Carbon Ranges C12-C28 | 291 | | " | 250 | 116 80-120 |
| Total Hydrocarbon nC6-nC35 | 540 | | " | 500 | 108 80-120 |
| Surrogate: 1-Chlorooctane | 63.6 | | " | 50.0 | 127 70-130 |
| Surrogate: 1-Chlorooctadecane | 63.0 | | " | 50.0 | 126 70-130 |

| Matrix Spike (EF61713-MS1) | | Source: 6F16012-01 | | Prepared: 06/17/06 Analyzed 06/18/06 | |
|-----------------------------------|------|--------------------|-----------|--------------------------------------|-----------------|
| Carbon Ranges C6-C12 | 466 | 10.0 | mg/kg dry | 502 | ND 92.8 75-125 |
| Carbon Ranges C12-C28 | 578 | 10.0 | " | 502 | 188 77.7 75-125 |
| Carbon Ranges C28-C35 | 103 | 10.0 | " | 0.00 | 125 75-125 |
| Total Hydrocarbon nC6-nC35 | 1150 | 10.0 | " | 1000 | 313 83.7 75-125 |
| Surrogate: 1-Chlorooctane | 64.2 | | mg/kg | 50.0 | 128 70-130 |
| Surrogate: 1-Chlorooctadecane | 63.6 | | " | 50.0 | 127 70-130 |

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Project Anadarko Penrose #1
 Project Number OSI #01-01-04
 Project Manager. Dantel Bryant

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Organics by GC - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch EF61713 - Solvent Extraction (GC)

| Matrix Spike Dup (EF61713-MSD1) | Source: 6F16012-01 | | Prepared: 06/17/06 | | Analyzed: 06/18/06 | | | | | |
|---------------------------------|--------------------|------|--------------------|------|--------------------|------|--------|-------|----|--|
| Carbon Ranges C6-C12 | 469 | 10.0 | mg/kg dry | 502 | ND | 93.4 | 75-125 | 0.642 | 20 | |
| Carbon Ranges C12-C28 | 589 | 10.0 | " | 502 | 188 | 79.9 | 75-125 | 1.89 | 20 | |
| Carbon Ranges C28-C35 | 108 | 10.0 | " | 0.00 | 125 | | 75-125 | 4.74 | 20 | |
| Total Hydrocarbon nC6-nC35 | 1170 | 10.0 | " | 1000 | 313 | 85.7 | 75-125 | 1.72 | 20 | |
| Surrogate: 1-Chlorooctane | 63.5 | | mg/kg | 50.0 | | 127 | 70-130 | | | |
| Surrogate: 1-Chlorooctadecane | 61.3 | | " | 50.0 | | 123 | 70-130 | | | |

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Project Anadarko Penrose #1
 Project Number: OSI #01-01-04
 Project Manager: Daniel Bryant

Fax (432) 687-4914

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|---------------------------|-------|-------------|-------------------|-------------------|-------------|------|-----------|-------|
| Batch EF61710 - General Preparation (Prep) | | | | | | | | | | |
| Blank (EF61710-BLK1) | | | | | Prepared 06/16/06 | Analyzed 06/17/06 | | | | |
| % Moisture | ND | 0.1 | % | | | | | | | |
| Duplicate (EF61710-DUP1) | | Source: 6F15019-01 | | | Prepared 06/16/06 | Analyzed 06/17/06 | | | | |
| % Moisture | 0.2 | 0.1 | % | | 0.3 | | | 40.0 | 20 | S-08 |
| Duplicate (EF61710-DUP2) | | Source: 6F15019-21 | | | Prepared 06/16/06 | Analyzed 06/17/06 | | | | |
| % Moisture | 0.9 | 0.1 | % | | 1.2 | | | 28.6 | 20 | S-08 |
| Duplicate (EF61710-DUP3) | | Source: 6F15019-41 | | | Prepared 06/16/06 | Analyzed 06/17/06 | | | | |
| % Moisture | 0.8 | 0.1 | % | | 0.9 | | | 11.8 | 20 | |
| Duplicate (EF61710-DUP4) | | Source: 6F15019-61 | | | Prepared 06/16/06 | Analyzed 06/17/06 | | | | |
| % Moisture | 8.8 | 0.1 | % | | 9.4 | | | 6.59 | 20 | |
| Duplicate (EF61710-DUP5) | | Source: 6F15021-05 | | | Prepared 06/16/06 | Analyzed 06/17/06 | | | | |
| % Moisture | 6.1 | 0.1 | % | | 8.1 | | | 28.2 | 20 | S-08 |
| Duplicate (EF61710-DUP6) | | Source: 6F16008-01 | | | Prepared 06/16/06 | Analyzed 06/17/06 | | | | |
| % Moisture | 2.0 | 0.1 | % | | 2.9 | | | 36.7 | 20 | S-08 |
| Duplicate (EF61710-DUP7) | | Source: 6F16010-01 | | | Prepared 06/16/06 | Analyzed 06/17/06 | | | | |
| % Moisture | 1.1 | 0.1 | % | | 1.1 | | | 0.00 | 20 | |

Plains All American EH & S
1301 S County Road 1150
Midland TX, 79706-4476

Project Anadarko Penrose #1
Project Number OSI #01-01-04
Project Manager Daniel Bryant

Fax (432) 687-4914

Notes and Definitions

S-08 Value outside Laboratory historical or method prescribed QC limits

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:

Raland K. Tuttle

Date:

6/19/2006

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

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Environmental Lab of Texas

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

Client: Plains
 Date/Time: 10/16/06 11:03
 Order #: 6FILES
 Initials: CK

Sample Receipt Checklist

| | Yes | No | |
|---|-------------------------------------|----|---------------|
| Temperature of container/cooler? | | | 30 C |
| Shipping container/cooler in good condition? | <input checked="" type="checkbox"/> | No | |
| Custody Seals intact on shipping container/cooler? | Yes | No | Not present |
| Custody Seals intact on sample bottles? | Yes | No | Not present |
| Chain of custody present? | <input checked="" type="checkbox"/> | No | |
| Sample Instructions complete on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Chain of Custody signed when relinquished and received? | <input checked="" type="checkbox"/> | No | |
| Chain of custody agrees with sample label(s) | <input checked="" type="checkbox"/> | No | Don jar |
| Container labels legible and intact? | Yes | No | |
| Sample Matrix and properties same as on chain of custody? | <input checked="" type="checkbox"/> | No | |
| Samples in proper container/bottle? | <input checked="" type="checkbox"/> | No | |
| Samples properly preserved? | <input checked="" type="checkbox"/> | No | |
| Sample bottles intact? | <input checked="" type="checkbox"/> | No | |
| Preservations documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Containers documented on Chain of Custody? | <input checked="" type="checkbox"/> | No | |
| Sufficient sample amount for indicated test? | <input checked="" type="checkbox"/> | No | |
| All samples received within sufficient hold time? | <input checked="" type="checkbox"/> | No | |
| VOC samples have zero headspace? | <input checked="" type="checkbox"/> | No | Not Aplicable |

Other observations:

Variance Documentation:

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

Regarding:

Corrective Action Taken: