

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

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR Initial Report Final Report

Name of Company	Plains Pipeline, LP	Contact	Daniel Bryant
Address	3705 E. Hwy 158 Midland, TX 79706	Telephone No.	(432) 557-5865
Facility Name	Zia Grizzell 4" Idled Line	Facility Type	Pipeline

Surface Owner	Apache Corporation	Mineral Owner		Lease No.	
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	8	22S	37E					Lea

Latitude N 32° 24' 10.7" Longitude W 103° 10' 38.7"

NATURE OF RELEASE

Type of Release	Sour Crude Oil	Volume of Release	40 bbls	Volume Recovered	30 bbls
Source of Release	4" steel idled line	Date and Hour of Occurrence	09/05/2005 10:30	Date and Hour of Discovery	09/05/2005 11:00
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Gary Wink		
By Whom?	Camille Reynolds	Date and Hour	09/05/2005 14:55	RECEIVED	
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	DEC 04 2008		

If a Watercourse was Impacted, Describe Fully.*
HOBBSS WIL

Describe Cause of Problem and Remedial Action Taken.*
Recent pipeline work caused a collar to break on the idled Zia Grizzell 4" steel pipeline. Line was cut and capped to mitigate the release. Due to the line being idled at time of release, the pressure of the line was 0 lbs and had no throughput on the pipeline. The gravity of the crude oil is 37.1 @ 65°. H₂S content is <10 ppm. Line depth is approximately 2.5' at the release source.

Describe Area Affected and Cleanup Action Taken.*
Please see the attached Basin Remediation Summary and Site Closure Request for details of remedial activities conducted for site closure.

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

Signature: <i>Daniel Bryant</i>	OIL CONSERVATION DIVISION	
Printed Name: Daniel Bryant	<i>J. Johnson</i> Approved by District Supervisor ENVIRONMENTAL ENGINEER	
Title: Environmental R/C Specialist	Approval Date: 12.04.08	Expiration Date: _____
E-mail Address: dmbryant@paalp.com	Conditions of Approval: _____	Attached <input type="checkbox"/>
Date: 12/4/08	Phone: (432) 557-5865	

* Attach Additional Sheets If Necessary

1RP-1156

Basin Environmental Service Technologies, LLC

2800 Plains Highway
P. O. Box 301
Lovington, New Mexico 88260
cjbryant@basin-consulting.com
Office: (505) 396-2378 Fax: (505) 396-1429



REMEDIATION SUMMARY AND SITE CLOSURE REQUEST

**PLAINS MARKETING, L.P. (231735)
Zia Grizzell 4-Inch Idled Line
Lea County, New Mexico
Plains SRS # 2005-00210
UNIT P (SE/SE), Section 8, Township 22 South, Range 37 East
Latitude 32 °, 24', 10.7" North, Longitude 103 °, 10', 38.7" West
NMOCD Reference # 1RP-1156**

Prepared For:

Plains Marketing, L.P.
333 Clay Street
Suite 1600
Houston, Texas 77002

DEC 04 2008

RECEIVED

Prepared By:

Basin Environmental Service Technologies, LLC

HUBBS UCD

November 2008


Camille J. Bryant
Project Manager

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- Appendix C - Photographs
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INTRODUCTION AND BACKGROUND INFORMATION

Basin Environmental Service Technologies, LLC (Basin), on behalf of Plains Marketing, L.P. (Plains), has prepared this Remediation Summary and Site Closure Request for the release site known as the Zia Grizzell 4-Inch Idled Pipeline (SRS# 2005-210). The site is located in Unit Letter P (SE ¼ SE ¼), Section 8, Township 22 South, Range 37 East, in Lea County, New Mexico. The property is owned by the Apache Corporation. The site latitude is 32° 24' 10.7" North, and the longitude is 103° 10' 38.7" West. The Site Location and Site Map are provided as Figure 1 and Figure 2, respectively. The Release Notification and Corrective Action (NMOCD Form C-141) indicated approximately forty (40) barrels of crude oil was released from the Plains pipeline and thirty (30) barrels were recovered during the initial response activities. The Release Notification and Corrective Action is provided as Appendix D.

On September 5, 2005, Basin, on behalf of Plains responded to a pipeline release located on the Zia Grizzell 4-Inch Idled Pipeline. Plains operations personnel mitigated the crude oil release by installing a temporary clamp on the pipeline. Following initial response activities the line was cold cut and capped under the direction of Plains operations personnel. The impacted soil excavated during initial response activities was stockpiled on a 6-mil poly liner adjacent to the excavation. The initial visually stained area covered an area measuring approximately 45 feet long by 24 feet wide.

NMOCD SITE CLASSIFICATION

A search of the New Mexico Office of the State Engineer (NMOSE) water well database indicated depth to groundwater information was unavailable for Section 8, Township 22 South and Range 37 East. The NMOSE database indicated the depth to groundwater was approximately 90 feet below ground surface (bgs) in Section 9 of the same township and range. The depth to groundwater at the Zia Grizzell 4-Inch release site results in a score of ten (10) points being assigned to the site, based on the NMOCD depth to groundwater criteria.

The water well database, maintained by the NMOSE indicated there are two (2) water wells located in Section 9, less than 1,000 feet from the release site. The water wells are located approximately 462 feet to the east and 522 feet to the northeast of the release site (Water Well Location Map is provided as Figure 4). Based on the NMOCD ranking system twenty (20) points will be assigned to the site as a result of the criteria.

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

Based on this data, the site has an NMOCD Ranking Score of >19, The *NMOCD Guidelines for the Remediation of Leaks, Spills and Releases* (NMOCD, 1993) sets the remediation levels at:

Benzene:	10 mg/Kg (ppm)
BTEX:	50 mg/Kg (ppm)
TPH:	100 mg/Kg (ppm)

SUMMARY OF FIELD ACTIVITIES

On September 5, 2005, Basin mobilized to the Zia Grizzell 4-Inch Idled Pipeline release site to begin excavation activities. Impacted soil excavated from the release point and flow path was stockpiled on a 6-mil poly liner adjacent to the excavation. The excavation activities resulted in an excavation measuring approximately 45 feet long by 24 feet wide and ranged in depth from eight (8) to ten (10) feet bgs.

On September 13, 2005, four (4) soil samples (West S/W, South S/W, East S/W and North S/W) were collected from the excavation sidewalls at approximately five (5) feet bgs and two (2) soil samples (FLR South and FLR North) were collected from the floor of the excavation at approximately eight (8) and ten (10) feet bgs, respectively. The soil samples were analyzed for concentrations of benzene, toluene, ethyl-benzene and xylene (BTEX) using method EPA 8021b and total petroleum hydrocarbons (TPH) using method SW-8015 modified. A summary of the analytical results are included in Table 1, Concentrations of BTEX, TPH and Chlorides in Soil. The soil sample locations are depicted in Figure 3, Sample Location Map. Laboratory analytical results are included in Appendix A.

The laboratory analytical results indicated benzene concentrations were below the method detection limit (MDL) of 0.025 mg/Kg for all of the submitted soil samples. Laboratory analytical results indicated BTEX constituent concentrations ranged from 0.0268 mg/Kg for soil sample North S/W to 0.869 mg/Kg for soil sample FLR South. The laboratory analytical results indicated the TPH concentrations ranged from 75.4 mg/Kg for soil sample South S/W to 8,304 mg/Kg for soil sample FLR North.

Soil sample FLR South was analyzed for concentrations of chloride using method EPA 300. The analytical result indicated the chloride concentration was 38.2 mg/Kg.

A stockpile soil sample (STCKPL) was collected and submitted to the laboratory for analysis. The analytical results indicated soil sample STCKPL exhibited a benzene concentration of 2.25 mg/Kg, a BTEX concentration of 133.25 mg/Kg and a TPH concentration of 25,380 mg/Kg.

On November 23, 2005, a soil boring (SB-1) was advanced at the release point to determine the vertical extent of the crude oil impacted soil. A map depicting the soil boring location is provided as Figure 3 and the soil boring log is provided as Appendix B. The soil boring was advanced on the floor of the excavation at approximately seven (7) feet bgs. The soil boring was advanced to a total depth of 45 feet bgs and was terminated due to a loss of air circulation. Soil samples were collected at five (5) foot drilling intervals. Each soil sample was field screened using a Photo-Ionization Detector (PID) and selected soil samples were analyzed for BTEX and TPH concentrations. Laboratory analytical results indicated benzene concentrations ranged from below the MDL of 0.025 mg/Kg for soil samples SB-1 25', SB-1 35' and SB-1 45' to 0.105 mg/Kg for soil sample SB-1 15'. The analytical results indicated BTEX concentrations ranged from below the MDL of 0.025 mg/Kg for soil samples SB-1 35' and SB-1 45' to 4.54 mg/Kg for soil sample SB-1 15'. The laboratory analytical results indicated the TPH concentrations ranged from 34.1 mg/Kg for soil sample SB-1 45' to 3,381 mg/Kg for soil sample SB-1 25'.

On January 4, 2007, the NMOCD Hobbs District Office approved the Zia Grizzell 4-Inch Idled Pipeline *Preliminary Site Investigation Report and Remediation Closure Plan*, dated December 20, 2006.

In March 2007, Basin conducted additional excavation activities at the release site. Pursuant to the NMOCD approved work plan, the excavation was completed to an approximate depth of fifteen (15) feet bgs. The impacted soil excavated during the remediation activities was stockpiled adjacent to the excavation pending transportation to an NMOCD approved landfarm.

On April 17, 2007, six (6) soil samples (N/W 13', S/W 13', NE/W 13', NW/W 13', SW/W 13' and SE/W 13') were collected from the sidewalls of the excavation and two (2) soil samples (EXCV FLR N 15' and EXCV FLR S 15') were collected from the excavation floor. The soil samples were analyzed for concentrations of BTEX using method EPA 8021b and TPH using method SW-8015 modified. The analytical results indicated benzene concentrations ranged from below the MDL of 0.025 mg/Kg for soil samples N/W 13', S/W 13', NE/W 13, NW/W 13', SW/W 13' and SE/W 13' to 0.114 mg/Kg for soil sample EXCV FLR N 15'. The analytical results indicated BTEX concentrations ranged from below the MDL of 0.025 mg/Kg for soil samples NE/W 13', NW/W 13', SW/W 13' and SE/W 13' to 29.304 mg/Kg for soil sample EXCV FLR N 15'. The analytical results indicated TPH concentrations ranged from below the MDL of 10 mg/Kg in soil samples NW/W 13', SW/W 13' and SE/W 13' to 31,530 mg/Kg for soil sample EXCV FLR N 15'.

Based on analytical results, additional excavation was required along the north and south sidewalls. On December 10, 2007 Basin, resumed excavation activities at the site. The floor of the excavation was excavated to an approximate depth of 15 to 17 feet bgs. The final dimensions of the excavation were approximately 144 feet in length and 65 feet in width and ranging in depth from approximately 15 to 17 feet bgs.

On December 18, 2007, three (3) soil samples (N/W 9', S/W 9' and EXCV FLR N 15') were collected from the excavation and submitted to the laboratory for analysis. The soil samples were analyzed for concentrations of BTEX using method EPA 8021b and TPH using method SW-8015 modified. The analytical results indicated benzene concentrations were below the appropriate laboratory MDL. BTEX concentrations ranged from 0.0348 mg/Kg for soil sample N/W9' to 0.415 mg/Kg for soil sample EXCV FLR N 15' and TPH concentrations ranged from below the laboratory MDL of 1.0 mg/Kg for soil samples N/W 9' and S/W 9 to 1,483 mg/Kg for soil sample EXCV FLR N 15'. Soil sample EXCV FLR N 15' was erroneously labeled in the field and represents a sample collected at 17' bgs.

On January 3, 2008 the NMOCD Hobbs District Office granted approval to conduct backfilling activities at the release site.

On February 1, 2008, a 20-mil poly liner was installed in the base of the excavation to inhibit vertical migration of the contaminants left in place below the cap and allow for natural attenuation of the contaminants left in-situ. To ensure the integrity of the liner a six (6) inch layer of cushion sand was installed above and below the liner. Site photographs are provided as Appendix C. Based on the analytical results of the stockpiled soil, approximately 2,604 cy of

impacted soil was transported to Lea Station Landfarm (GW-351) and non-impacted backfill material was purchased from the landowner. Following the installation of the liner, the excavation was backfilled with the non-impacted soil and contoured to fit the surrounding topography. In October 2008, the remediation site was seeded with vegetation suitable to the landowner.

SITE CLOSURE REQUEST

Based on the analytical results of confirmation soil samples collected from the floor and sidewalls of the excavation, Basin recommends Plains provide the NMOCD Hobbs District Office a copy of this Remediation Summary and Site Closure Request and request the NMOCD grant site closure to the Zia Grizzell 4-Inch Idled Pipeline release site.

LIMITATIONS

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

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

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

DISTRIBUTION:

- Copy 1: Larry Johnson
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division (District 1)
1625 French Drive
Hobbs, New Mexico 88240
larry.johnson@nm.state.us
- Copy 2: Jeff Dann
Plains Marketing, L.P.
333 Clay Street, Suite 1600
Houston, Texas 77002
jpdann@paalp.com
- Copy 3: Daniel Bryant
Plains Marketing, L.P.
3705 E. Highway 158
Midland, Texas 79706
dmbryant@paalp.com
- Copy 4: Camille Bryant
Basin Environmental Consulting
P.O. Box 381
Lovington, New Mexico 88260
cjbryant@basin-consulting.com

Figures

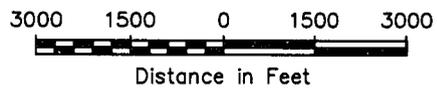
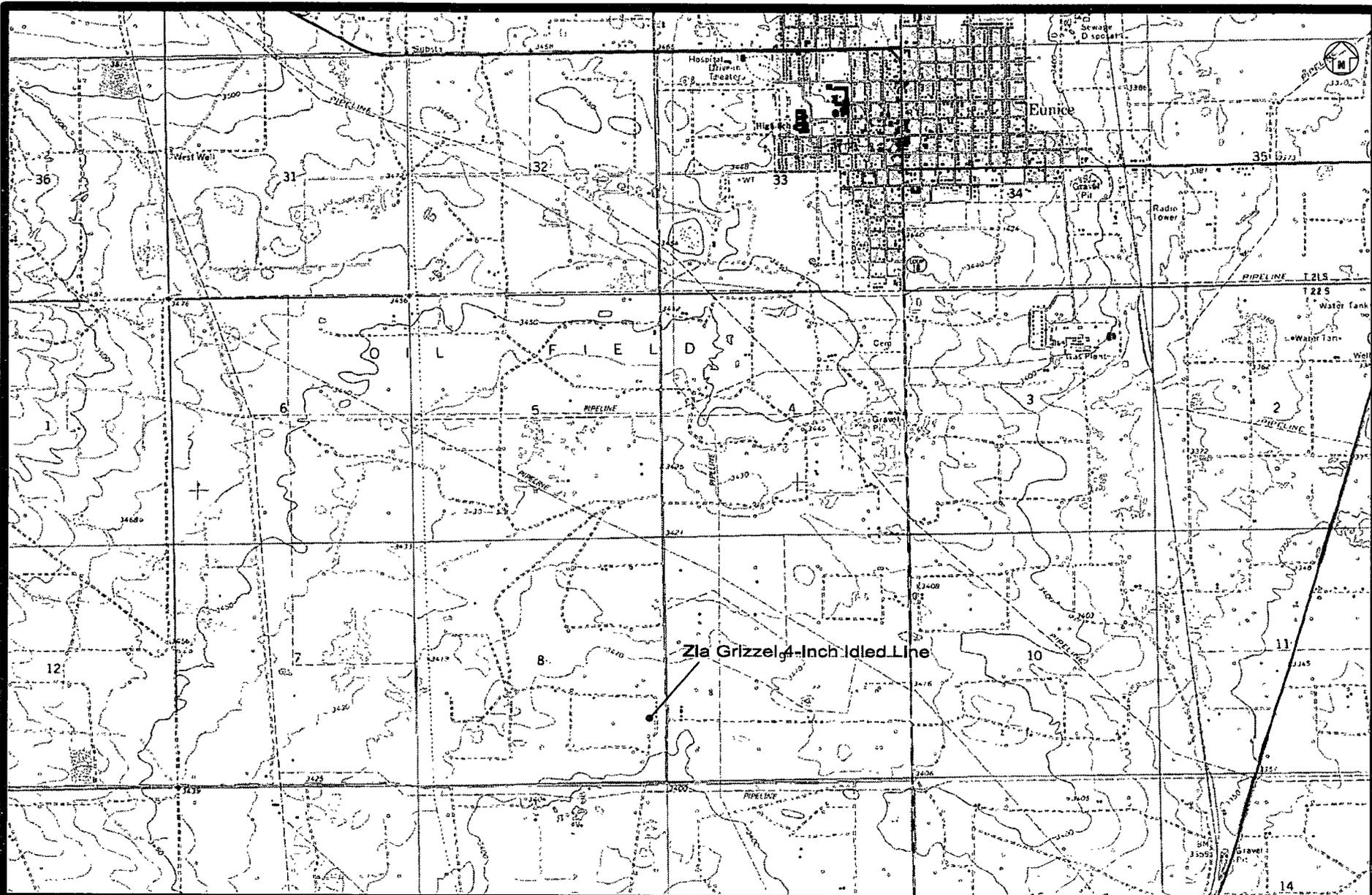


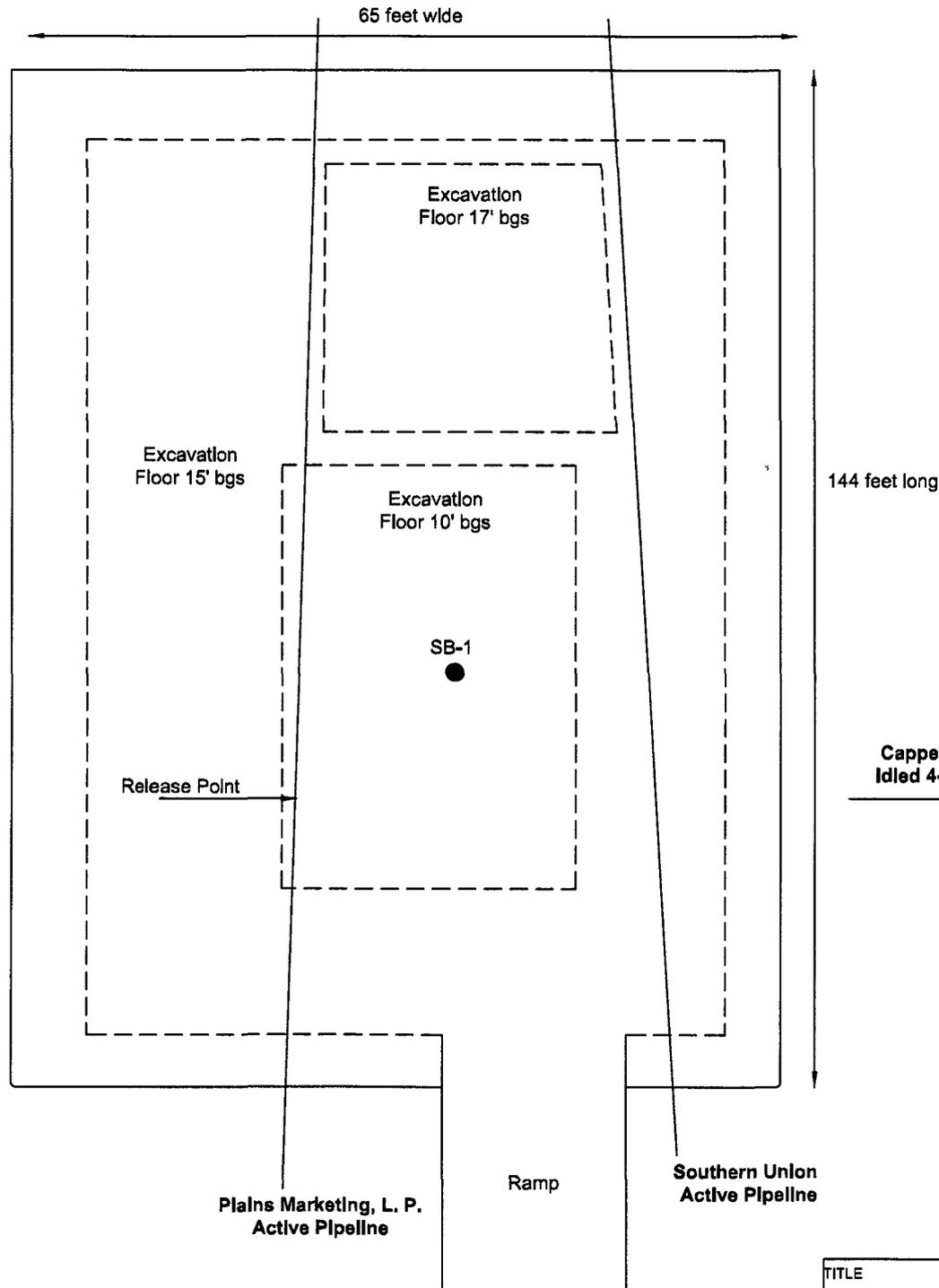
Figure 1
Site Location Map
 Zia Grizzell 4-Inch Idled Line
 Plains Marketing, L.P.
 Lea County, New Mexico
 SRS #2005-00210
 NMOCD # 1RP-1156

Basin Environmental Services

Prep By: CDS	Checked By: CJB
October 20, 2008	Scale 1"=2000'



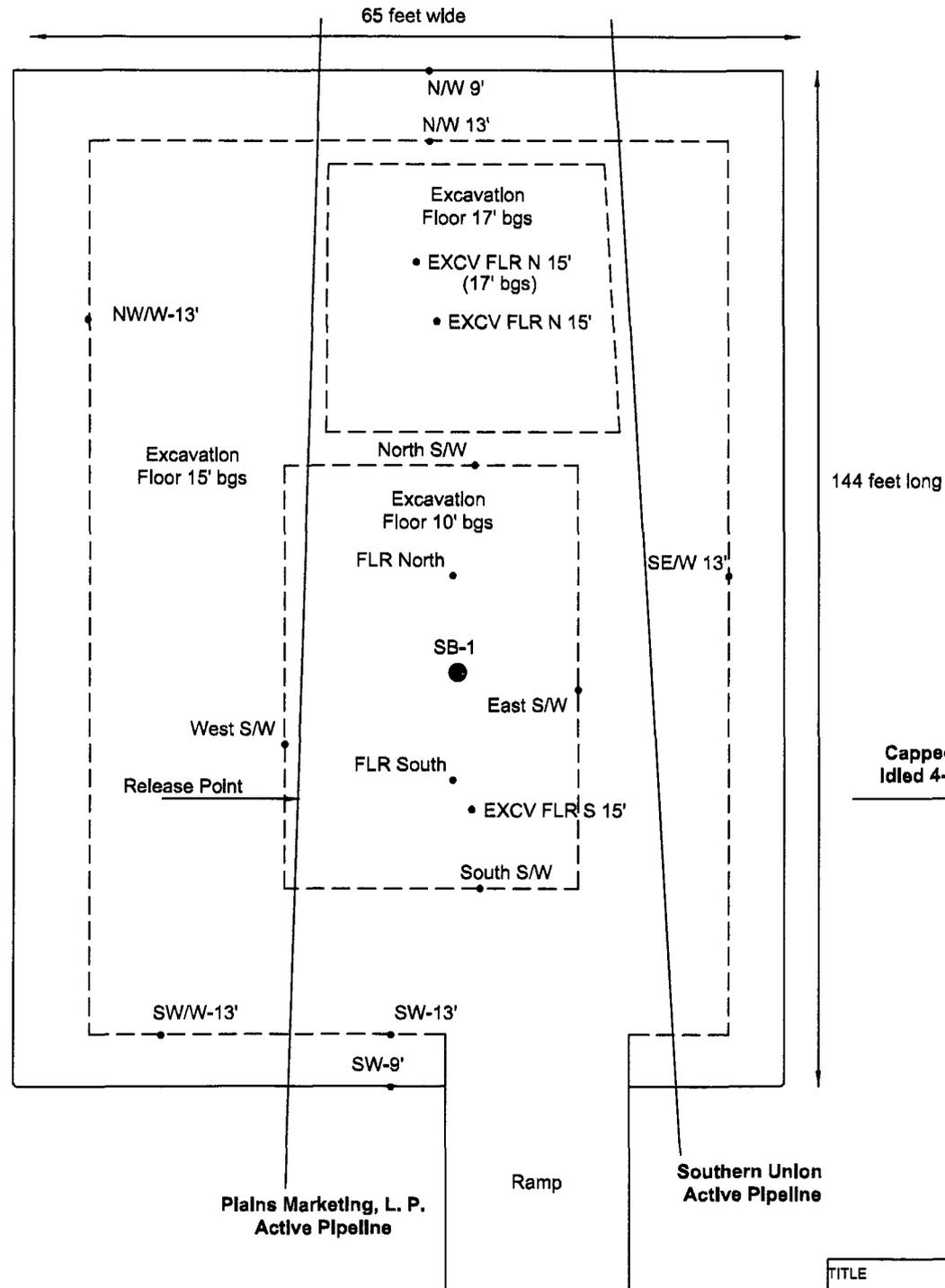
Plains Marketing, L.P.
Zia Grizzell Idled 4-Inch
SE/SE S8, T22S, R37E
Lea County, NM
EMS: 2005-00210



TITLE	DRAWN BY
Figure 2 Site Map	Basin Environmental Svc. kad



Plains Marketing, L.P.
 Zia Grizzell Idled 4-Inch
 SE/SE S8, T22S, R37E
 Lea County, NM
 EMS: 2005-00210



Capped Zia Grizzell
 Idled 4-Inch Pipeline

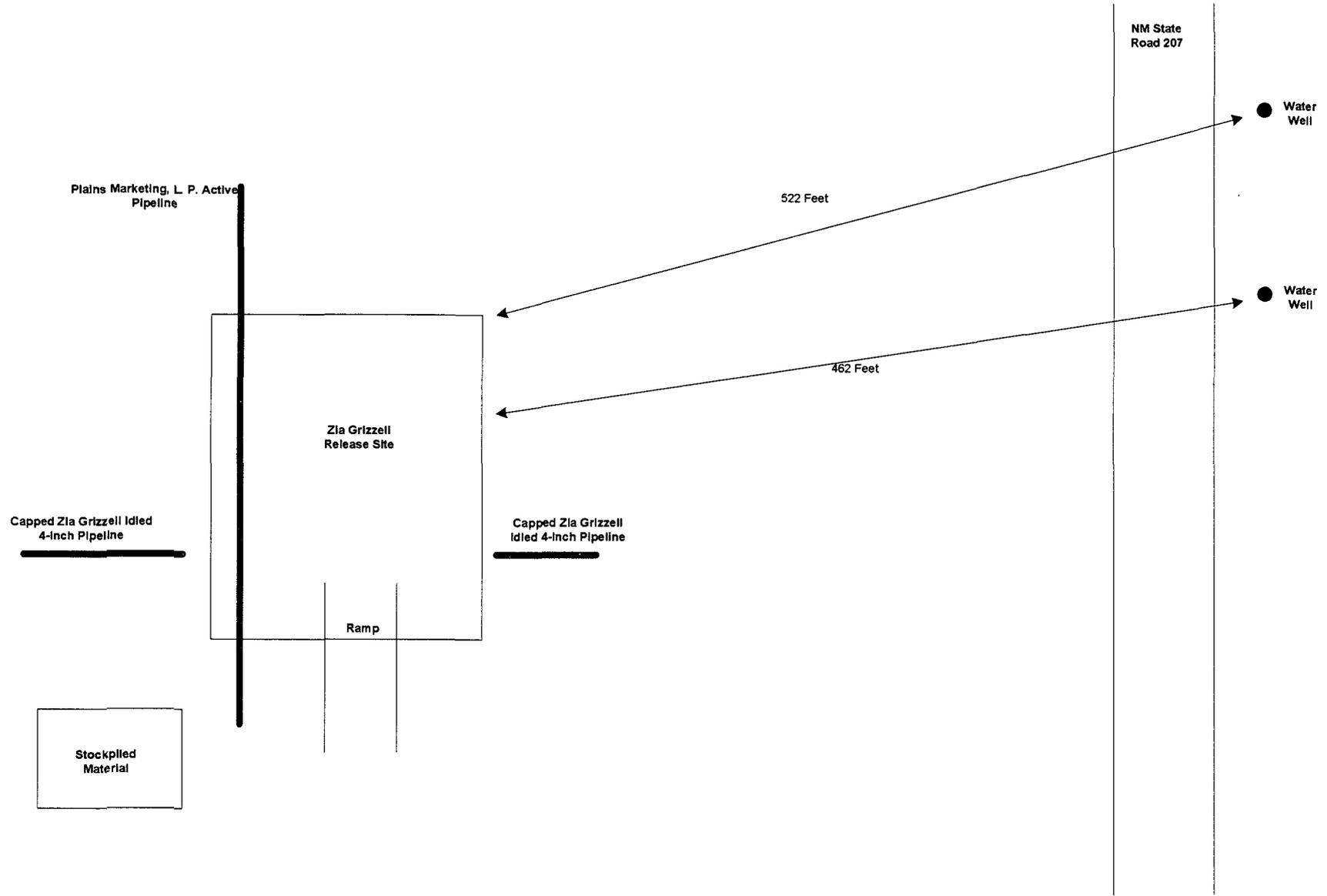
Capped Zia Grizzell
 Idled 4-Inch Pipeline

Stockpiled
 Material

TITLE
 Figure 3, Sample Location
 Map

DRAWN BY
 Basin Environmental Svc.
 kad

Plains Marketing, L.P.
Zia Grizzell Idled 4-Inch
SE/SE S8, T22S, R37E
Lea County, NM
EMS: 2005-00210



TITLE Figure 4, Water Well Locations	DRAWN BY Basin Environmental Svc. kad
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Table

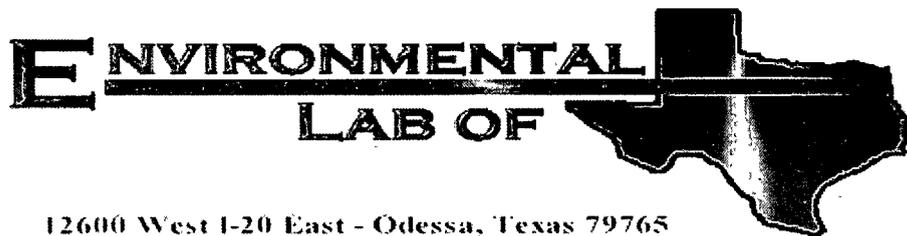
TABLE 1

Concentrations of BTEX, TPH and Chlorides in Soil

PLAINS MARKETING L.P.
ZIA GRIZZELL 4" IDLED LINE
LEA COUNTY, NEW MEXICO
SRS: 2005-00210
NMOC D Ref # 1RP-1156

SAMPLE LOCATION	SAMPLE DEPTH	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030						METHOD: 8015M		TOTAL TPH C ₆ -C ₃₅ (mg/Kg)	EPA 300.0 CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENE (mg/Kg)	O- XYLENE (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₃₅ (mg/Kg)		
West S/W	5' bgs	09/13/05	Excavated	<0.025	0.213	0.140	0.386	0.105	0.844	18.7	122	140.7	-
South S/W	5' bgs	09/13/05	Excavated	<0.025	<0.025	<0.025	0.0457	<0.025	0.0457	<10	75.4	75.4	-
East S/W	5' bgs	09/13/05	Excavated	<0.025	<0.025	0.0431	0.106	0.0295	0.1786	11.8	144	155.8	-
North S/W	5' bgs	09/13/05	Excavated	<0.025	<0.025	<0.025	0.0268	<0.025	0.0268	11.2	230	241.2	-
FLR South	8' bgs	09/13/05	Excavated	<0.025	0.054	0.203	0.447	0.165	0.869	143	1,360	1,503	38.2
FLR North	10' bgs	09/13/05	Excavated	<0.025	<0.025	0.057	0.165	0.0435	0.266	604	7,700	8,304	-
STCKPL	N/A	09/13/05	Stockpile	2.25	26.8	39.1	46.8	18.3	133.25	6,580	18,800	25,380	-
SB-1 15'	21' bgs	11/23/05	In-Situ	0.105	0.776	0.639	2.44	0.580	4.54	558	2,530	3,088	-
SB-1 25'	31' bgs	11/23/05	In-Situ	<0.025	0.248	0.427	1.57	0.438	2.683	371	3,010	3,381	-
SB-1 35'	41' bgs	11/23/05	In-Situ	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10	223	233	-
SB-1 45'	51' bgs	11/23/05	In-Situ	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10	34.1	34.1	-
NW 13'	13' bgs	04/17/07	Excavated	<0.025	<0.025	<0.025	0.0334	<0.025	0.0334	<50	313.1	313.1	-
S/W 13'	13' bgs	04/17/07	Excavated	<0.025	<0.025	0.0574	0.0662	<0.025	0.1236	159	2,361	2,520	-
NE/W 13'	13' bgs	04/17/07	In-Situ	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	41	12.3	53.3	-
NW/W 13'	13' bgs	04/17/07	In-Situ	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	-
SW/W 13'	13' bgs	04/17/07	In-Situ	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	-
SE/W 13'	13' bgs	04/17/07	In-Situ	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<10	<10	<10	-
EXCV FLR N 15'	15' bgs	04/17/07	Excavated	0.114	1.56	6.64	19.9	1.09	29.304	3,700	27,830	31,530	-
EXCV FLR S 15'	15' bgs	04/17/07	Excavated	<0.100	1.20	4.83	5.30	1.53	12.86	1,240	4,687	5,927	-
NW 9'	9' bgs	12/18/07	In-Situ	<0.010	<0.010	<0.010	0.0348	0.0348	0.0348	<1.00	<50.0	<50.0	-
S/W 9'	9' bgs	12/18/07	In-Situ	<0.010	<0.010	<0.010	0.0404	0.0404	0.0404	<1.00	<50.0	<50.0	-
EXCV FLR N 15'	17' bgs	12/18/07	In-Situ	<0.050	<0.050	<0.050	0.415	0.415	0.415	153	1,330	1,483	-
NMOC D Criteria				10					Total BTEX 50			100	

Appendix A
Laboratory Reports



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Camille Reynolds

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Zia Grizzell 4" Idled Line

Project Number: EMS: 2005-00210

Location: Lea County, NM

Lab Order Number: 5I16013

Report Date: 09/22/05

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

Project Zia Grizzell 4" Idled Line
Project Number EMS 2005-00210
Project Manager Camille Reynolds

Fax (432) 687-4914

Reported:
09/22/05 08 30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
West S/W	5116013-01	Soil	09/13/05 14 30	09/16/05 13 50
South S/W	5116013-02	Soil	09/13/05 14 45	09/16/05 13 50
East S/W	5116013-03	Soil	09/13/05 14 55	09/16/05 13 50
North S/W	5116013-04	Soil	09/13/05 15 15	09/16/05 13.50
FLR South	5116013-05	Soil	09/13/05 15 30	09/16/05 13 50
FLR North	5116013-06	Soil	09/13/05 15.45	09/16/05 13 50
STCKPL	5116013-07	Soil	09/13/05 16 00	09/16/05 13 50

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

Project: Zia Grizzell 4" Idled Line
 Project Number: EMS 2005-00210
 Project Manager: Camille Reynolds

Fax (432) 687-4914

Reported:
 09/22/05 08:30

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
West S/W (5116013-01) Soil									
Benzene	J [0.0219]	0.0250	mg/kg dry	25	E151903	09/19/05	09/19/05	EPA 8021B	J
Toluene	0.213	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.140	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.386	0.0250	"	"	"	"	"	"	
Xylene (o)	0.105	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		81.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.8 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	18.7	10.0	mg/kg dry	1	E151901	09/19/05	09/20/05	EPA 8015M	
Diesel Range Organics >C12-C35	122	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	141	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		103 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		102 %	70-130		"	"	"	"	
South S/W (5116013-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	E151903	09/19/05	09/19/05	EPA 8021B	
Toluene	J [0.0222]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0457	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.7 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	E151901	09/19/05	09/20/05	EPA 8015M	
Diesel Range Organics >C12-C35	75.4	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	75.4	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		102 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		111 %	70-130		"	"	"	"	
East S/W (5116013-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	E151903	09/19/05	09/19/05	EPA 8021B	
Toluene	J [0.0228]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	0.0431	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.106	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0295	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.2 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	11.8	10.0	mg/kg dry	1	E151901	09/19/05	09/20/05	EPA 8015M	
Diesel Range Organics >C12-C35	144	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	156	10.0	"	"	"	"	"	"	

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.

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

Project: Zia Grizzell 4" Idled Line
 Project Number: EMS 2005-00210
 Project Manager: Camille Reynolds

Fax (432) 687-4914

Reported:
 09/22/05 08 30

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
East S/W (5116013-03) Soil									
Surrogate: 1-Chlorooctane		96.2 %	70-130		E151901	09/19/05	09/20/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		106 %	70-130		"	"	"	"	
North S/W (5116013-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	E151903	09/19/05	09/19/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0268	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		82.7 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.7 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	11.2	10.0	mg/kg dry	1	E151901	09/19/05	09/20/05	EPA 8015M	
Diesel Range Organics >C12-C35	230	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	241	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		99.2 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		110 %	70-130		"	"	"	"	
FLR South (5116013-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	E151903	09/19/05	09/19/05	EPA 8021B	
Toluene	0.0540	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.203	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.447	0.0250	"	"	"	"	"	"	
Xylene (o)	0.165	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		86.9 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.7 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	143	50.0	mg/kg dry	5	E151901	09/19/05	09/20/05	EPA 8015M	
Diesel Range Organics >C12-C35	1360	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	1500	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		16.0 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		20.4 %	70-130		"	"	"	"	S-06

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Project Zia Grizzell 4" Idled Line
 Project Number EMS 2005-00210
 Project Manager Camille Reynolds

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Reported:
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**Organics by GC
 Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
FLR North (5H16013-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	E151903	09/19/05	09/20/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.0507	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.165	0.0250	"	"	"	"	"	"	
Xylene (o)	0.0435	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.3 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.3 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	604	50.0	mg/kg dry	5	E151901	09/19/05	09/20/05	EPA 8015M	
Diesel Range Organics >C12-C35	7700	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	8300	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		21.8 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		27.6 %	70-130		"	"	"	"	S-06
STCKPL (5H16013-07) Soil									
Benzene	2.25	0.200	mg/kg dry	200	E152006	09/20/05	09/20/05	EPA 8021B	
Toluene	26.8	0.200	"	"	"	"	"	"	
Ethylbenzene	39.1	0.200	"	"	"	"	"	"	
Xylene (p/m)	46.8	0.200	"	"	"	"	"	"	
Xylene (o)	18.3	0.200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		157 %	80-120		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		89.6 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	6580	100	mg/kg dry	10	E151901	09/19/05	09/20/05	EPA 8015M	
Diesel Range Organics >C12-C35	18800	100	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	25400	100	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		23.8 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		13.4 %	70-130		"	"	"	"	S-06

Plains All American EH & S 1301 S County Road 1150 Midland TX, 79706-4476	Project Z1a Grizzell 4" Idled Line Project Number EMS 2005-00210 Project Manager Camille Reynolds	Fax: (432) 687-4914 Reported: 09/22/05 08 30
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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
West S/W (5116013-01) Soil									
% Moisture	2.5	0.1	%	1	E152002	09/20/05	09/20/05	% calculation	
South S/W (5116013-02) Soil									
% Moisture	1.7	0.1	%	1	E152002	09/20/05	09/20/05	% calculation	
East S/W (5116013-03) Soil									
% Moisture	2.8	0.1	%	1	E152002	09/20/05	09/20/05	% calculation	
North S/W (5116013-04) Soil									
% Moisture	6.2	0.1	%	1	E152002	09/20/05	09/20/05	% calculation	
FLR South (5116013-05) Soil									
Chloride	38.2	5.00	mg/kg	10	E152102	09/19/05	09/21/05	EPA 300.0	
% Moisture	1.4	0.1	%	1	E152002	09/20/05	09/20/05	% calculation	
FLR North (5116013-06) Soil									
% Moisture	3.3	0.1	%	1	E152002	09/20/05	09/20/05	% calculation	
STCKPL (5116013-07) Soil									
% Moisture	5.3	0.1	%	1	E152002	09/20/05	09/20/05	% calculation	

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Project Z1a Grizzell 4" Idled Line
Project Number: EMS 2005-00210
Project Manager: Camille Reynolds

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Reported:
09/22/05 08:30

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
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Batch EI51901 - Solvent Extraction (GC)

Blank (EI51901-BLK1)

Prepared 09/19/05 Analyzed 09/20/05

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate 1-Chlorooctane	41.1		mg/kg	50.0		82.2	70-130			
Surrogate 1-Chlorooctadecane	37.9		"	50.0		75.8	70-130			

LCS (EI51901-BS1)

Prepared 09/19/05 Analyzed 09/20/05

Gasoline Range Organics C6-C12	452	10.0	mg/kg wet	500		90.4	75-125			
Diesel Range Organics >C12-C35	440	10.0	"	500		88.0	75-125			
Total Hydrocarbon C6-C35	892	10.0	"	1000		89.2	75-125			
Surrogate 1-Chlorooctane	52.1		mg/kg	50.0		104	70-130			
Surrogate 1-Chlorooctadecane	45.1		"	50.0		90.2	70-130			

Calibration Check (EI51901-CCV1)

Prepared 09/19/05 Analyzed 09/20/05

Gasoline Range Organics C6-C12	433		mg/kg	500		86.6	80-120			
Diesel Range Organics >C12-C35	422		"	500		84.4	80-120			
Total Hydrocarbon C6-C35	855		"	1000		85.5	80-120			
Surrogate 1-Chlorooctane	54.6		"	50.0		109	0-200			
Surrogate 1-Chlorooctadecane	47.8		"	50.0		95.6	0-200			

Matrix Spike (EI51901-MS1)

Source: 5116012-01

Prepared 09/19/05 Analyzed 09/20/05

Gasoline Range Organics C6-C12	448	10.0	mg/kg dry	513	42.6	79.0	75-125			
Diesel Range Organics >C12-C35	1200	10.0	"	513	607	116	75-125			
Total Hydrocarbon C6-C35	1650	10.0	"	1030	650	97.1	75-125			
Surrogate 1-Chlorooctane	59.2		mg/kg	50.0		118	70-130			
Surrogate 1-Chlorooctadecane	61.2		"	50.0		122	70-130			

Matrix Spike Dup (EI51901-MSD1)

Source: 5116012-01

Prepared 09/19/05 Analyzed 09/20/05

Gasoline Range Organics C6-C12	510	10.0	mg/kg dry	513	42.6	91.1	75-125	12.9	20	
Diesel Range Organics >C12-C35	1180	10.0	"	513	607	112	75-125	1.68	20	
Total Hydrocarbon C6-C35	1690	10.0	"	1030	650	101	75-125	2.40	20	
Surrogate 1-Chlorooctane	59.4		mg/kg	50.0		119	70-130			
Surrogate 1-Chlorooctadecane	61.2		"	50.0		122	70-130			

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Project Manager Camille Reynolds

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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 EI151903 - EPA 5030C (GC)										
Blank (EI151903-BLK1)										
Prepared & Analyzed 09/19/05										
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	80.8		ug/kg	100		80.8	80-120			
Surrogate 4-Bromofluorobenzene	86.9		"	100		86.9	80-120			
LCS (EI151903-BS1)										
Prepared & Analyzed 09/19/05										
Benzene	83.8		ug/kg	100		83.8	80-120			
Toluene	91.1		"	100		91.1	80-120			
Ethylbenzene	105		"	100		105	80-120			
Xylene (p/m)	199		"	200		99.5	80-120			
Xylene (o)	104		"	100		104	80-120			
Surrogate a,a,a-Trifluorotoluene	92.1		"	100		92.1	80-120			
Surrogate 4-Bromofluorobenzene	99.4		"	100		99.4	80-120			
Calibration Check (EI151903-CCV1)										
Prepared 09/19/05 Analyzed 09/20/05										
Benzene	100		ug/kg	100		100	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	103		"	100		103	80-120			
Xylene (p/m)	209		"	200		104	80-120			
Xylene (o)	107		"	100		107	80-120			
Surrogate a,a,a-Trifluorotoluene	95.3		"	100		95.3	0-200			
Surrogate 4-Bromofluorobenzene	116		"	100		116	0-200			
Matrix Spike (EI151903-MS1)										
Source: 5115013-04 Prepared 09/19/05 Analyzed 09/20/05										
Benzene	89.4		ug/kg	100	ND	89.4	80-120			
Toluene	92.2		"	100	ND	92.2	80-120			
Ethylbenzene	95.1		"	100	ND	95.1	80-120			
Xylene (p/m)	189		"	200	ND	94.5	80-120			
Xylene (o)	88.7		"	100	ND	88.7	80-120			
Surrogate a,a,a-Trifluorotoluene	91.4		"	100		91.4	80-120			
Surrogate 4-Bromofluorobenzene	119		"	100		119	80-120			

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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
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Batch EI51903 - EPA 5030C (GC)

Matrix Spike Dup (EI51903-MSD1)		Source: 5I15013-04		Prepared 09/19/05		Analyzed: 09/20/05				
Benzene	96 0		ug/kg	100	ND	96 0	80-120	7 12	20	
Toluene	98 0		"	100	ND	98 0	80-120	6 10	20	
Ethylbenzene	86 0		"	100	ND	86 0	80-120	10 0	20	
Xylene (p/m)	166		"	200	ND	83 0	80-120	13 0	20	
Xylene (o)	81 8		"	100	ND	81.8	80-120	8 09	20	
Surrogate a,a,a-Trifluorotoluene	101		"	100		101	80-120			
Surrogate 4-Bromofluorobenzene	89 2		"	100		89 2	80-120			

Batch EI52006 - EPA 5030C (GC)

Blank (EI52006-BLK1)		Prepared & Analyzed: 09/20/05								
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	94 2		ug/kg	100		94 2	80-120			
Surrogate 4-Bromofluorobenzene	95 6		"	100		95 6	80-120			

LCS (EI52006-BS1)

LCS (EI52006-BS1)		Prepared & Analyzed 09/20/05								
Benzene	102		ug/kg	100		102	80-120			
Toluene	103		"	100		103	80-120			
Ethylbenzene	94 7		"	100		94.7	80-120			
Xylene (p/m)	187		"	200		93 5	80-120			
Xylene (o)	83 7		"	100		83 7	80-120			
Surrogate a,a,a-Trifluorotoluene	102		"	100		102	80-120			
Surrogate 4-Bromofluorobenzene	106		"	100		106	80-120			

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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
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Batch EI52006 - EPA 5030C (GC)

Calibration Check (EI52006-CCV1)

Prepared & Analyzed 09/20/05

Benzene	100		ug/kg	100		100	80-120			
Toluene	101		"	100		101	80-120			
Ethylbenzene	103		"	100		103	80-120			
Xylene (p/m)	209		"	200		104	80-120			
Xylene (o)	107		"	100		107	80-120			
Surrogate a,a,a-Trifluorotoluene	95.3		"	100		95.3	0-200			
Surrogate 4-Bromofluorobenzene	116		"	100		116	0-200			

Matrix Spike (EI52006-MS1)

Source: 5119028-02

Prepared & Analyzed 09/20/05

Benzene	2.36	0.0250	mg/kg dry	2.52	ND	93.7	80-120			
Toluene	2.43	0.0250	"	2.52	0.0243	95.5	80-120			
Ethylbenzene	2.27	0.0250	"	2.52	ND	90.1	80-120			
Xylene (p/m)	4.40	0.0250	"	5.04	0.0440	86.4	80-120			
Xylene (o)	2.08	0.0250	"	2.52	ND	82.5	80-120			
Surrogate a,a,a-Trifluorotoluene	94.5		ug/kg	100		94.5	80-120			
Surrogate 4-Bromofluorobenzene	95.8		"	100		95.8	80-120			

Matrix Spike Dup (EI52006-MSD1)

Source: 5119028-02

Prepared & Analyzed 09/20/05

Benzene	2.43	0.0250	mg/kg dry	2.52	ND	96.4	80-120	2.84	20	
Toluene	2.49	0.0250	"	2.52	0.0243	97.8	80-120	2.38	20	
Ethylbenzene	2.33	0.0250	"	2.52	ND	92.5	80-120	2.63	20	
Xylene (p/m)	4.51	0.0250	"	5.04	0.0440	88.6	80-120	2.51	20	
Xylene (o)	2.12	0.0250	"	2.52	ND	84.1	80-120	1.92	20	
Surrogate a,a,a-Trifluorotoluene	95.5		ug/kg	100		95.5	80-120			
Surrogate 4-Bromofluorobenzene	97.6		"	100		97.6	80-120			

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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 EI52002 - General Preparation (Prep)										
Blank (EI52002-BLK1) Prepared & Analyzed: 09/20/05										
% Solids	100		%							
Duplicate (EI52002-DUP1) Source: 5116003-01 Prepared & Analyzed 09/20/05										
% Solids	96.4		%		96.8			0.414	20	
Duplicate (EI52002-DUP2) Source: 5116011-02 Prepared & Analyzed 09/20/05										
% Solids	99.1		%		98.8			0.303	20	
Duplicate (EI52002-DUP3) Source: 5116015-11 Prepared & Analyzed 09/20/05										
% Solids	98.7		%		98.6			0.101	20	
Batch EI52102 - Water Extraction										
Blank (EI52102-BLK1) Prepared: 09/19/05 Analyzed: 09/21/05										
Chloride	ND	0.500	mg/kg							
LCS (EI52102-BS1) Prepared: 09/19/05 Analyzed: 09/21/05										
Chloride	8.74		mg/L	10.0		87.4	80-120			
Calibration Check (EI52102-CCV1) Prepared: 09/19/05 Analyzed: 09/21/05										
Chloride	8.44		mg/L	10.0		84.4	80-120			
Duplicate (EI52102-DUP1) Source: 5116013-05 Prepared: 09/19/05 Analyzed: 09/21/05										
Chloride	38.9	5.00	mg/kg		38.2			1.82	20	

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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

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

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

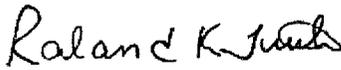
RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

9/22/2005

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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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

Client: Plains

Date/Time: 9/16/05 1:45

Order #: SI16013

Initials: ck

Sample Receipt Checklist

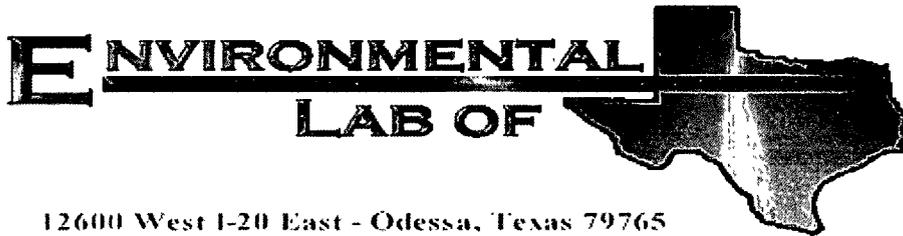
	Yes	No	
Temperature of container/cooler?	Yes	No	L.C. C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on 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	
Container labels legible and intact?	Yes	No	
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	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: Zia Grizzell 4" Idled Line

Project Number: EMS: 2005-00210

Location: Lea County, NM

Lab Order Number: 5K28002

Report Date: 12/01/05

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

Project Zia Grizzell 4" Idled Line
Project Number EMS- 2005-00210
Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
12/01/05 16 06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1 15'	5K28002-01	Soil	11/23/05 08 55	11/23/05 16 00
SB-1 25'	5K28002-02	Soil	11/23/05 09 04	11/23/05 16 00
SB-1 35'	5K28002-03	Soil	11/23/05 09 15	11/23/05 16 00
SB-1 45'	5K28002-04	Soil	11/23/05 09 27	11/23/05 16 00

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SB-1 15' (5K28002-01) Soil									
Benzene	0.105	0.0250	mg/kg dry	25	EK52901	11/29/05	11/29/05	EPA 8021B	
Toluene	0.776	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.639	0.0250	"	"	"	"	"	"	
Xylene (p/m)	2.44	0.0250	"	"	"	"	"	"	
Xylene (o)	0.580	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		166 %	80-120		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		189 %	80-120		"	"	"	"	S-04
Gasoline Range Organics C6-C12	558	10.0	mg/kg dry	1	EK52804	11/28/05	12/01/05	EPA 8015M	
Diesel Range Organics >C12-C35	2530	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	3090	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		112 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		121 %	70-130		"	"	"	"	

SB-1 25' (5K28002-02) Soil									
Benzene	J [0.0115]	0.0250	mg/kg dry	25	EK52901	11/29/05	11/29/05	EPA 8021B	J
Toluene	0.248	0.0250	"	"	"	"	"	"	
Ethylbenzene	0.427	0.0250	"	"	"	"	"	"	
Xylene (p/m)	1.57	0.0250	"	"	"	"	"	"	
Xylene (o)	0.438	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		108 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		173 %	80-120		"	"	"	"	S-04
Gasoline Range Organics C6-C12	371	10.0	mg/kg dry	1	EK52804	11/28/05	12/01/05	EPA 8015M	
Diesel Range Organics >C12-C35	3010	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	3380	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		119 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		130 %	70-130		"	"	"	"	

SB-1 35' (5K28002-03) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52901	11/29/05	11/29/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		100 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.8 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	J [5.54]	10.0	mg/kg dry	1	EK52804	11/28/05	12/01/05	EPA 8015M	J
Diesel Range Organics >C12-C35	223	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	223	10.0	"	"	"	"	"	"	

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.

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

Project Zia Grizzell 4" Idled Line
 Project Number EMS 2005-00210
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 12/01/05 16:06

**Organics by GC
 Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 35' (5K28002-03) Soil									
<i>Surrogate: 1-Chlorooctane</i>		105 %	70-130		EK52804	11/28/05	12/01/05	EPA 8015M	
<i>Surrogate: 1-Chlorooctadecane</i>		105 %	70-130		"	"	"	"	
SB-1 45' (5K28002-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EK52901	11/29/05	11/29/05	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		96.5 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	80-120		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK52804	11/28/05	12/01/05	EPA 8015M	
Diesel Range Organics >C12-C35	34.1	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	34.1	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		112 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		114 %	70-130		"	"	"	"	

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

Project Z1a Grizzell 4" Idled Line
Project Number EMS 2005-00210
Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
12/01/05 16:06

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 15' (5K28002-01) Soil									
% Moisture	4.2	0.1	%	1	EK52902	11/28/05	11/29/05	% calculation	
SB-1 25' (5K28002-02) Soil									
% Moisture	6.1	0.1	%	1	EK52902	11/28/05	11/29/05	% calculation	
SB-1 35' (5K28002-03) Soil									
% Moisture	6.6	0.1	%	1	EK52902	11/28/05	11/29/05	% calculation	
SB-1 45' (5K28002-04) Soil									
% Moisture	2.6	0.1	%	1	EK52902	11/28/05	11/29/05	% calculation	

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

Project Zia Grizzell 4" Idled Line
Project Number EMS 2005-00210
Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
12/01/05 16 06

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 EK52804 - Solvent Extraction (GC)										
Blank (EK52804-BLK1)										
					Prepared 11/28/05 Analyzed 12/01/05					
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate 1-Chlorooctane	38.6		mg/kg	50.0		77.2	70-130			
Surrogate 1-Chlorooctadecane	35.0		"	50.0		70.0	70-130			
LCS (EK52804-BS1)										
					Prepared 11/28/05 Analyzed 12/01/05					
Gasoline Range Organics C6-C12	516	10.0	mg/kg wet	500		103	75-125			
Diesel Range Organics >C12-C35	591	10.0	"	500		118	75-125			
Total Hydrocarbon C6-C35	1110	10.0	"	1000		111	75-125			
Surrogate 1-Chlorooctane	62.5		mg/kg	50.0		125	70-130			
Surrogate 1-Chlorooctadecane	51.2		"	50.0		102	70-130			
Calibration Check (EK52804-CCV1)										
					Prepared 11/28/05 Analyzed 12/01/05					
Gasoline Range Organics C6-C12	410		mg/kg	500		82.0	80-120			
Diesel Range Organics >C12-C35	556		"	500		111	80-120			
Total Hydrocarbon C6-C35	966		"	1000		96.6	80-120			
Surrogate 1-Chlorooctane	56.8		"	50.0		114	70-130			
Surrogate 1-Chlorooctadecane	55.8		"	50.0		112	70-130			
Matrix Spike (EK52804-MS1)										
					Source: 5K28003-11 Prepared 11/28/05 Analyzed 12/01/05					
Gasoline Range Organics C6-C12	504	10.0	mg/kg dry	510	ND	98.8	75-125			
Diesel Range Organics >C12-C35	608	10.0	"	510	ND	119	75-125			
Total Hydrocarbon C6-C35	1110	10.0	"	1020	ND	109	75-125			
Surrogate 1-Chlorooctane	62.8		mg/kg	50.0		126	70-130			
Surrogate 1-Chlorooctadecane	58.3		"	50.0		117	70-130			
Matrix Spike Dup (EK52804-MSD1)										
					Source: 5K28003-11 Prepared 11/28/05 Analyzed 12/01/05					
Gasoline Range Organics C6-C12	535	10.0	mg/kg dry	510	ND	105	75-125	5.97	20	
Diesel Range Organics >C12-C35	619	10.0	"	510	ND	121	75-125	1.79	20	
Total Hydrocarbon C6-C35	1150	10.0	"	1020	ND	113	75-125	3.54	20	
Surrogate 1-Chlorooctane	59.9		mg/kg	50.0		120	70-130			
Surrogate 1-Chlorooctadecane	59.8		"	50.0		120	70-130			

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

Project Zia Grizzell 4" Idled Line
 Project Number EMS 2005-00210
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 12/01/05 16:06

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
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Batch EK52901 - EPA 5030C (GC)

Blank (EK52901-BLK1)

Prepared & Analyzed 11/29/05

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	41.8		ug/kg	40.0		104	80-120			
Surrogate: 4-Bromofluorobenzene	35.6		"	40.0		89.0	80-120			

LCS (EK52901-BS1)

Prepared & Analyzed 11/29/05

Benzene	0.0435	0.00100	mg/kg wet	0.0500		87.0	80-120			
Toluene	0.0526	0.00100	"	0.0500		105	80-120			
Ethylbenzene	0.0550	0.00100	"	0.0500		110	80-120			
Xylene (p/m)	0.103	0.00100	"	0.100		103	80-120			
Xylene (o)	0.0545	0.00100	"	0.0500		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	45.5		ug/kg	40.0		114	80-120			
Surrogate: 4-Bromofluorobenzene	42.4		"	40.0		106	80-120			

Calibration Check (EK52901-CCV1)

Prepared & Analyzed 11/29/05

Benzene	42.7		ug/kg	50.0		85.4	80-120			
Toluene	50.3		"	50.0		101	80-120			
Ethylbenzene	49.7		"	50.0		99.4	80-120			
Xylene (p/m)	93.8		"	100		93.8	80-120			
Xylene (o)	49.4		"	50.0		98.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	44.2		"	40.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	32.9		"	40.0		82.2	80-120			

Matrix Spike (EK52901-MS1)

Source: 5K28011-01

Prepared & Analyzed 11/29/05

Benzene	0.0458	0.00100	mg/kg dry	0.0526	ND	87.1	80-120			
Toluene	0.0559	0.00100	"	0.0526	ND	106	80-120			
Ethylbenzene	0.0593	0.00100	"	0.0526	ND	113	80-120			
Xylene (p/m)	0.111	0.00100	"	0.105	ND	106	80-120			
Xylene (o)	0.0589	0.00100	"	0.0526	ND	112	80-120			
Surrogate: a,a,a-Trifluorotoluene	47.7		ug/kg	40.0		119	80-120			
Surrogate: 4-Bromofluorobenzene	46.7		"	40.0		117	80-120			

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

Project Zia Grizzell 4" Idled Line
 Project Number EMS 2005-00210
 Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
 12/01/05 16:06

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 EK52901 - EPA 5030C (GC)

Matrix Spike Dup (EK52901-MSD1)

Source: 5K28011-01

Prepared & Analyzed: 11/29/05

Benzene	0.0463	0.00100	mg/kg dry	0.0526	ND	88.0	80-120	1.03	20	
Toluene	0.0559	0.00100	"	0.0526	ND	106	80-120	0.00	20	
Ethylbenzene	0.0587	0.00100	"	0.0526	ND	112	80-120	0.889	20	
Xylene (p/m)	0.110	0.00100	"	0.105	ND	105	80-120	0.948	20	
Xylene (o)	0.0583	0.00100	"	0.0526	ND	111	80-120	0.897	20	
Surrogate. a,a,a-Trifluorotoluene	46.3		ug/kg	40.0		116	80-120			
Surrogate 4-Bromofluorobenzene	42.3		"	40.0		106	80-120			

Plains All American EH & S 1301 S. County Road 1150 Midland TX, 79706-4476	Project Z1a Grizzell 4" Idled Line Project Number EMS 2005-00210 Project Manager Daniel Bryant	Fax (432) 687-4914 Reported: 12/01/05 16 06
--	--	--

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 EK52902 - General Preparation (Prep)

Blank (EK52902-BLK1)										Prepared: 11/28/05 Analyzed: 11/29/05
% Solids	100		%							

Duplicate (EK52902-DUP1)		Source: 5K28001-01								Prepared: 11/28/05 Analyzed: 11/29/05
% Solids	97.2		%		96.7			0.516	20	

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

Project Zia Grizzell 4" Idled Line
Project Number EMS. 2005-00210
Project Manager Daniel Bryant

Fax (432) 687-4914

Reported:
12/01/05 16 06

Notes and Definitions

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

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

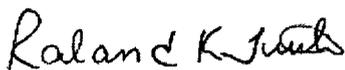
RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By:



Date:

12/1/2005

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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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

Client: Plains

Date/Time: 11/23/05 16:00

Order #: SK28002

Initials: OK

Sample Receipt Checklist

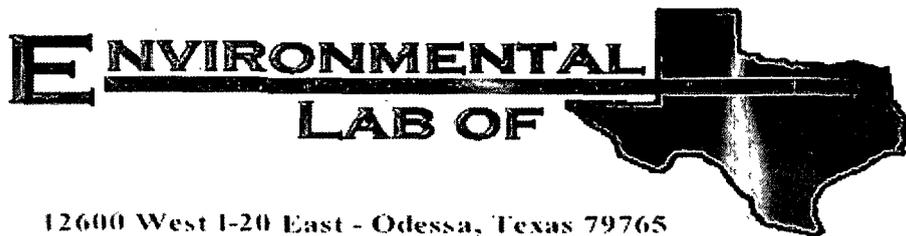
	Yes	No	C/S	C
Temperature of container/cooler?			C/S	C
Shipping container/cooler in good condition?	Yes	No		
Custody Seals intact on shipping container/cooler?	Yes	No	Not present	
Custody Seals intact on sample bottles?	Yes	No	Not present	
Chain of custody present?	Yes	No		
Sample Instructions complete 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		
Container labels legible and intact?	Yes	No		
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	Not Applicable	

Other observations:

Variance Documentation:

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

Corrective Action Taken:



12600 West I-20 East - Odessa, Texas 79765

A Xenco Laboratories Company

Analytical Report

Prepared for:

Daniel Bryant

Plains All American EH & S

1301 S. County Road 1150

Midland, TX 79706-4476

Project: Zia Grizzell 4" Idled Line

Project Number: EMS: 2005-00210

Location: Lea County, NM

Lab Order Number: 7D20009

Report Date: 04/26/07

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

Project Zia Grizzell 4" Idled Line
Project Number EMS 2005-00210
Project Manager Daniel Bryant

Fax: (432) 687-4914

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N/W 13'	7D20009-01	Soil	04/17/07 14 00	04-20-2007 13 00
S/W 13'	7D20009-02	Soil	04/17/07 14 15	04-20-2007 13 00
NE/W 13'	7D20009-03	Soil	04/17/07 14 30	04-20-2007 13 00
NW/W 13'	7D20009-04	Soil	04/17/07 14 45	04-20-2007 13 00
SW/W 13'	7D20009-05	Soil	04/17/07 15 00	04-20-2007 13 00
SE/W 13'	7D20009-06	Soil	04/17/07 15.15	04-20-2007 13 00
EXCV FLR N 15'	7D20009-07	Soil	04/17/07 15 30	04-20-2007 13 00
EXCV FLR S 15'	7D20009-08	Soil	04/17/07 15 45	04-20-2007 13 00

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

Project Zia Grizzell 4" Idled Line
 Project Number EMS- 2005-00210
 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
N/W 13' (7D20009-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED72008	04/23/07	04/24/07	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0334	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		121 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	75-125		"	"	"	"	
Carbon Ranges C6-C12	J [18.2]	50.0	mg/kg dry	5	ED72306	04/23/07	04/24/07	EPA 8015M	J
Carbon Ranges C12-C28	223	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	90.1	50.0	"	"	"	"	"	"	
Total Hydrocarbons	313	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		15.1 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		17.8 %	70-130		"	"	"	"	S-06
S/W 13' (7D20009-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	ED72008	04/23/07	04/24/07	EPA 8021B	
Toluene	J [0.0130]	0.0250	"	"	"	"	"	"	J
Ethylbenzene	0.0574	0.0250	"	"	"	"	"	"	
Xylene (p/m)	0.0662	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		117 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75-125		"	"	"	"	
Carbon Ranges C6-C12	159	50.0	mg/kg dry	5	ED72306	04/23/07	04/24/07	EPA 8015M	
Carbon Ranges C12-C28	2130	50.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	231	50.0	"	"	"	"	"	"	
Total Hydrocarbons	2520	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		15.4 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		18.6 %	70-130		"	"	"	"	S-06
NE/W 13' (7D20009-03) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED72406	04/24/07	04/24/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.4 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.6 %	75-125		"	"	"	"	
Carbon Ranges C6-C12	41.0	10.0	mg/kg dry	1	ED72306	04/23/07	04/24/07	EPA 8015M	

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

Project Zia Grizzell 4" Idled Line
 Project Number EMS. 2005-00210
 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
NE/W 13' (7D20009-03) Soil									
Carbon Ranges C12-C28	12.3	10.0	mg/kg dry	1	ED72306	04/23/07	04/24/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	53.4	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		77.6 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		92.8 %	70-130		"	"	"	"	
NW/W 13' (7D20009-04) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED72406	04/24/07	04/24/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		107 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		104 %	75-125		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72306	04/23/07	04/24/07	EPA 8015M	
Carbon Ranges C12-C28	J [9.17]	10.0	"	"	"	"	"	"	J
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		71.4 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		83.0 %	70-130		"	"	"	"	
SW/W 13' (7D20009-05) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED72406	04/24/07	04/24/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		102 %	75-125		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	75-125		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72306	04/23/07	04/25/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		77.8 %	70-130		"	"	"	"	
<i>Surrogate: 1-Chlorooctadecane</i>		90.2 %	70-130		"	"	"	"	

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Project Z1a Grizzell 4" Idled Line
Project Number EMS 2005-00210
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
SE/W 13' (7D20009-06) Soil									
Benzene	ND	0.00200	mg/kg dry	2	ED72406	04/24/07	04/24/07	EPA 8021B	
Toluene	ND	0.00200	"	"	"	"	"	"	
Ethylbenzene	ND	0.00200	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00200	"	"	"	"	"	"	
Xylene (o)	ND	0.00200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		109 %	75-125		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	75-125		"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	ED72306	04/23/07	04/25/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	"	"	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbons	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		78.4 %	70-130		"	"	"	"	
Surrogate: 1-Chlorooctadecane		91.0 %	70-130		"	"	"	"	
EXCV FLR N 15' (7D20009-07) Soil									
Benzene	0.114	0.0500	mg/kg dry	50	ED72406	04/24/07	04/24/07	EPA 8021B	
Toluene	1.56	0.0500	"	"	"	"	"	"	
Ethylbenzene	6.64	0.0500	"	"	"	"	"	"	
Xylene (p/m)	19.9	0.0500	"	"	"	"	"	"	
Xylene (o)	1.09	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		151 %	75-125		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		176 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C12	3700	100	mg/kg dry	10	ED72306	04/23/07	04/25/07	EPA 8015M	
Carbon Ranges C12-C28	23500	100	"	"	"	"	"	"	
Carbon Ranges C28-C35	4330	100	"	"	"	"	"	"	
Total Hydrocarbons	31500	100	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		19.5 %	70-130		"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		12.6 %	70-130		"	"	"	"	S-06
EXCV FLR S 15' (7D20009-08) Soil									
Benzene	J [0.0399]	0.100	mg/kg dry	100	ED72406	04/24/07	04/24/07	EPA 8021B	J
Toluene	1.20	0.100	"	"	"	"	"	"	
Ethylbenzene	4.83	0.100	"	"	"	"	"	"	
Xylene (p/m)	5.30	0.100	"	"	"	"	"	"	
Xylene (o)	1.53	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		127 %	75-125		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		154 %	75-125		"	"	"	"	S-04
Carbon Ranges C6-C12	1240	50.0	mg/kg dry	5	ED72306	04/23/07	04/25/07	EPA 8015M	

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Project: Zia Grizzell 4" Idled Line
Project Number: EMS 2005-00210
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
EXCV FLR S 15' (7D20009-08) Soil									
Carbon Ranges C12-C28	3790	50.0	mg/kg dry	5	ED72306	04/23/07	04/25/07	EPA 8015M	
Carbon Ranges C28-C35	897	50.0	"	"	"	"	"	"	
Total Hydrocarbons	5930	50.0	"	"	"	"	"	"	
<i>Surrogate: 1-Chlorooctane</i>		19.3 %		70-130	"	"	"	"	S-06
<i>Surrogate: 1-Chlorooctadecane</i>		14.2 %		70-130	"	"	"	"	S-06

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General Chemistry Parameters by EPA / Standard Methods
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
N/W 13' (7D20009-01) Soil									
% Moisture	8.4	0.1	%	1	ED72101	04/20/07	04/20/07	%	calculation
S/W 13' (7D20009-02) Soil									
% Moisture	9.6	0.1	%	1	ED72101	04/20/07	04/20/07	%	calculation
NE/W 13' (7D20009-03) Soil									
% Moisture	3.1	0.1	%	1	ED72101	04/20/07	04/20/07	%	calculation
NW/W 13' (7D20009-04) Soil									
% Moisture	3.9	0.1	%	1	ED72101	04/20/07	04/20/07	%	calculation
SW/W 13' (7D20009-05) Soil									
% Moisture	7.2	0.1	%	1	ED72101	04/20/07	04/20/07	%	calculation
SE/W 13' (7D20009-06) Soil									
% Moisture	5.1	0.1	%	1	ED72101	04/20/07	04/20/07	%	calculation
EXCV FLR N 15' (7D20009-07) Soil									
% Moisture	7.5	0.1	%	1	ED72101	04/20/07	04/20/07	%	calculation
EXCV FLR S 15' (7D20009-08) Soil									
% Moisture	12.4	0.1	%	1	ED72101	04/20/07	04/20/07	%	calculation

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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 ED72008 - EPA 5030C (GC)										
Blank (ED72008-BLK1)										
Prepared: 04/20/07 Analyzed: 04/23/07										
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate a,a,a-Trifluorotoluene	53.0		ug/kg	50.0		106	75-125			
Surrogate 4-Bromofluorobenzene	50.6		"	50.0		101	75-125			
LCS (ED72008-BS1)										
Prepared: 04/20/07 Analyzed: 04/23/07										
Benzene	0.0535	0.00100	mg/kg wet	0.0500		107	80-120			
Toluene	0.0539	0.00100	"	0.0500		108	80-120			
Ethylbenzene	0.0572	0.00100	"	0.0500		114	80-120			
Xylene (p/m)	0.106	0.00100	"	0.100		106	80-120			
Xylene (o)	0.0580	0.00100	"	0.0500		116	80-120			
Surrogate a,a,a-Trifluorotoluene	53.1		ug/kg	50.0		106	75-125			
Surrogate 4-Bromofluorobenzene	53.1		"	50.0		106	75-125			
Calibration Check (ED72008-CCV1)										
Prepared: 04/20/07 Analyzed: 04/24/07										
Benzene	54.3		ug/kg	50.0		109	80-120			
Toluene	54.9		"	50.0		110	80-120			
Ethylbenzene	58.2		"	50.0		116	80-120			
Xylene (p/m)	105		"	100		105	80-120			
Xylene (o)	58.8		"	50.0		118	80-120			
Surrogate a,a,a-Trifluorotoluene	49.8		"	50.0		99.6	75-125			
Surrogate 4-Bromofluorobenzene	52.4		"	50.0		105	75-125			
Matrix Spike (ED72008-MS1)										
Source: 7D20008-02 Prepared: 04/20/07 Analyzed: 04/24/07										
Benzene	0.0985	0.00200	mg/kg dry	0.106	ND	92.9	80-120			
Toluene	0.0926	0.00200	"	0.106	ND	87.4	80-120			
Ethylbenzene	0.0880	0.00200	"	0.106	ND	83.0	80-120			
Xylene (p/m)	0.171	0.00200	"	0.211	ND	81.0	80-120			
Xylene (o)	0.0918	0.00200	"	0.106	ND	86.6	80-120			
Surrogate a,a,a-Trifluorotoluene	39.4		ug/kg	50.0		78.8	75-125			
Surrogate 4-Bromofluorobenzene	38.3		"	50.0		76.6	75-125			

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 Project Number EMS- 2005-00210
 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
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Batch ED72008 - EPA 5030C (GC)

Matrix Spike Dup (ED72008-MSD1)	Source: 7D20008-02			Prepared: 04/20/07 Analyzed: 04/24/07						
Benzene	0.0966	0.00200	mg/kg dry	0.106	ND	91.1	80-120	1.96	20	
Toluene	0.0909	0.00200	"	0.106	ND	85.8	80-120	1.85	20	
Ethylbenzene	0.0932	0.00200	"	0.106	ND	87.9	80-120	5.73	20	
Xylene (p/m)	0.174	0.00200	"	0.211	ND	82.5	80-120	1.83	20	
Xylene (o)	0.0913	0.00200	"	0.106	ND	86.1	80-120	0.579	20	
Surrogate: a,a,a-Trifluorotoluene	40.8		ug/kg	50.0		81.6	75-125			
Surrogate: 4-Bromofluorobenzene	40.0		"	50.0		80.0	75-125			

Batch ED72306 - Solvent Extraction (GC)

Blank (ED72306-BLK1)	Prepared: 04/23/07 Analyzed: 04/24/07				
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 Hydrocarbons	ND	10.0	"		
Surrogate: 1-Chlorooctane	43.7		mg/kg	50.0	87.4 70-130
Surrogate: 1-Chlorooctadecane	54.3		"	50.0	109 70-130

LCS (ED72306-BS1)	Prepared: 04/23/07 Analyzed: 04/24/07				
Carbon Ranges C6-C12	552	10.0	mg/kg wet	500	110 75-125
Carbon Ranges C12-C28	417	10.0	"	500	83.4 75-125
Carbon Ranges C28-C35	ND	10.0	"	0.00	75-125
Total Hydrocarbons	969	10.0	"	1000	96.9 75-125
Surrogate: 1-Chlorooctane	50.0		mg/kg	50.0	100 70-130
Surrogate: 1-Chlorooctadecane	46.4		"	50.0	92.8 70-130

Calibration Check (ED72306-CCV1)	Prepared: 04/23/07 Analyzed: 04/25/07				
Carbon Ranges C6-C12	288		mg/kg	250	115 80-120
Carbon Ranges C12-C28	259		"	250	104 80-120
Total Hydrocarbons	547		"	500	109 80-120
Surrogate: 1-Chlorooctane	52.0		"	50.0	104 70-130
Surrogate: 1-Chlorooctadecane	59.4		"	50.0	119 70-130

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Project Zia Grizzell 4" Idled Line
 Project Number EMS- 2005-00210
 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
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Batch ED72306 - Solvent Extraction (GC)

Matrix Spike (ED72306-MS1)		Source: 7D20015-04		Prepared 04/23/07		Analyzed 04/25/07				
Carbon Ranges C6-C12	588	10.0	mg/kg dry	537	ND	109	75-125			
Carbon Ranges C12-C28	538	10.0	"	537	ND	100	75-125			
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125			
Total Hydrocarbons	1130	10.0	"	1070	ND	106	75-125			
Surrogate 1-Chlorooctane	56.8		mg/kg	50.0		114	70-130			
Surrogate 1-Chlorooctadecane	46.8		"	50.0		93.6	70-130			
Matrix Spike Dup (ED72306-MSD1)		Source: 7D20015-04		Prepared 04/23/07		Analyzed 04/25/07				
Carbon Ranges C6-C12	621	10.0	mg/kg dry	537	ND	116	75-125	6.22	20	
Carbon Ranges C12-C28	524	10.0	"	537	ND	97.6	75-125	2.43	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbons	1150	10.0	"	1070	ND	107	75-125	0.939	20	
Surrogate 1-Chlorooctane	50.7		mg/kg	50.0		101	70-130			
Surrogate 1-Chlorooctadecane	52.7		"	50.0		105	70-130			

Batch ED72406 - EPA 5030C (GC)

Blank (ED72406-BLK1)				Prepared & Analyzed 04/24/07						
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate a,a,a-Trifluorotoluene	58.2		ug/kg	50.0		116	75-125			
Surrogate 4-Bromofluorobenzene	60.0		"	50.0		120	75-125			
LCS (ED72406-BS1)				Prepared 04/24/07		Analyzed 04/25/07				
Benzene	0.0556	0.00100	mg/kg wet	0.0500		111	80-120			
Toluene	0.0588	0.00100	"	0.0500		118	80-120			
Ethylbenzene	0.0597	0.00100	"	0.0500		119	80-120			
Xylene (p/m)	0.115	0.00100	"	0.100		115	80-120			
Xylene (o)	0.0593	0.00100	"	0.0500		119	80-120			
Surrogate a,a,a-Trifluorotoluene	59.6		ug/kg	50.0		119	75-125			
Surrogate 4-Bromofluorobenzene	58.4		"	50.0		117	75-125			

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

Project Zia Grizzell 4" Idled Line
 Project Number EMS 2005-00210
 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
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Batch ED72406 - EPA 5030C (GC)

Calibration Check (ED72406-CCV1)

Prepared 04/24/07 Analyzed: 04/25/07

Benzene	53.2		ug/kg	50.0		106	80-120			
Toluene	54.4		"	50.0		109	80-120			
Ethylbenzene	55.6		"	50.0		111	80-120			
Xylene (p/m)	106		"	100		106	80-120			
Xylene (o)	57.5		"	50.0		115	80-120			
Surrogate a,a,a-Trifluorotoluene	54.1		"	50.0		108	75-125			
Surrogate 4-Bromofluorobenzene	54.6		"	50.0		109	75-125			

Matrix Spike (ED72406-MS1)

Source: 7D20009-03

Prepared 04/24/07 Analyzed 04/25/07

Benzene	0.102	0.00200	mg/kg dry	0.103	ND	99.0	80-120			
Toluene	0.110	0.00200	"	0.103	ND	107	80-120			
Ethylbenzene	0.107	0.00200	"	0.103	ND	104	80-120			
Xylene (p/m)	0.208	0.00200	"	0.206	ND	101	80-120			
Xylene (o)	0.113	0.00200	"	0.103	ND	110	80-120			
Surrogate a,a,a-Trifluorotoluene	50.4		ug/kg	50.0		101	75-125			
Surrogate 4-Bromofluorobenzene	52.6		"	50.0		105	75-125			

Matrix Spike Dup (ED72406-MSD1)

Source: 7D20009-03

Prepared 04/24/07 Analyzed 04/25/07

Benzene	0.0977	0.00200	mg/kg dry	0.103	ND	94.9	80-120	4.23	20	
Toluene	0.103	0.00200	"	0.103	ND	100	80-120	6.76	20	
Ethylbenzene	0.108	0.00200	"	0.103	ND	105	80-120	0.957	20	
Xylene (p/m)	0.201	0.00200	"	0.206	ND	97.6	80-120	3.42	20	
Xylene (o)	0.109	0.00200	"	0.103	ND	106	80-120	3.70	20	
Surrogate a,a,a-Trifluorotoluene	49.5		ug/kg	50.0		99.0	75-125			
Surrogate 4-Bromofluorobenzene	51.5		"	50.0		103	75-125			

Environmental Lab of Texas

A Xenco Laboratories Company

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

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

Project Zia Grizzell 4" Idled Line
 Project Number EMS. 2005-00210
 Project Manager Daniel Bryant

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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 ED72101 - General Preparation (Prep)										
Blank (ED72101-BLK1)										Prepared & Analyzed 04/20/07
% Solids	100		%							
Duplicate (ED72101-DUP1)		Source: 7D19008-01								Prepared & Analyzed 04/20/07
% Solids	96.8		%		96.5			0.310	20	
Duplicate (ED72101-DUP2)		Source: 7D19008-21								Prepared & Analyzed: 04/20/07
% Solids	86.7		%		88.0			1.49	20	
Duplicate (ED72101-DUP3)		Source: 7D20007-01								Prepared & Analyzed 04/20/07
% Solids	89.2		%		89.1			0.112	20	

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Basin Env. Sros. Tech.
 Date/ Time: 4-20-07 1:00
 Lab ID #: 7D2009
 Initials: AL

Sample Receipt Checklist

Client Initials

Question	Yes	No	Response	Initials
#1 Temperature of container/ cooler?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.5 °C	
#2 Shipping container in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#3 Custody Seals intact on shipping container/ cooler?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Present	
#4 Custody Seals intact on sample bottles/ container?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Present	
#5 Chain of Custody present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#6 Sample instructions complete of Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#7 Chain of Custody signed when relinquished/ received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#8 Chain of Custody agrees with sample label(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ID written on Cont./ Lid	
#9 Container label(s) legible and intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#11 Containers supplied by ELOT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#12 Samples in proper container/ bottle?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Below	
#13 Samples properly preserved?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Below	
#14 Sample bottles intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#15 Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#16 Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
#17 Sufficient sample amount for indicated test(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Below	
#18 All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Below	
#19 Subcontract of sample(s)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Applicable	
#20 VOC samples have zero headspace?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not Applicable	

Variance Documentation

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

Regarding: _____

Corrective Action Taken: _____

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



6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1296
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
5015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Ken Dutton
Basin Environmental Service Tech LLC
P.O. Box 301
Lovington, NM, 88260

Report Date: December 20, 2007

Work Order: 7121928



Project Location: Lea County, NM
Project Name: Zia Grizzell 4
Project Number: SRS: 2005-00210

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
145838	N/W 9'	soil	2007-12-18	15:30	2007-12-19
145839	S/W 9'	soil	2007-12-18	15:45	2007-12-19
145840	EXCV FLR N 15'	soil	2007-12-18	16:00	2007-12-19

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

This report consists of a total of 9 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 145838 - N/W 9'

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5035
QC Batch: 44021	Date Analyzed: 2007-12-19	Analyzed By: DC
Prep Batch: 37925	Sample Preparation: 2007-12-19	Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene	B	0.0348	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	70 - 130
4-Bromofluorobenzene (4-BFB)		0.918	mg/Kg	1	1.00	92	70 - 130

Sample: 145838 - N/W 9'

Analysis: TPH DRO	Analytical Method: Mod. 8015B	Prep Method: N/A
QC Batch: 44020	Date Analyzed: 2007-12-19	Analyzed By: LD
Prep Batch: 37916	Sample Preparation: 2007-12-19	Prepared By: LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		133	mg/Kg	1	100	133	17.3 - 169.6

Sample: 145838 - N/W 9'

Analysis: TPH GRO	Analytical Method: S 8015B	Prep Method: S 5035
QC Batch: 44022	Date Analyzed: 2007-12-19	Analyzed By: DC
Prep Batch: 37925	Sample Preparation: 2007-12-19	Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.994	mg/Kg	1	1.00	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.898	mg/Kg	1	1.00	90	70 - 130

Sample: 145839 - S/W 9'

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5035
QC Batch: 44021	Date Analyzed: 2007-12-19	Analyzed By: DC
Prep Batch: 37925	Sample Preparation: 2007-12-19	Prepared By: DC

Parameter	Flag	RL		Dilution	RL
		Result	Units		
Benzene		<0.0100	mg/Kg	1	0.0100
Toluene		<0.0100	mg/Kg	1	0.0100
Ethylbenzene		<0.0100	mg/Kg	1	0.0100
Xylene	B	0.0404	mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	70 - 130
4-Bromofluorobenzene (4-BFB)		0.915	mg/Kg	1	1.00	92	70 - 130

Sample: 145839 - S/W 9'

Analysis: TPH DRO	Analytical Method: Mod. 8015B	Prep Method: N/A
QC Batch: 44020	Date Analyzed: 2007-12-19	Analyzed By: LD
Prep Batch: 37916	Sample Preparation: 2007-12-19	Prepared By: LD

Parameter	Flag	RL		Dilution	RL
		Result	Units		
DRO		<50.0	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		108	mg/Kg	1	100	108	17.3 - 169.6

Sample: 145839 - S/W 9'

Analysis: TPH GRO	Analytical Method: S 8015B	Prep Method: S 5035
QC Batch: 44022	Date Analyzed: 2007-12-19	Analyzed By: DC
Prep Batch: 37925	Sample Preparation: 2007-12-19	Prepared By: DC

Parameter	Flag	RL		Dilution	RL
		Result	Units		
GRO		<1.00	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.991	mg/Kg	1	1.00	99	70 - 130
4-Bromofluorobenzene (4-BFB)		0.897	mg/Kg	1	1.00	90	70 - 130

Sample: 145840 - EXCV FLR N 15'

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5035
QC Batch: 44021	Date Analyzed: 2007-12-19	Analyzed By: DC
Prep Batch: 37925	Sample Preparation: 2007-12-19	Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0500	mg/Kg	5	0.0100
Toluene		<0.0500	mg/Kg	5	0.0100
Ethylbenzene		<0.0500	mg/Kg	5	0.0100
Xylene		0.415	mg/Kg	5	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.05	mg/Kg	5	5.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)		4.76	mg/Kg	5	5.00	95	70 - 130

Sample: 145840 - EXCV FLR N 15'

Analysis: TPH DRO	Analytical Method: Mod. 8015B	Prep Method: N/A
QC Batch: 44020	Date Analyzed: 2007-12-19	Analyzed By: LD
Prep Batch: 37916	Sample Preparation: 2007-12-19	Prepared By: LD

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		1330	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	¹	240	mg/Kg	1	100	240	17.3 - 169.6

Sample: 145840 - EXCV FLR N 15'

Analysis: TPH GRO	Analytical Method: S 8015B	Prep Method: S 5035
QC Batch: 44022	Date Analyzed: 2007-12-19	Analyzed By: DC
Prep Batch: 37925	Sample Preparation: 2007-12-19	Prepared By: DC

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		153	mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.98	mg/Kg	5	5.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)		5.36	mg/Kg	5	5.00	107	70 - 130

¹High surrogate recovery due to peak interference.

Method Blank (1) QC Batch: 44020

QC Batch: 44020
Prep Batch: 37916

Date Analyzed: 2007-12-19
QC Preparation: 2007-12-19

Analyzed By: LD
Prepared By: LD

Parameter	Flag	MDL Result	Units	RL
DRO		<13.4	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		137	mg/Kg	1	100	137	32.9 - 156.1

Method Blank (1) QC Batch: 44021

QC Batch: 44021
Prep Batch: 37925

Date Analyzed: 2007-12-19
QC Preparation: 2007-12-19

Analyzed By: DC
Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00300	mg/Kg	0.01
Toluene		<0.00300	mg/Kg	0.01
Ethylbenzene		<0.00400	mg/Kg	0.01
Xylene		0.0275	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.03	mg/Kg	1	1.00	103	70 - 130
4-Bromofluorobenzene (4-BFB)		0.921	mg/Kg	1	1.00	92	70 - 130

Method Blank (1) QC Batch: 44022

QC Batch: 44022
Prep Batch: 37925

Date Analyzed: 2007-12-19
QC Preparation: 2007-12-19

Analyzed By: DC
Prepared By: DC

Parameter	Flag	MDL Result	Units	RL
GRO		0.682	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/Kg	1	1.00	105	70 - 130
4-Bromofluorobenzene (4-BFB)		0.919	mg/Kg	1	1.00	92	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 44020
Prep Batch: 37916

Date Analyzed: 2007-12-19
QC Preparation: 2007-12-19

Analyzed By: LD
Prepared By: LD

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	210	mg/Kg	1	250	<13.4	84	49.1 - 142.3

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	210	mg/Kg	1	250	<13.4	84	49.1 - 142.3	0	20

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Triacontane	89.3	89.6	mg/Kg	1	100	89	90	49 - 133.2

Laboratory Control Spike (LCS-1)

QC Batch: 44021
 Prep Batch: 37925

Date Analyzed: 2007-12-19
 QC Preparation: 2007-12-19

Analyzed By: DC
 Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.02	mg/Kg	1	1.00	<0.00300	102	70 - 130
Toluene	1.02	mg/Kg	1	1.00	<0.00300	102	70 - 130
Ethylbenzene	1.03	mg/Kg	1	1.00	<0.00400	103	70 - 130
Xylene	3.10	mg/Kg	1	3.00	0.0275	103	70 - 130

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

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.996	mg/Kg	1	1.00	<0.00300	100	70 - 130	2	
Toluene	0.994	mg/Kg	1	1.00	<0.00300	99	70 - 130	3	
Ethylbenzene	1.00	mg/Kg	1	1.00	<0.00400	100	70 - 130	3	
Xylene	3.02	mg/Kg	1	3.00	0.0275	101	70 - 130	3	

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

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.04	1.04	mg/Kg	1	1.00	104	104	70 - 130
4-Bromofluorobenzene (4-BFB)	0.926	0.928	mg/Kg	1	1.00	93	93	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 44022
 Prep Batch: 37925

Date Analyzed: 2007-12-19
 QC Preparation: 2007-12-19

Analyzed By: DC
 Prepared By: DC

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.63	mg/Kg	1	10.0	<0.0118	86	70 - 130

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

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	8.77	mg/Kg	1	10.0	<0.0118	88	70 - 130	2	

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

Surrogate	LCS Result	LCS Result	Units	Dil.	Spike Amount	LCS Rec.	LCS Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.15	1.14	mg/Kg	1	1.00	115	114	70 - 130
4-Bromofluorobenzene (4-BFB)	0.954	0.939	mg/Kg	1	1.00	95	94	70 - 130

Matrix Spike (MS-1) Spiked Sample: 145838

QC Batch: 44020 Date Analyzed: 2007-12-19 Analyzed By: LD
 Prep Batch: 37916 QC Preparation: 2007-12-19 Prepared By: LD

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	208	mg/Kg	1	250	<13.4	83	30.2 - 201.4

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	² 158	mg/Kg	1	250	<13.4	63	30.2 - 201.4	27	20

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	104	102	mg/Kg	1	100	104	102	10 - 194

Matrix Spike (MS-1) Spiked Sample: 145844

QC Batch: 44021 Date Analyzed: 2007-12-19 Analyzed By: DC
 Prep Batch: 37925 QC Preparation: 2007-12-19 Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.09	mg/Kg	1	1.00	<0.00300	109	70 - 130
Toluene	1.11	mg/Kg	1	1.00	<0.00300	111	70 - 130
Ethylbenzene	1.13	mg/Kg	1	1.00	<0.00400	113	70 - 130
Xylene	3.41	mg/Kg	1	3.00	0.0298	113	70 - 130

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.25	mg/Kg	1	1.00	<0.00300	125	70 - 130	14	
Toluene	1.26	mg/Kg	1	1.00	<0.00300	126	70 - 130	13	
Ethylbenzene	1.30	mg/Kg	1	1.00	<0.00400	130	70 - 130	14	
Xylene	3.90	mg/Kg	1	3.00	0.0298	129	70 - 130	13	

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

²MS/MSD RPD out of RPD Limits. Use LCS/LCSD to demonstrate analysis is under control.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.03	1.02	mg/Kg	1	1	103	102	70 - 130
4-Bromofluorobenzene (4-BFB)	0.916	0.923	mg/Kg	1	1	92	92	70 - 130

Matrix Spike (MS-1) Spiked Sample: 145838

QC Batch: 44022 Date Analyzed: 2007-12-19 Analyzed By: DC
 Prep Batch: 37925 QC Preparation: 2007-12-19 Prepared By: DC

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	8.11	mg/Kg	1	10.0	<0.0118	81	70 - 130

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

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	8.15	mg/Kg	1	10.0	<0.0118	82	70 - 130	0	

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

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.987	0.975	mg/Kg	1	1	99	98	70 - 130
4-Bromofluorobenzene (4-BFB)	0.933	0.934	mg/Kg	1	1	93	93	70 - 130

Standard (ICV-1)

QC Batch: 44020 Date Analyzed: 2007-12-19 Analyzed By: LD

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	226	90	85 - 115	2007-12-19

Standard (CCV-1)

QC Batch: 44020 Date Analyzed: 2007-12-19 Analyzed By: LD

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	228	91	85 - 115	2007-12-19

Standard (ICV-1)

QC Batch: 44021 Date Analyzed: 2007-12-19 Analyzed By: DC

Appendix B
Soil Boring Log

**Plains Marketing, L. P.
Zia Grizzell 4-Inch Idled Line
Lea County, New Mexico
SE/SE S8, T22S, R37E
SRS: 2005-00210**

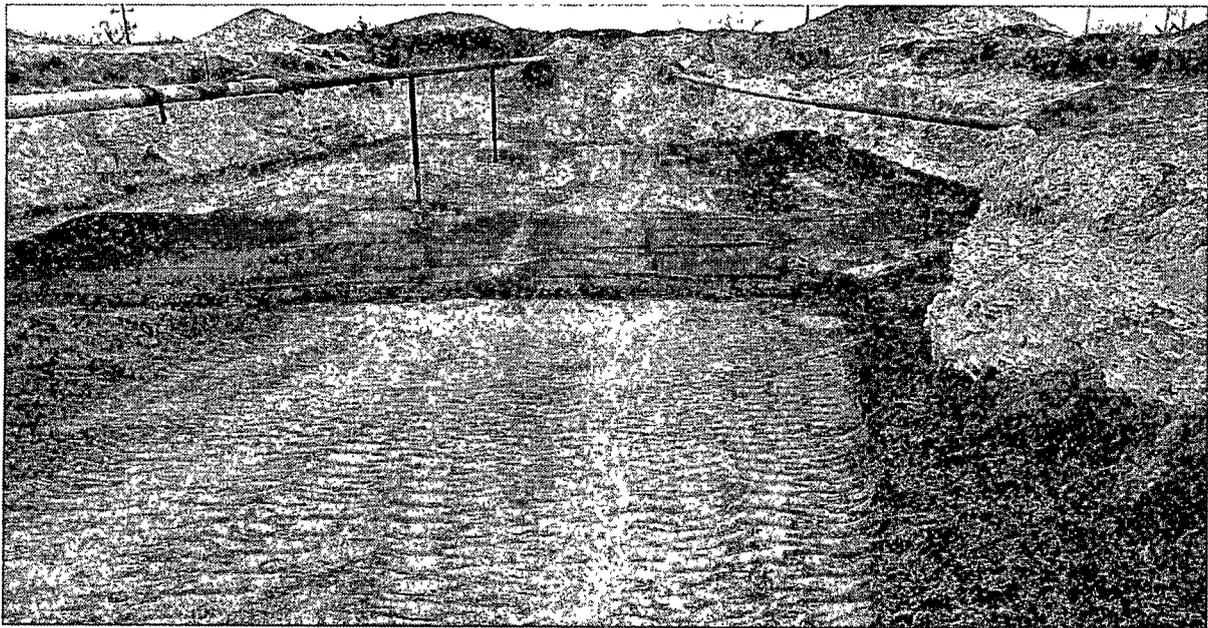
Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	
Excavation Floor 10 feet bgs						
5		1310 ppm	Heavy	Heavy	Backfill, Dry	Soil Boring Completion Data
10		1127 ppm	Heavy	Heavy	Caliche Layer, Dry	TD: 45 Feet bgs
15		364 ppm	Heavy	Moderate	Sand (SP) White-Brown, Very Fine Grained, Well Sorted, imbedded w/ caliche, Dry	Installed 23 November 2005 Basin Environmental Service Technologies
20		163 ppm	Heavy	Heavy	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry	Soil Boring Completion Data
25		137 ppm	Heavy	Heavy		 14 bags of hydrated Bentonite Plug, Surface to 45' bgs
30		84.4 ppm	Heavy	Heavy		
35		18.7 ppm	Moderate	Moderate		
40		10.5 ppm	Moderate	Moderate		
45 TD		10.1 ppm	Moderate	Moderate		

TITLE	DESCRIPTION
Appendix B Zia Grizzell 4-Inch Idled Line	Soil Boring 1
DRAWN BY	DATE
KAD	December 20, 2006

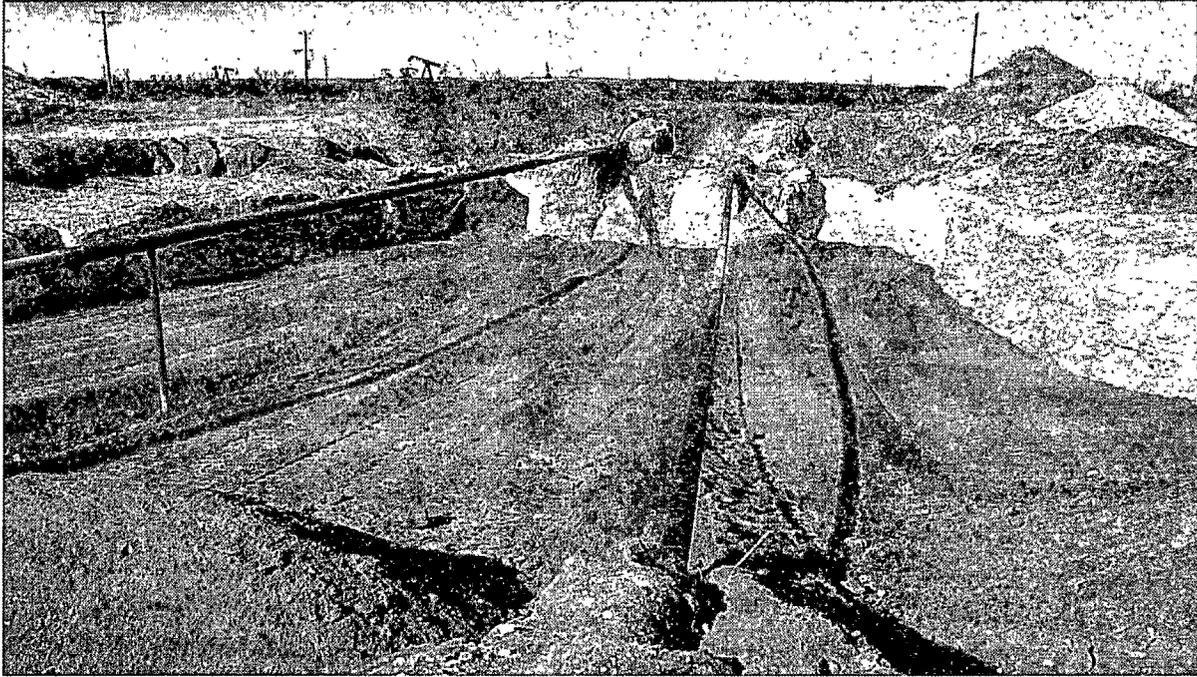
Appendix C
Photographs



Completed excavation at the Zia Grizzell 4-Inch Idled Pipeline Release Site



Installation of the synthetic liner at the Zia Grizzell 4-Inch Idled Pipeline Release Site



Backfilling activities at the Zia Grizzell 4-Inch Idled Pipeline Release Site



Zia Grizzell 4-Inch Idled Pipeline Release Site upon completion of backfilling activities

Appendix D
Release Notification and Corrective Action
(Form C-141)

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-141
Revised October 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company	Plains Pipeline, LP	Contact	Daniel Bryant
Address	P.O. Box 3119 - Midland, Tx 79702	Telephone No.	(432) 557-5865
Facility Name	Zia Grizzell 4" Idled Line	Facility Type	Pipeline

Surface Owner	Apache Corporation	Mineral Owner		Lease No.	
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	8	22S	37E					Lea

75'

Latitude N 32° 24' 10.7" Longitude W 103° 10' 38.7"

NATURE OF RELEASE

Type of Release	Sour Crude Oil	Volume of Release	40 bbls	Volume Recovered	30 bbls
Source of Release	4" steel idled line	Date and Hour of Occurrence	09/05/2005 10:30	Date and Hour of Discovery	09/05/2005 11:00
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	Gary Wink		
By Whom?	Camille Reynolds	Date and Hour	09/05/2005 14:50		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse:			

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Recent pipeline work caused a collar to break on the idled Zia Grizzell 4" steel pipeline. Line was cut and capped to mitigate the release. Due to the line being idled at time of release, the pressure of the line was 0 lbs and had no throughput on the pipeline. The gravity of the crude oil is 37.1 @ 65°. H₂S content is <10 ppm. Line depth is approximately 2.5' at the release source.

Describe Area Affected and Cleanup Action Taken.*
Visible staining from the pipeline release measured 45' X 24' yielding 1,080 ft². Impacted soil will be remediated per NMOCID guidelines.

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

Signature: <i>Daniel Bryant</i>		OIL CONSERVATION DIVISION	
Printed Name: Daniel Bryant		Approved by District Supervisor: <i>Eric Johnson</i>	
Title: Environmental R/C Specialist		Approval Date: 12.21.06	Expiration Date: 3.21.06
E-mail Address: dmbryant@paalp.com		Conditions of Approval:	
Date: 9/9/05		Attached <input type="checkbox"/>	
Phone: (432) 557-5865			

* Attach Additional Sheets If Necessary

Facility - APAC0635550008
Incident - APAC0635550101
application - APAC0635550263
RP# 1156