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PRELIMINARY SITE INVESTIGATION REPORT and REMEDIATION/CLOSURE PLAN

PLAINS MARKETING, L.P. (231735) Jal Tank Farm (Plains SRS: 2005-00151) Tank 374 10" Sweet Truck Haul Line (Plains SRS: 2005-00172) Jal Tank Farm (Plains SRS: 2005-00183) Lea County, New Mexico UNIT P (SE/SE), Section 32, Township 25 South, Range 37 East Latitude 32°, 04', 52.1" North, Longitude 103°, 10', 34.8" West NMOCD File Number: 1RP-1668

Prepared For:

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

Prepared By: Basin Environmental Service Technologies, LLC

25 January 2008

Ken Dutton Basin Environmental Service Technologies, LLC

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INTRODUCTION

Basin Environmental Service Technologies, LLC (Basin), responded to a crude oil release for Plains Marketing, L.P. (Plains), located at the Jal Station Tank 374 10" Sweet Truck Haul Line on 13 July 2005 (SRS # 2005-00172). The Tank 374 10" Sweet Truck Haul Line crude oil release was contained by Plains operations personnel utilizing a pipeline repair clamp. Basin initiated excavation of the impacted soil which was stockpiled adjacent to the excavation on a 6-ml poly-liner. On 25 July 2005, a subsequent crude oil release occurred from the exposed Tank 374 10" Sweet Truck Haul Line, releasing crude oil into the excavated area, that was contained by Plains operations personnel utilizing a pipeline repair clamp (SRS # 2005-00183). The Tank 374 10" Sweet Truck Haul Line is located on land owned by Mr. George Willis. Basin recommended and Plains approved, that the initial crude oil release which occurred on the Tank 374 10" Sweet Truck Haul line (SRS # 2005-00151), located inside the Jal Station Tank Farm, 27 June 2005, be incorporated into the remedial activities to be conducted for the subsequent releases. The 27 June 2005, Tank 374 10" Sweet Truck Haul Line crude oil release is located on land owned by Plains All American.

To efficiently and effectively remediate the three (3) crude oil release sites, Basin, with Plains concurrence, will implement an objective strategy to incorporate the three (3) reportable crude oil releases into the Remediation/Closure Plan for the releases.

The combined sites are located in Unit P (SE¼/SE¼) Section 32, Township 25 South, Range 37 East, in Lea County, New Mexico (topographic Site Location Map is attached as Figure 1). The site latitude is 32°, 04, 52.1 North and site longitude is 103°, 10, 34.8 West. The site is characterized by a pipeline right-of-way located inside Plains Jal Station and adjacent to Plains Jal Station. Plains Jal Station is a major crude oil pump station situated on the Plains pipeline system containing numerous large volume holding tanks, pumping stations and pipelines delivering and transferring crude oil down stream to refineries. The 27 June 2005, crude oil release has a visible surface stained area includes the release point and flow path area covering an area approximately 20 feet long by 20 feet wide. The 13 and 25 July 2005, visible surface stained area includes the release point and flow path area covering an area approximately 115 feet long by 26 feet wide. A combined total of 70 barrels of crude oil were estimated to have been released from the three (3) crude oil pipeline releases and 40 barrels were recovered.

An emergency One-Call was initiated prior to excavation of the Tank 374 10" Sweet Truck Haul Line and all responding companies either cleared or marked their respective lines. Subsequent renewals of the one-call have been accomplished as required.

Mr. Larry Johnson and Mr. Paul Sheeley, New Mexico Oil Conservation Division (NMOCD), Hobbs, New Mexico District 1, were verbally notified of the three (3)

releases on 27 June 2005, 14 July 2005 and 26 July 2005, respectively. Three (3) NMOCD C-141 forms were completed by Plains and submitted to the NMOCD, Hobbs, New Mexico Office (see Appendix F, NMOCD C-141).

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SUMMARY OF FIELD ACTIVITIES

In July 2005, Basin mobilized to the Tank 374 10" Sweet Truck Haul Line (SRS # 2005-00172) crude oil release site responding to a request from Plains. Plains operations personnel contained the crude oil release by utilizing a pipeline repair clamp. Upon arrival at the release site, Basin initiated excavation of the release point and flow path area with the impacted soil stockpiled on a 6-mil poly liner adjacent to the excavation for future remedial action. On 25 July 2005, a subsequent crude oil release occurred from the exposed Tank 374 10" Sweet Truck Haul Line (SRS # 2005-00183), releasing the crude oil into the excavated area, that was contained by Plains operations by utilizing a pipeline repair clamp. Environmental Plus Inc., (EPI) responded to the initial release (SRS # 2005-00151) in June 2005, for Plains and conducted the initial site stabilization activities. Basin recommended and Plains approved, that the initial crude oil release which occurred on the Tank 374 10" Sweet Truck Haul line (SRS # 2005-00151), located inside the Jal Station Tank Farm, 27 June 2005, be incorporated into the remedial activities to be conducted for the subsequent releases.

In August 2005, five (5) soil samples were collected from the floor and walls of the excavation ranging in depth from approximately 6 to 15 feet bgs. Field screening with a Photo-ionization Detector (PID) indicated elevated concentrations of Volatile Organic Compounds (VOCs) existed on the floor and walls of the excavation.

In September 2005, eight (8) soil borings were installed to evaluate the vertical and horizontal extent of crude oil impact of the three (3) releases. The soil borings were installed at surface grade, adjacent to the release points and along the flow path areas with soil samples collected at five (5) feet intervals. The soil borings were installed to a subsurface depth ranging from approximately 20 to 100 feet bgs.

NEW MEXICO OIL CONSERVATION DIVISION (NMOCD) SOIL CLASSIFICATION

A search of the New Mexico State Engineers database revealed depth to groundwater depths ranging from 95 to 102 feet bgs for that section, township and range. The depth to groundwater map utilized by NMOCD, District 1, indicates depth to groundwater ranging from 100 to 110 feet for that area. During the installation of Soil Boring 1 (SB-1) to a true subsurface depth of approximately 100 feet bgs, groundwater was not encountered. There are no surface water bodies or water wells within 1000 feet of the release site. Based on this data, the site has an NMOCD Ranking Score of >19, which sets the remediation levels at:

Benzene: 10 ppm

TOTAL BTEX: 50 ppm

TPH: 100 ppm

DISTRIBUTION OF HYDROCARBONS IN THE UNSATURATED ZONE

The final excavation dimensions of the 1st crude oil release (27 June 2005), inside Jal Tank Farm proper, which includes the release point and flow path area are approximately 20 feet long and 20 feet wide and approximately 2 feet bgs. The final excavation dimensions of the 2nd and 3rd crude oil releases (13 and 27 July 2005), adjacent to Jal Tank Farm, which includes the release point and flow path area are approximately 115 feet long by 26 feet wide and ranges in depth from approximately 5 to 15 feet bgs. Approximately 1700 cubic yards of impacted soil has been stockpiled on-site commensurate with remediation activities conducted.

In August 2005, five (5) soil samples were collected from the floor and walls of the excavation adjacent to Jal Tank Farm, ranging in depth from approximately 6 to 15 feet bgs. Field screening with a PID indicated elevated concentrations of VOCs existed on the floor and walls of the excavation. Based on the field screening data, further horizontal and vertical delineation of the crude oil release site was warranted.

On 06, 07 and 08 September 2005, Basin installed eight (8) soil borings utilizing an air rotary drill rig operated by Straub Corporation, Stanton, Texas, to evaluate the vertical extent of crude oil impact adjacent to the release point and flow path area. Six (6) soil borings were installed adjacent to the Jal Tank Farm and two (2) were installed inside Jal Tank Farm. The eight (8) soil borings were installed at surface grade and ranged in depth from approximately 20 to 100 feet bgs. Subsurface soil samples were collected at five (5) feet intervals and field screened with a PID. No visual observations of free phase hydrocarbons (PSH) or groundwater were encountered during the installation of the soil borings. The selected samples were analyzed for constituent concentrations of benzene, toluene, ethylbenzene, xylenes (BTEX) and total petroleum hydrocarbons- gasoline range organics/diesel range organics (TPH-GRO/DRO). Laboratory data sheets and chain-of-custody forms are attached (Appendix B).

Soil Boring 1, as depicted on the Excavation Site Map & Soil Boring Locations (Figure 3), was installed adjacent to the 13 and 27 July 2005 (SRS # 2005-00172 & 2005-00183) release point at surface grade. The soil boring was installed to a subsurface depth of approximately 100 feet bgs. Soil samples collected at depths of approximately 5, 15, 25, 40, 50, 60, 70, 80, 90 and 100 feet were submitted for analysis. Laboratory results indicated that constituent concentrations of BTEX were reported below NMOCD regulatory standards for the 5, 15 and 25 feet soil samples and were not detected above laboratory method detection limits for the 40, 50, 60, 70, 80, 90 and 100 feet soil samples. Laboratory results indicated that constituent

concentrations of TPH-GRO/DRO were reported below NMOCD regulatory standards for the 50 and 60 feet soil samples and exceeded NMOCD regulatory standards for the 5, 15, 25, 40, 70, 80, 90 and 100 feet soil samples at 7560 mg/kg, 4760 mg/kg, 1320 mg/kg, 455 mg/kg, 279 mg/kg, 227 mg/kg, 227 mg/kg, 118 mg/kg and 576 mg/kg, respectively.

Soil Boring 2, was installed up gradient at surface grade adjacent to the flow path area. Soil samples were collected at five (5) feet intervals and field screened with a PID. The soil boring was installed to a subsurface depth of approximately 40 feet bgs. Soil samples collected at depths of approximately 5, 15, 25 and 40 feet bgs were submitted for analysis. Laboratory results indicated that constituent concentrations of BTEX were reported below NMOCD regulatory standards for the 15 feet soil sample and were not detected above laboratory method detection limits for the 5, 25 and 40 feet bgs soil samples. Laboratory results indicated that constituent concentrations of TPH-GRO/DRO were reported to exceed NMOCD regulatory standards for the 5 feet bgs soil sample at 143 mg/kg, and not detected above laboratory method detected above laboratory method detected above laboratory method detected above laboratory method standards for the 5 feet bgs soil sample at 143 mg/kg, and not detected above laboratory method detected above laboratory method detected above laboratory method standards for the 5 feet bgs soil sample at 143 mg/kg, and not detected above laboratory method detection limits for the 15, 25 and 40 feet soil samples.

Soil Boring 3, was installed up gradient at surface grade adjacent to the flow path area. Soil samples were collected at five (5) feet intervals and field screened with a PID. The soil boring was installed to a subsurface depth of approximately 60 feet bgs. Soil samples collected at depths of approximately 5, 15, 25, 40, 50 and 60 feet bgs were submitted for analysis. Laboratory results indicated that constituent concentrations of BTEX were reported below NMOCD regulatory standards for the 5, 15, 25, 40 and 50 feet soil samples and were not detected above laboratory method detection limits for the 60 feet bgs soil sample. Laboratory results indicated that constituent constituent concentrations of TPH-GRO/DRO were reported to exceed NMOCD regulatory standards for the 5, 15, 25 and 40 feet bgs soil samples at 3070 mg/kg, 4950 mg/kg, 2700 mg/kg and 327 mg/kg, respectively and were below NMOCD regulatory standards for the 50 and 60 feet soil samples.

Soil Boring 4, was installed up gradient at surface grade adjacent to the flow path area. Soil samples were collected at five (5) feet intervals and field screened with a PID. The soil boring was installed to a subsurface depth of approximately 25 feet bgs. Soil samples collected at depths of approximately 5, 15 and 25 feet bgs were submitted for analysis. Laboratory results indicated that constituent concentrations of BTEX and TPH-GRO/DRO were not detected above laboratory method detection limits for the three (3) soil samples.

Soil Boring 5, was installed up gradient at surface grade adjacent to the flow path area. Soil samples were collected at five (5) feet intervals and field screened with a PID. The soil boring was installed to a subsurface depth of approximately 25 feet bgs. Soil samples collected at depths of approximately 5, 15 and 25 feet bgs were submitted for analysis. Laboratory results indicated that constituent concentrations of BTEX and TPH-GRO/DRO were not detected above laboratory method detection limits for the three (3) soil samples.

Soil Boring 6, was installed up gradient at surface grade adjacent to the flow path area. Soil samples were collected at five (5) feet intervals and field screened with a PID. The soil boring was installed to a subsurface depth of approximately 80 feet bgs. Soil samples collected at depths of approximately 5, 15, 25, 40, 50, 60, 70 and 80 feet bgs were submitted for analysis. Laboratory results indicated that constituent concentrations of BTEX were reported below NMOCD regulatory standards for the 5, 15, 25 and 40 feet soil samples and were not detected above laboratory method detection limits for the 50, 60, 70 and 80 feet bgs soil samples. Laboratory results indicated that constituent concentrations of TPH-GRO/DRO were reported to exceed NMOCD regulatory standards for the 5, 15, 25, 40, 50, and 60 feet bgs soil samples at 8800 mg/kg, 8170 mg/kg, 9380 mg/kg, 899 mg/kg, 376 mg/kg and 441 mg/kg, respectively and were reported below NMOCD regulatory standards for the 70 and 80 feet soil samples.

Soil Boring 7, was installed at surface grade inside the Jal Tank Farm adjacent to the release point of the 27 June 2005 release. Soil samples were collected at five (5) feet intervals and field screened with a PID. The soil boring was installed to a subsurface depth of approximately 60 feet bgs. Soil samples collected at depths of approximately 5, 15, 25, 40, 50 and 60 feet bgs were submitted for analysis. Laboratory results indicated that constituent concentrations of BTEX were reported below NMOCD regulatory standards for the 5, 15 and 25 feet soil samples and were not detected above laboratory method detection limits for the 40, 50 and 60 feet bgs soil samples. Laboratory results indicated that constituent concentrations of TPH-GRO/DRO were reported to exceed NMOCD regulatory standards for the 5, 15, 25, 40, 50, and 60 feet bgs soil samples at 3480 mg/kg, 5520mg/kg, 3980 mg/kg, 251 mg/kg, 123 mg/kg and 106 mg/kg, respectively; however, the laboratory results for the 50 and 60 feet soil samples were just above the NMOCD standard and are within the laboratory margin of error limits permitted by NMOCD.

Soil Boring 8, was installed down gradient of the 27 June 2005 release, at surface grade inside the Jal Tank Farm and cross gradient to the release point of the 2nd and 3rd crude oil releases. Soil samples were collected at five (5) feet intervals and field screened with a PID. The soil boring was installed to a subsurface depth of approximately 40 feet bgs. Soil samples collected at depths of approximately 5, 15 25 and 40 feet bgs were submitted for analysis. Laboratory results indicated that constituent concentrations of BTEX and TPH-GRO/DRO were not detected above laboratory method detection limits for the four (4) soil samples.

RECOMMENDATIONS FOR REMEDIATION

Based on the visual observations of the numerous subsurface high volume pipelines entering and exiting that section of Jal Station, numerous high voltage control panels and subsurface high voltage power lines surrounding both release sites, Basin recommends from a safety aspect, that the two (2) areas be excavated to a depth of approximately 8 to 10 beet bgs, dependent on subsurface pipelines, above ground power panels and subsurface power lines. Additionally, the excavated area adjacent to Jal Tank Farm borders a large tank secondary containment berm, which will hinder the total depth of the excavation, due to the possibility of deteriorating the integrity of the large tank berm.

Approximately 1700 cubic yards of impacted soil and clean overburden have been excavated and stockpiled on-site resulting from the emergency responses and remediation activities. The proposed over excavation of the two (2) crude oil release areas will yield a total of approximately 2300 cubic yards of impacted and clean overburden stockpiled on site. Basin and Plains propose to blend the excavated impacted soils with the clean overburden. The blended soil will be divided into equal cell grids of approximately 500 cubic yards. Confirmation soil samples from the blended material will be collected to ensure TPH-GRO/DRO concentrations of less than 1000 mg/kg.

Due to the limited vertical crude oil impact derived from analytical results commensurate with excavation and drilling activities. Plains recommends than an impermeable barrier consisting of a 20-mil poly liner be permanently installed at the base of the excavations to inhibit vertical migration of contaminants in soil left in place below the liner (see Figure 5, Installation Diagram of 20-mil Poly Liner). The barrier will extend to a minimum of three (3) feet beyond the edges of soil impacted above NMOCD remedial thresholds. The three (3) feet barrier extension beyond impacted soil above NMOCD remedial thresholds to the west edge of the excavation (SRS # 2005-00172 & 2005-00183), may not be feasible as the secondary containment berm may prohibit excavation activities. If this situation occurs, the barrier will be installed adjacent to the secondary containment berm at approximately 8 to 10 feet bgs. A 6-inch layer of fine cushion sand will be installed beneath and above the 20-mil poly liner to prevent degrading the integrity of the poly liner. Installation of the 20-mil poly liner at a depth of approximately 8 to 10 feet bgs will protect the barrier from erosion and human intrusion for a term sufficient to allow natural attenuation of contaminates in the soil.

Once the installation of the 20-mil poly liner is completed, backfilling of the excavations will be initiated with the blended material which has met the 1000 mg/kg THP-GRO/DRO threshold. Once backfilling has been completed, the backfilled excavations will be contoured to the original grade surrounding the site.

Upon completion of backfilling the excavation, Basin on behalf of Plains, will submit a closure request for NMOCD approval. Basin on behalf of Plains, request approval from NMOCD, Hobbs District I, to implement these proposed final remediation and site closure activities based on the remediation activities conducted at the Tank 374 10" Sweet Truck Haul Line crude oil release sites.

QA/QC PROCEDURES

Soil Sampling

Soil samples were delivered to Trace Analysis, Inc., in Midland, Texas for BTEX, TPH-GRO/DRO analyses using the methods described below. Soil samples were analyzed for BTEX, TPH-GRO/DRO within fourteen days following the collection date.

The soil samples were analyzed as follows:

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

Decontamination Of Equipment

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

Laboratory Protocol

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

LIMITATIONS

Basin Environmental Service Technologies, LLC, has prepared this Preliminary Investigation Report and Remediation/Closure Plan 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 Plains Marketing, L.P.

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DISTRIBUTION

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TABLE 1

SOIL CHEMISTRY RESULTS

PLAINS MARKETING, L.P. TANK 374 10" SWEET TRUCK HAUL LINE LEA COUNTY, NEW MEXICO SRS: 2005-00172

SAMPLE	SAMPLE	SAMPLE		METHOD: E	PA SW 846-	8021B, 5030)	METHOD:	8015M	TOTAL	CHLORIDES
LOCATION	DEPTH	DATE	BENZENE	TOLUENE	ETHYL-	M,P-	O-XYLENE	GRO	DRO	TPH	
	(Below				BENZENE	XYLENES					
	normal										
	surface										
	grade)										
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SB-1 5'	5' bgs	09/06/05	<0.025	0.096	0.087	1.47	0.806	1450	6110	7,560	
SB-1_15'	15' bgs	09/06/05	<0.025	<0.025	<0.025	0.179	0.048	710	4050	4760	
SB-1 25'	25' bgs	09/06/05	<0.025	<0.025	<0.025	0.028	<0.025	144	1180	1,320	<20
SB-1 40'	40' bgs	09/06/05	<0.025	<0.025	<0.025	<0.025	<0.025	14.4	441	455	
SB-1 50'	50' bgs	09/06/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	47	47	
SB-1 60'	60' bgs	09/06/05	<0.025	<0.025	<0.025	<0.025	<0.025	11.4	83.8	95.2	
SB-1 70'	70' bgs	09/06/05	<0.025	<0.025	<0.025	<0.025	<0.025	16.1	263	279	
SB-1 80'	80' bgs	09/06/05	< 0.025	<0.025	<0.025	<0.025	<0.025	<10.0	227	227	
SB-1 90'	90' bgs	09/06/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	118	118	
SB-1 100'	100' bgs	09/06/05	<0.025	<0.025	<0.025	<0.025	<0.025	24.5	551	576	
	State 4			10月1日二月			The states of the		an in the		
SB-2 5'	5' bgs	09/06/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	143	143	
SB-2 15'	15' bgs	09/06/05	< 0.025	<0.025	<0.025	0.027	<0.025	<10.0	<10.0	<10.0	
SB-2 25'	25' bgs	09/06/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-2 40'	40' bgs	09/06/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
				いたかなかでい							
SB-3 5'	5' bgs	09/07/05	<0.025	<0.025	0.0298	0.059	0.029	546	2520	3070	
SB-3 15'	15' bgs	09/07/05	<0.025	<0.025	0.031	0.204	0.046	798	4150	4950	
SB-3 25'	25' bgs	09/07/05	0.028	0.176	0.050	0.254	0.096	737	1960	2700	
SB-3 40'	40' bgs	09/07/05	<0.025	0.025	<0.025	0.030	<0.025	32.4	295	327	

TABLE 1 (cont)

SOIL CHEMISTRY RESULTS

PLAINS MARKETING, L.P. TANK 374 10" SWEET TRUCK HAUL LINE LEA COUNTY, NEW MEXICO SRS: 2005-00172

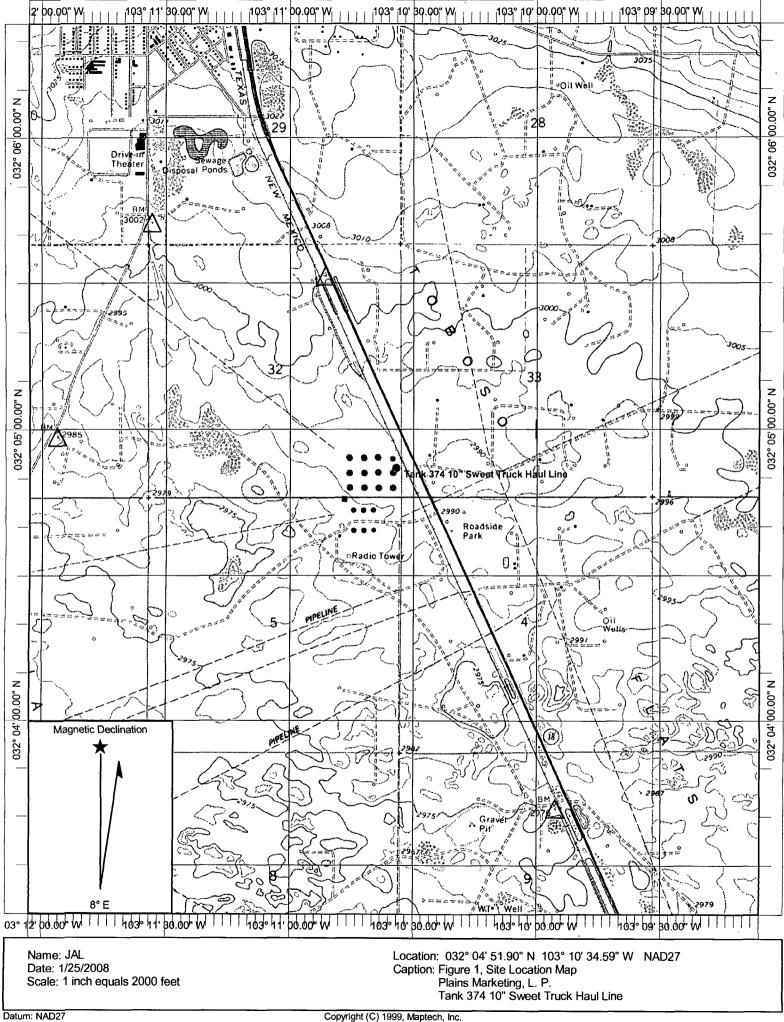
SAMPLE	SAMPLE	SAMPLE		METHOD: E	PA SW 846-	8021B, 5030)	METHOD: 8015M		TOTAL	CHLORIDES
LOCATION	DEPTH	DATE	BENZENE	TOLUENE	ETHYL-	M,P-	O-XYLENE	GRO	DRO	ТРН	
	(Below				BENZENE	XYLENES					
	normal										
	surface										
	grade)										
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SB-3 50'	50' bgs	09/07/05	<0.025	<0.025	<0.025	0.260	<0.025	<10.0	34.7	34.7	
SB-3 60'	60' bgs	09/07/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	25.6	25.6	
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SB-4 5'	5' bgs	09/07/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-4 15'	15' bgs	09/07/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-4 25'	25' bgs	09/07/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
	and Contract of Strang	1.1 1.1 1.1 1.5							13.64.4		and the second s
SB-5 5'	5' bgs	09/07/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-5 15'	15' bgs	09/07/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-5 25'	25' bgs	09/07/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
		and the second			and the second sec			And in the second			
SB-6 5'	5' bgs	09/07/05	0.593	1.26	1.16	4.82	2.63	2200	6600	8800	
SB-6 15'	15' bgs	09/07/05	<0.025	0.683	1.16	6.04	2.35	1900	6270	8170	
SB-6 25'	25' bgs	09/07/05	0.212	1.72	1.85	14.5	5.50	2510	6870	9380	
SB-6 40'	40' bgs	09/07/05	<0.025	0.026	0.028	0.236	0.064	97.7	801	899	
SB-6 50'	50' bgs	09/07/05	<0.025	<0.025	<0.025	0.033	<0.025	34	342	376	
SB-6 60'	60' bgs	09/07/05	<0.025	<0.025	<0.025	<0.025	<0.025	29.6	411	441	
SB-6 70'	70' bgs	09/07/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	25.4	25.4	
SB-6 80'	80' bgs	09/07/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	26	26	

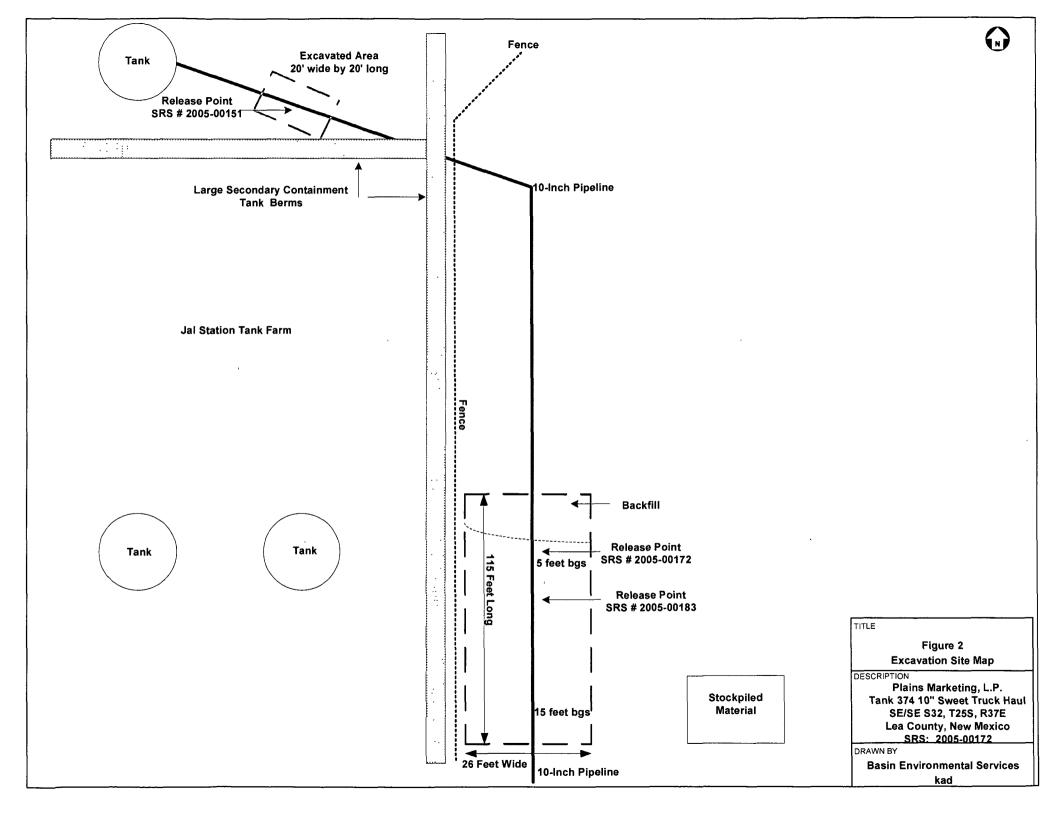
TABLE 1 (cont)

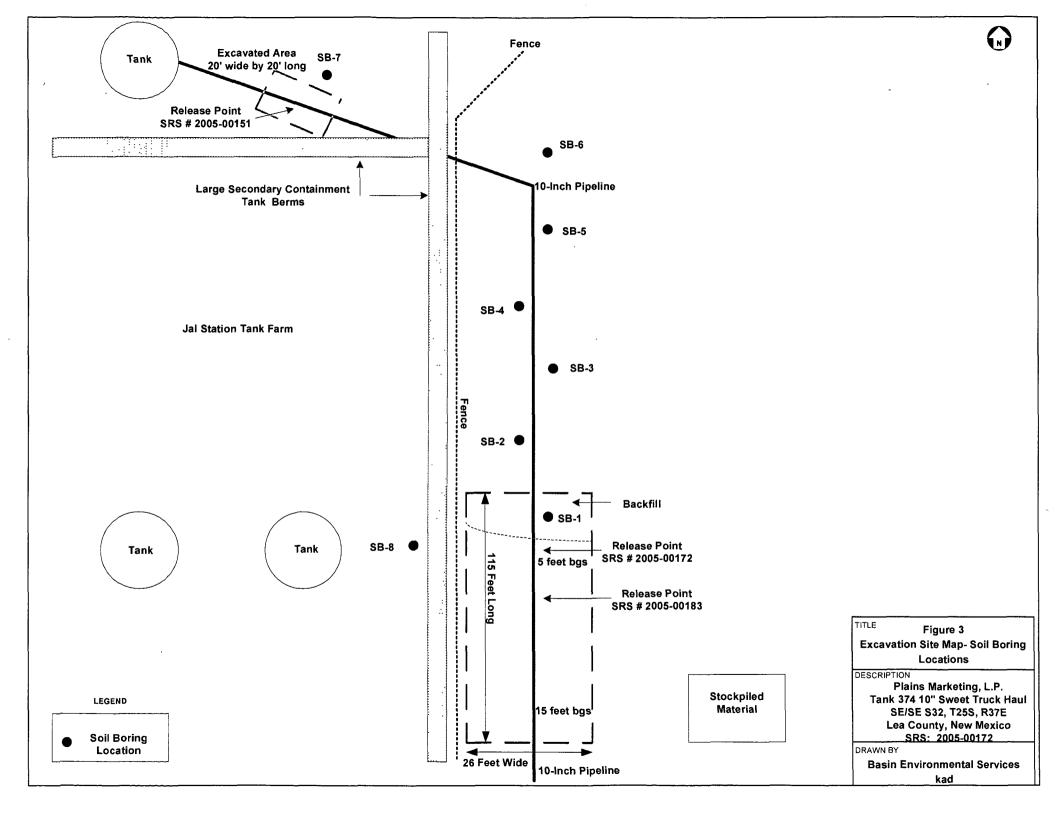
SOIL CHEMISTRY RESULTS

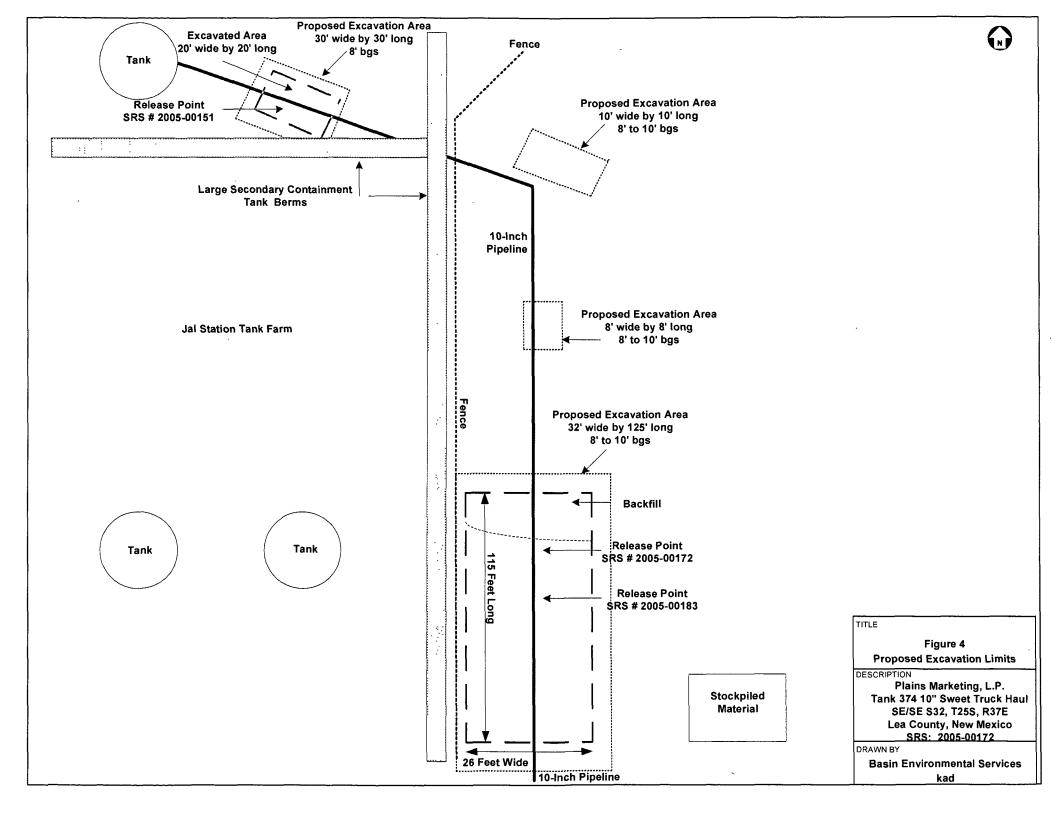
PLAINS MARKETING, L.P. TANK 374 10" SWEET TRUCK HAUL LINE LEA COUNTY, NEW MEXICO SRS: 2005-00172

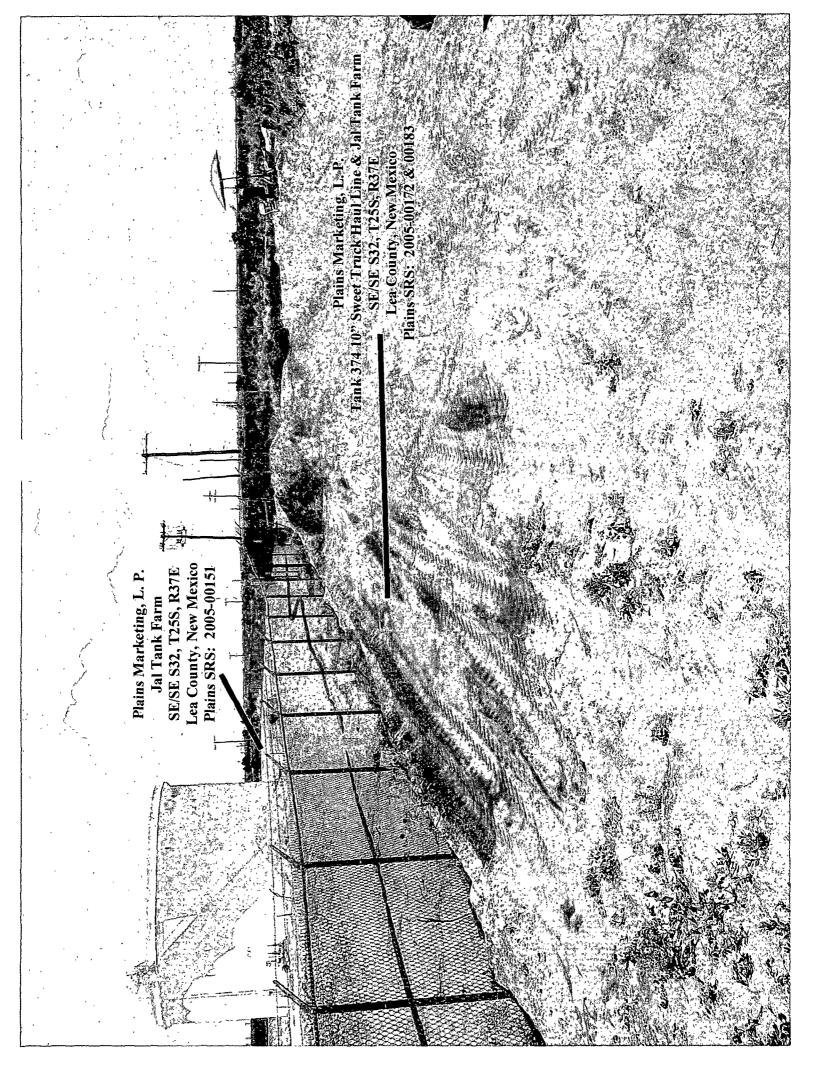
SAMPLE	SAMPLE	SAMPLE		METHOD: E	PA SW 846-	8021B, 5030	0	METHOD:	8015M	TOTAL	CHLORIDES
LOCATION	DEPTH (Below normal	DATE	BENZENE	TOLUENE	ETHYL- BENZENE	M,P- XYLENES	O-XYLENE	GRO	DRO	ТРН	
	surface grade)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
SB-7 5'	5' bgs	09/08/05	<0.025	0.076	0.065	0.561	0.202	925	2550	3480	
SB-7 15'	15' bgs	09/08/05	0.042	0.246	0.206	2.19	0.879	1390	4130	5520	
SB-7 25'	25' bgs	09/08/05	<0.025	0.127	0.107	0.793	0.306	781	3200	3980	
SB-7 40'	40' bgs	09/08/05	<0.025	<0.025	<0.025	<0.025	<0.025	12.6	238	251	
SB-7 50'	50' bgs	09/08/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	123	123	
SB-7 60'	60' bgs	09/08/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	106	106	
		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			the second s				BERT	a starting to	The states
SB-8 5'	5' bgs	09/08/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-8 15'	15' bgs	09/08/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-8 25'	25' bgs	09/08/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
SB-8 40'	40' bgs	09/08/05	<0.025	<0.025	<0.025	<0.025	<0.025	<10.0	<10.0	<10.0	
				and the second	* 11:00 A						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
NMOCD CRITERIA			10		TOTAL	BTEX 50				100	
			·								

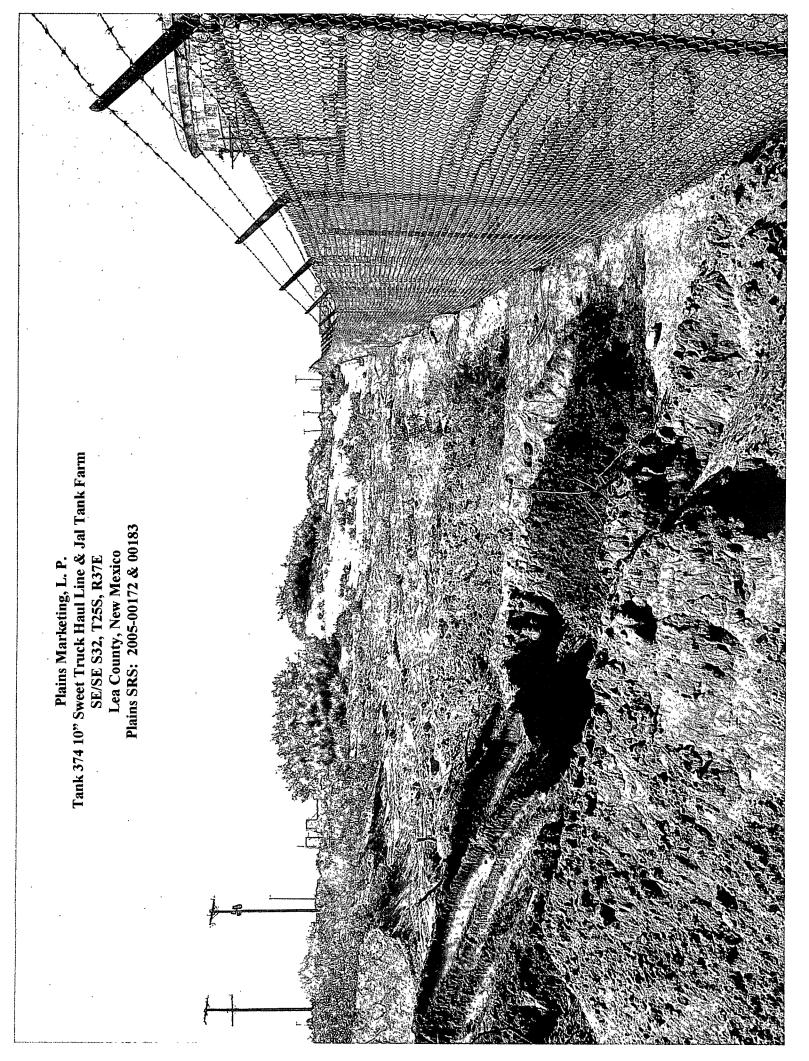




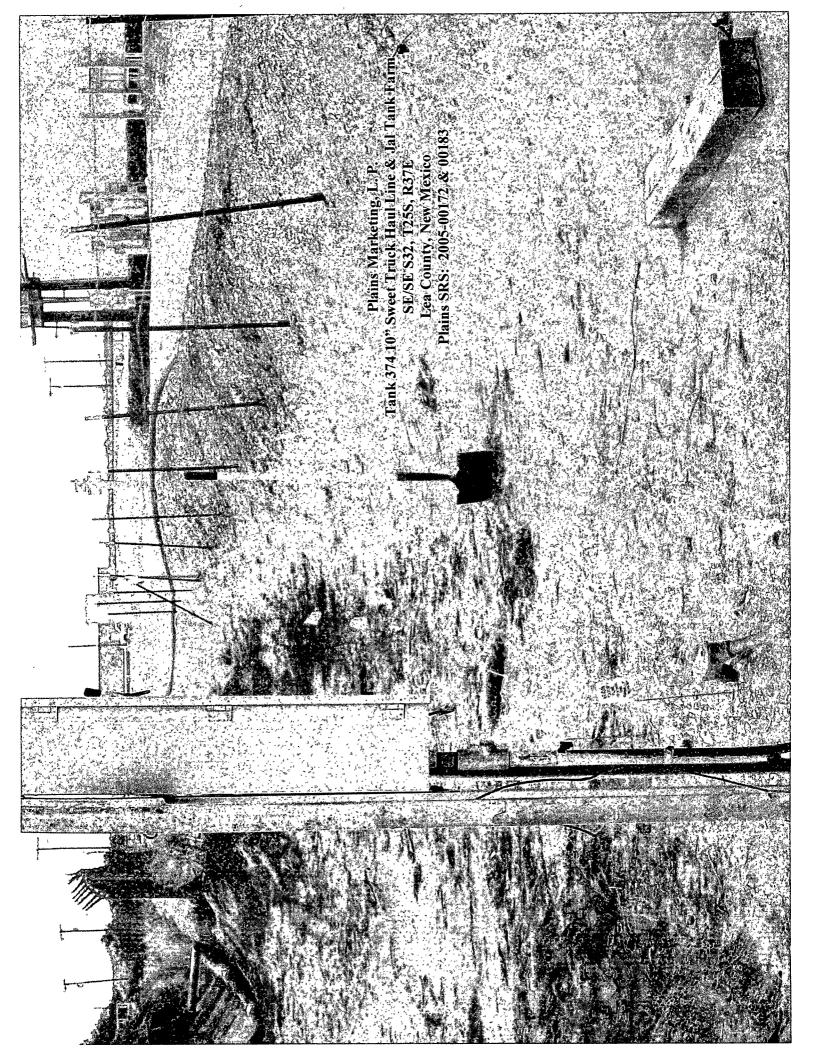


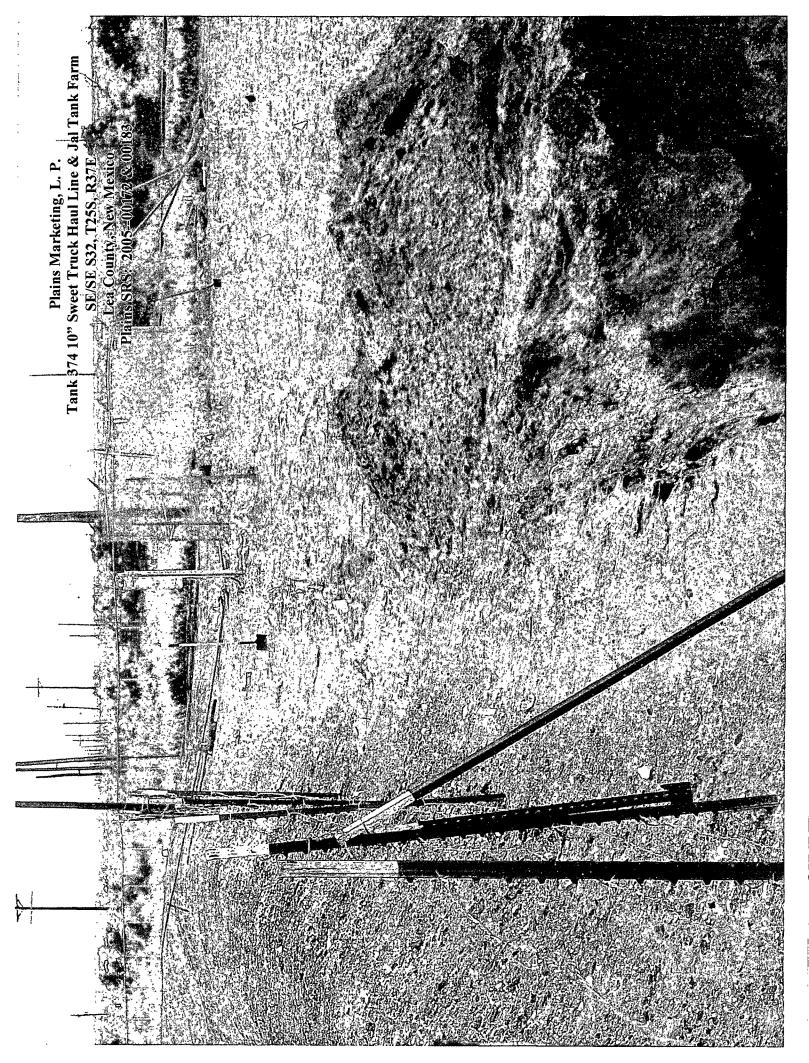


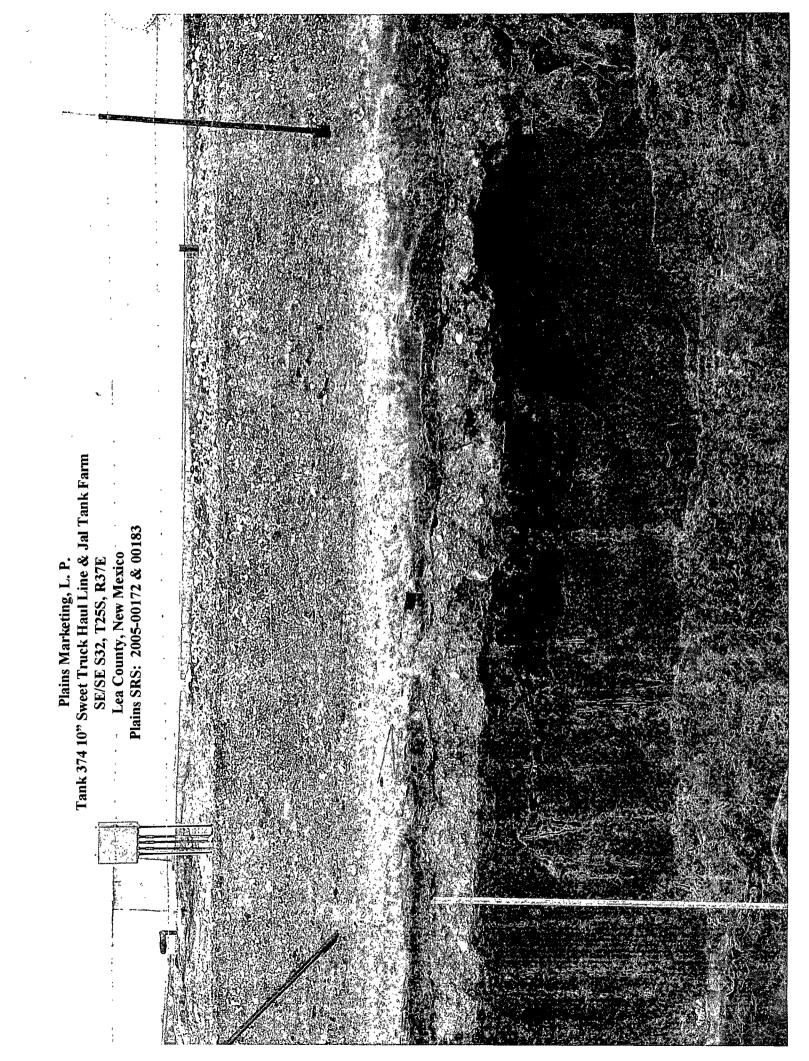


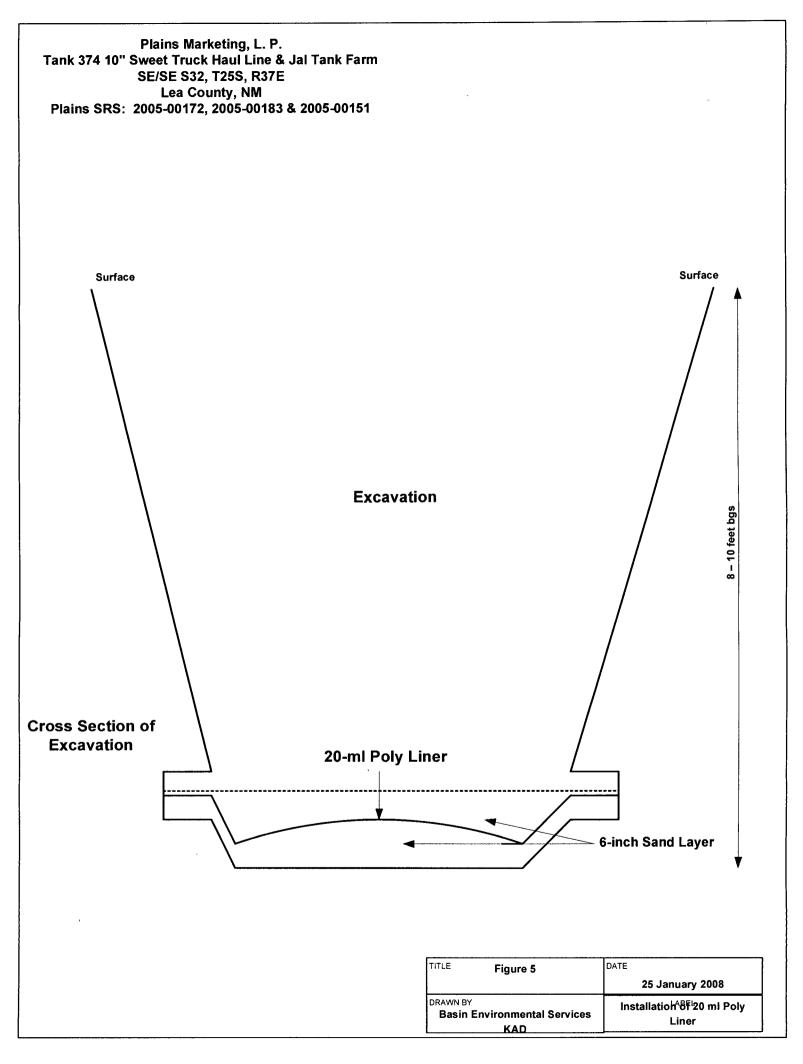












	exico Office of the State Engineer OD Reports and Downloads
Township: 25S Range:	37E Sections: 32,33
NAD27 X: Y:	Zone: Search Radius:
County: Basin:	Number: Suffix:
Owner Name: (First)	(Last) ONOn-Domestic ODomestic @ All
POD / Surface Data Report	Avg Depth to Water Report Water Column Report
Clear F	Form iWATERS Menu Help

WATER COLUMN REPORT 11/12/2007

	(quarter	s are 1=	-NW 2=NE	3=SW 4=SE)						
	(quarter	s are bi	iggest to	smallest)		De	epth	Depth	Water	(1n feet)
POD Number	Tws	Rng Sec	े वे वे वे	Zone	x	Y We	əll	Water	Column	
<u>CP 00901</u>	255	37E 32	434				96			
CP 00905	255	37E 32	434			1	L00			•
CP 00900	255	37E 32	434			1	101			
CP 00902	255	37E 32	434				95			
CP 00904	255	37E 32	434				97			
CP 00903	255	37E 32	434				95			
CP 00906	255	37E 32	434			1	L02			

Record Count: 7



Analytical Report

Prepared for:

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

Project: Tank 374 10" Sweet Truck Haul Line Project Number: EMS: 2005-00172 Location: Lea County, NM

Lab Order Number: 5112001

Report Date: 09/15/05

Midland TX, 79706-4476	Project Manager Daniel Bryan	nt		09/15/05 12 19
	ANALYTICAL REPORT FOR SAM	IPLES		
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Receive
SB-1 5'	5112001-01	Soil	09/06/05 10 34	09/09/05 16
SB-1 15'	5112001-02	Soil	09/06/05 10 40	09/09/05 16
SB-1 25'	5112001-03	Soil	09/06/05 10.47	09/09/05 16
SB-1 40'	5112001-04	Soil	09/06/05 10 57	09/09/05 16
SB-1 50'	5112001-05	Soil	09/06/05 11 02	09/09/05 16
SB-1 60'	5112001-06	Soil	09/06/05 11 06	09/09/05 16
SB-1 70'	5112001-07	Soil	09/06/05 11 25	09/09/05 16
SB-1 80'	5112001-08	Soil	09/06/05 11.58	09/09/05 16
SB-1 90'	5112001-09	Soil	09/06/05 12.28	09/09/05 16
SB-1 100'	5112001-10	Soil	09/06/05 12.50	09/09/05 10
SB-2 5'	5112001-11	Soil	09/06/05 15.00	09/09/05 1
SB-2 15'	5112001-12	Soil	09/06/05 15 09	09/09/05 1
SB-2 25'	5112001-13	Soil	09/06/05 15 13	09/09/05 1
GB-2 40'	5112001-14	Soil	09/06/05 15 22	09/09/05 1
SB-3 5'	5112001-15	Soil	09/07/05 09 18	09/09/05 1
SB-3 15'	5112001-16	Soil	09/07/05 09 25	09/09/05 1
SB-3 25'	5112001-17	Soil	09/07/05 09 31	09/09/05 1
SB-3 40'	5112001-18	Soil	09/07/05 09.41	09/09/05 1
GB-3 50'	5112001-19	Soil	09/07/05 10 01	09/09/05 1
B-3 60'	5112001-20	Soil	09/07/05 10 06	09/09/05 1
·B-4 5'	5112001-21	Soil	09/07/05 11 12	09/09/05 1
B-4 15'	5112001-22	Soil	09/07/05 11.19	09/09/05 1
'B-4 25'	5112001-23	Soil	09/07/05 11 27	09/09/05 1
B-5 5'	5112001-24	Soil	09/07/05 13 36	09/09/05 1
B-5 15'	5112001-25	Soil	09/07/05 13 45	09/09/05 1
B-5 25'	5112001-26	Soil	09/07/05 13 53	09/09/05 1
B-6 5'	5112001-27	Soil	09/07/05 15 28	09/09/05 1
B-6 15'	5112001-28	Soil	09/07/05 15 39	09/09/05 1
B-6 25'	5112001-29	Soil	09/07/05 15 46	09/09/05 1
B-6 40'	5112001-30	Soil	09/07/05 15.55	09/09/05 10
'B-6 50'	5112001-31	Soil	09/07/05 16 01	09/09/05 16
B-6 60'	5112001-32	Soil	09/07/05 16.09	09/09/05 16
B-6 70'	5112001-33	Soil	09/07/05 16 14	09/09/05 16
B-6 80'	5112001-34	Soil	09/07/05 16.26	09/09/05 16

Project Tank 374 10" Sweet Truck Haul Line

Project Number EMS 2005-00172

Plains All American EH & S 1301 S County Road 1150 Fax (432) 687-4914

Reported:

Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax (432) 687-4914
1301 S County Road 1150	Project Number	EMS ⁻ 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager	Daniel Bryant	09/15/05 12 19

Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax. (432) 687-4914
1301 S County Road 1150	Project Number	EMS 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager	Daniel Bryant	09/15/05 12 19

Organics by GC

Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 5' (5112001-01) Soil									
Benzene	J [0.00822]	0 0250	mg/kg dry	25	EI51212	09/12/05	09/13/05	EPA 8021B	ì
Toluene	0.0963	0 0250	м			n	н	"	
Ethylbenzene	0.0876	0 0250	н	"	"	n	н		
Xylene (p/m)	1.47	0 0250		"		n	"	"	
Xylene (0)	0.806	0 0250	*	"	"	н	"	"	
Surrogate: a,a,a-Trifluorotoluene		969%	80-	120	"	"	"	11	
Surrogate: 4-Bromofluorobenzene		91.3 %	80	120	"	"	"	"	
Gasoline Range Organics C6-C12	1450	50 0	mg/kg dry	5	EI51215	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	6110	50 0	"	"	*	"	"	"	
Total Hydrocarbon C6-C35	7560	50 0	"	н	"	19	"	"	
Surrogate: 1-Chlorooctane		19.9 %	70-	130	"	"	"	"	S-06
Surrogate: 1-Chlorooctadecane		23.2 %	70-	130	"	"	"	n	S-06
SB-1 15' (5112001-02) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51212	09/12/05	09/13/05	EPA 8021B	
Toluene	J [0.0118]	0 0250	"			"	н	"	J
Ethylbenzene	J [0.0187]	0.0250	"	**	0			"	Ŀ
Xylene (p/m)	0.179	0 0250	"	"	"		π		
Xylene (0)	0.0484	0 0250	"	"	н	"	n	11	
Surrogate a,a,a-Trifluorotoluene		88.7 %	80	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.3 %	80-1	120	"	"	"	"	
Gasoline Range Organics C6-C12	710	10 0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	4050	10 0	н		"	n	"	"	
Total Hydrocarbon C6-C35	4760	10 0	n	n	"	n	*	n	
Surrogate: 1-Chlorooctane		107 %	70-1	130	"	"	"	"	
Surrogate [•] 1-Chlorooctadecane		121 %	70-1	130	"	"	"	"	
SB-1 25' (5112001-03) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51212	09/12/05	09/12/05	EPA 8021B	
Toluene	ND	0 0250	17	"	*	"	*	"	
Ethylbenzene	ND	0 0250	"		н	"	**	и	
Xylene (p/m)	0.0283	0 0250	"	"	"	**	н	u	
Xylene (o)	ND	0 0250	"	н	"	"	"	n	
Surrogate: a,a,a-Trifluorotoluene		94.7 %	80-1	20	"	"	"	n	
Surrogate 4-Bromofluorobenzene		90.9 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	144	10 0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	1180	10 0	"	"	"	*	"	"	
Total Hydrocarbon C6-C35	1320	10 0		n	"	H	n	н	
Environmental Lab of Texas			The res	sults in this re	eport apply to	the samples an	alvzed in accordi	ance with the samples	

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,

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Plains All American EH & S			Project Tar	nk 374 10" :		Fax (432) 687-4914			
1301 S County Road 1150 Midland TX, 79706-4476	Project N Project M		IS 2005-0 niel Bryant				Repor 09/15/05		
		O	rganics b	y GC					
		Environ	mental L	ab of Te	exas				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 25' (5112001-03) Soil									
Surrogate: 1-Chlorooctane		99.8 %	70-1	130	E151215	09/12/05	09/13/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		123 %	70-1	130	"	"	"	n	
SB-1 40' (5112001-04) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51212	09/12/05	09/12/05	EPA 8021B	
Toluene	ND	0 0250		"	n	"	17	"	
Ethylbenzene	ND	0 0250	17	"		"	"	"	
Xylene (p/m)	ND	0 0250	"	v	н	n		"	
Xylene (o)	ND	0 0250		"	"	н	W	"	
Surrogate a,a.a-Trifluorotoluene		89.0 %	80-1	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82 7 %	80-1	120	n	"	n	"	
Gasoline Range Organics C6-C12	14.4	10 0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	441	10.0	"		н	a	**	n	
Total Hydrocarbon C6-C35	455	10 0	"	"	н	"	0	n	
Surrogate. 1-Chlorooctane		90.8 %	70-1	130	n	n	"	"	
Surrogate: 1-Chlorooctadecane		121 %	70-1	130	"	"	"	"	
SB-1 50' (5112001-05) Soil									
Benzene	ND	0 0250	mg/kg dry	25	E151212	09/12/05	09/12/05	EPA 8021B	
Toluene	ND	0 0250	"	"		"	v	u	
Ethylbenzene	ND	0 0250	"	"		"	"	0	
Xylene (p/m)	ND	0 0250	"	**		"	n	"	
Xylene (o)	ND	0 0250	*	"	"	n	"	"	
Surrogate a,a,a-Trifluorotoluene		94.2 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.4 %	80-1	20	"	n	"	"	
Gasoline Range Organics C6-C12	J [8.49]	10.0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M	J
Diesel Range Organics >C12-C35	47.0	10 0	*			*	"	н	
Total Hydrocarbon C6-C35	47.0	10 0	"	н	"	н	"	н	
Surrogate: 1-Chlorooctane		110 %	70-1	30	"	n	"	"	
Surrogate: 1-Chlorooctadecane		130 %	70-1	30	"	"	"	"	

Environmental Lab of Texas

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Plains All American EH & S	Project Tank 374 10" Sweet Truck Haul Line	Fax (432) 687-4914
1301 S County Road 1150	Project Number EMS 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager Daniel Bryant	09/15/05 12 19

Organics by GC

Environmental Lab of Texas

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		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 60' (5112001-06) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51212	09/12/05	09/12/05	EPA 8021B	
Toluene	ND	0 0250	"	"	11		1 1	"	
Ethylbenzene	ND	0 0250	"	"	"			"	
Xylene (p/m)	ND	0 0250	"		"		н	"	
Xylene (o)	ND	0 0250	"			N	n	"	
Surrogate. a.a.a-Trifluorotoluene		87.3 %	80-	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.7%	80-1	120	"	"	"	"	ι.
Gasoline Range Organics C6-C12	11.4	10 0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	83.8	10 0	"	"	н		"	*	
Total Hydrocarbon C6-C35	95.2	10.0	"	**		"	"		
Surrogate: 1-Chlorooctane		84.6 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		112 %	70-1	130	"	"	"	"	
SB-1 70' (5112001-07) Soil									
Benzene	ND	0 0250	mg/kg dry	25	E151212	09/12/05	09/12/05	EPA 8021B	J
Toluene	ND	0 0250	"	11	н	"	•	"	
Ethylbenzene	ND	0 0250	"	"	м	"	*		
Xylene (p/m)	ND	0 0250	и	11	11	n			
Xylene (o)	ND	0 0250	"		"	"	н	"	
Surrogate · a,a,a-Trifluorotoluene		92.4 %	80-1	120	"	"	"	"	
Surrogate 4-Bromofluorobenzene		86.0 %	80-1	120	"	n	"	"	
Gasoline Range Organics C6-C12	16.1	10 0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	263	10 0			н	"		U.	
Total Hydrocarbon C6-C35	279	10 0	"		**	п	н		
Surrogate: 1-Chlorooctane		94.0 %	70-1	130	"	"	"	"	
Surrogate [.] 1-Chlorooctadecane		121 %	70-1	30	"	"	"	"	
SB-1 80' (5112001-08) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI51212	09/12/05	09/12/05	EPA 8021B	
Toluene	ND	0 0250	"		"		"	11	
Ethylbenzene	ND	0 0250	"		н	"	"	н	
Xylene (p/m)	ND	0 0250	•		"		"	"	
Xylene (o)	ND	0 0250	"	"	"	**	"	*	
Surrogate. a,a,a-Trifluorotoluene		95.7 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.0%	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	J [9.72]	10 0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M	J
Diesel Range Organics >C12-C35	227	10 0		"	"		"	"	
Total Hydrocarbon C6-C35	227	10.0	"	8	11		n	**	
Environmental Lab of Texas									

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Page 5 of 29

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Plains All American EH & S 1301 S County Road 1150 Midland TX, 79706-4476		Project Tank 374 10" Sweet Truck Haul Line Project Number EMS 2005-00172 Project Manager Daniel Bryant						Fax (432)687-4914 Reported: 09/15/051219		
		0	rganics t	oy GC					· · · · · · · · · ·	
		Environ	-	-	exas					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes	
SB-1 80' (5112001-08) Soil										
Surrogate: 1-Chlorooctane		92.0 %	70-	130	EI51215	09/12/05	09/13/05	EPA 8015M		
Surrogate · 1-Chlorooctadecane		123 %	70-	130	"	"	"	"		
SB-1 90' (5112001-09) Soil										
Benzene	ND	0.0250	mg/kg dry	25	EI51212	09/12/05	09/12/05	EPA 8021B		
Toluene	ND	0 0250	11	n	"	n	н	"		
Ethylbenzene	ND	0 0250	19	۳	"	"	н	"		
Xylene (p/m)	ND	0 0250		۳	"		•			
Xylene (o)	ND	0 0250		"	"	"				
Surrogate: a,a,a-Trifluorotoluene		81.0 %	80-	120	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		854%	80-	120	"	"	"	"		
Gasoline Range Organics C6-C12	J [9.46]	10.0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M		
Diesel Range Organics >C12-C35	118	10.0	н	"	"	"		"		
Total Hydrocarbon C6-C35	118	10 0			"	и	"	"		
Surrogate: 1-Chlorooctane		88.2 %	70-	130	"	"	"	"		
Surrogate. 1-Chlorooctadecane		120 %	70-	130	"	"	"	"		
SB-1 100' (5I12001-10) Soil										
Benzene	ND	0 0250	mg/kg dry	25	EI51212	09/12/05	09/12/05	EPA 8021B		
Toluene	ND	0.0250	н		"	"	"	"		
Ethylbenzene	ND	0 0250	"	"	*	"	"	"		
Xylene (p/m)	ND	0 0250	**	"	"	н	*	**		
Xylene (o)	ND	0 0250	"	n		"	"	**		
Surrogate. a,a,a-Trifluorotoluene		86 2 %	80-	120	"	"	"	"		
Surrogate: 4-Bromofluorobenzene		94.5 %	80-	120	**	"	"	"		
Gasoline Range Organics C6-C12	24.5	10 0	mg/kg dry	1	E151215	09/12/05	09/13/05	EPA 8015M		
Diesel Range Organics >C12-C35	551	10 0	"	u	**	"	"	n		
Total Hydrocarbon C6-C35	576	10 0	11		ə	"	u	11		
Surrogate 1-Chlorooctane	-	96.2 %	70-	130	"	"	"	"		
Surrogate. 1-Chlorooctadecane		129 %	70-	130	"	"	"	"		

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Plains All American EH & SProject.Tank 374 10" Sweet Truck Haul Line1301 S County Road 1150Project NumberEMS 2005-00172Midland TX, 79706-4476Project ManagerDaniel Bryant									Fax. (432) 687-4914 Reported: 09/15/05 12 19		
		 	rganics by	v GC							
			mental L		xas			ι			
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note		
SB-2 5' (5112001-11) Soil						-					
1	ND	0.0250	mg/kg dry	25	EI51212	09/12/05	09/13/05	EPA 8021B			
Benzene Toluene	ND	0 0250	" "	25	"	112/05	"	"			
Ethylbenzene	ND	0 0250	**					и			
Xylene (p/m)	ND	0 0250	••	,		"		"			
		0 0250						"			
Xylene (o)	ND			•••							
Surrogate a,a,a-Trifluorotoluene		88.0 %	80-1		"	"	"	"			
Surrogate: 4-Bromofluorobenzene		82.8 %	80-1	20	"	11	"	"			
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M			
Diesel Range Organics >C12-C35	143	10 0	0	н	n	n		"			
Total Hydrocarbon C6-C35	143	10 0		"	"	n	и	"			
Surrogate: 1-Chlorooctane		90.0 %	70-1	30	"	"	"	"			
Surrogate: 1-Chlorooctadecane		111 %	70-1	30	"	"	"	"			
SB-2 15' (5112001-12) Soil											
Benzene	ND	0 0250	mg/kg dry	25	EI51212	09/12/05	09/12/05	EPA 8021B			
Toluene	ND	0 0250	*	"	"	"		м			
Ethylbenzene	ND	0 0250	н	"	"	"	*	"			
Xylene (p/m)	ND	0 0250	n	"	"	"	"	"			
Xylene (0)	ND	0 0250		"	"	"	w				
Surrogate: a,a,a-Trifluorotoluene		111 %	80-1	20	11	"	"	n			
Surrogate. 4-Bromofluorobenzene		104 %	80-1	20	"	"	"	"			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	E151215	09/12/05	09/13/05	EPA 8015M			
Diesel Range Organics >C12-C35	ND	10 0		"	"			м			
Total Hydrocarbon C6-C35	ND	10 0	"	"		"	"	"			
Surrogate: 1-Chlorooctane		80.8 %	70-1	30	"	"	"	"			
Surrogate: 1-Chlorooctadecane		106 %	70-1	30	"	"	"	"			
5B-2-25' (5112001-13) Soil											
Benzene	ND	0 0250	mg/kg dry	25	EI51403	09/13/05	09/13/05	EPA 8021B			
Foluene	ND	0.0250	"			"	"	"			
Ethylbenzene	ND	0 0250	"		"	0	"	n			
Xylene (p/m)	ND	0 0250			"	"		"			
Kylene (o)	ND	0 0250	"		"		п	н			
Surrogate: a,a,a-Trifluorotoluene		93.8 %	80-1.	20	"	"	"	"			
Surrogate 4-Bromofluorobenzene		96.5 %	80-1		"	"	"	"			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry		EI51215	09/12/05	09/13/05	EPA 8015M			
Diesel Range Organics >C12-C35	ND	10 0	"		"	"	"	"			
Total Hydrocarbon C6-C35	ND	10 0	"			"	"	n			
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12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S 1301 S. County Road 1150		Project N	Project Tai lumber EM	Fax (432)687-4914 Reported: 09/15/05 12 19					
Midland TX, 79706-4476	,	Project M							
		O	rganics b	y GC			· · · ·	<u>`````````````````````````````````````</u>	
		Environ	mental L	ab of Te	exas				
		Reporting							
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 25' (5112001-13) Soil						<u></u>			
Surrogate: 1-Chlorooctane		85.4 %	70-	130	E151215	09/12/05	09/13/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		108 %	70	130	' "	"	"	u	
SB-2 40' (5112001-14) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51403	09/13/05	09/13/05	EPA 8021B	
Toluene	ND	0 0250	n	"				"	
Ethylbenzene	ND	0 0250	"		"			"	
Xylene (p/m)	ND	0 0250		"		e e	"	"	
Xylene (o)	ND	0 0250	"	**	"		"	"	
Surrogate: a,a,a-Trifluorotoluene		98.1 %	80-	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		965%	80-1	20	"	п	"	"	
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10 0	"	"		"		"	
Total Hydrocarbon C6-C35	ND	10 0	"	"	"		н	n	
Surrogate: 1-Chlorooctane		88.4 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		97.4 %	70-1	30	"	"	"	"	
SB-3 5' (5112001-15) Soil									
Benzene	ND [/]	0 0250	mg/kg dry	25	EI51403	09/13/05	09/13/05	EPA 8021B	
Toluene	J [0.0131]	0 0250	"	"	"	**	"	"	1
Ethylbenzene	0.0298	0 0250		"	"		"	"	
Xylene (p/m)	0.0591	0 0250	н	0	"	"		"	
Xylene (0)	0.0290	0 0250	н	0	н		н	"	
Surrogate: a,a,a-Trifluorotoluene		91.3 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	80-1	20	"	"	"	n	
Gasoline Range Organics C6-C12	546	10 0	mg/kg dry	t	EI51215	09/12/05	09/13/05	EPA 8015M	•
Diesel Range Organics >C12-C35	2520	10 0	10	"	"	"	n	"	
Total Hydrocarbon C6-C35	3070	10 0	*	"	"	"	*	"	
Surrogate: 1-Chlorooctane		101 %	70-1	30	"	"	"	"	-
Surrogate: 1-Chlorooctadecane		116%	70-1	30	"	n	"	"	

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Р	lains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax (432)687-4914
1	301 S County Road 1150	Project Number	EMS 2005-00172	Reported:
Ν	11dland TX, 79706-4476	Project Manager	Daniel Bryant	09/15/05 12 19

Organics by GC

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
SB-3 15' (5112001-16) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51403	09/13/05	09/13/05	EPA 8021B	
Toluene	J [0.0218]	0 0250	"	"	"	47	"	"	
Ethylbenzene	0.0317	0.0250	"	"	•	н	u	H	
Xylene (p/m)	0.204	0 0250			u		*	и	
Xylene (0)	0.0469	0 0250	н		"	"	"	н	
Surrogate: a,a,a-Trıfluorotoluene		87.3 %	80-1	20	"	"	"	"	
Surrogate. 4-Bromofluorobenzene		84.5 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	798	10 0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	4150	10 0	"	"		п	•	n	
Total Hydrocarbon C6-C35	4950	10 0	"		"	"	11	n	
Surrogate: 1-Chlorooctane		114 %	· 70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		120 %	70-1	30	"	"	"	"	
SB-3 25' (5112001-17) Soil									
Benzene	0.0283	0 0250	mg/kg dry	25	E151403	09/13/05	09/13/05	EPA 8021B	
Foluene	0.176	0 0250	"			17	н	H	
Ethylbenzene	0.0508	0.0250	"	"		v	n	n	
Xylene (p/m)	0.254	0 0250	"	"		"	*		
Xylene (0)	0.0961	0.0250	н			"			
Surrogate a,a,a-Trifluorotoluene		117 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	737	10.0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	1960	10 0	н		"	9	"	"	
Fotal Hydrocarbon C6-C35	2700	10 0	*				"	"	
Surrogate: 1-Chlorooctane		116%	70-1	30	"	"	"	"	
Surrogate [,] 1-Chlorooctadecane		128 %	70-1	30	"	"	"	"	
SB-3 40' (5112001-18) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51403	09/13/05	09/13/05	EPA 8021B	
foluene	0.0253	0 0250	"		"	"	"		
Ethylbenzene	ND	0 0250	н	"	"	"		n	
Kylene (p/m)	0.0307	0 0250	"			•	۳	M	
(ylene (o)	ND	0 0250	n	"	17	н	"	11	
Surrogate: a,a,a-Trifluorotoluene		81.8%	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.0 %	80-1.	20	"	"	"	"	
Gasoline Range Organics C6-C12	32.4	10.0	mg/kg dry	1	E151215	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	295	10 0	н			"	"	v	
Fotal Hydrocarbon C6-C35	327	10 0		н		n	11	"	

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Plains All American EH & S 1301 S County Road 1150 Midland TX, 79706-4476		Project Tank 374 10" Sweet Truck Haul Line Project Number EMS 2005-00172 Project Manager Daniel Bryant			Fax (432)687-4914 Reported: 09/15/05 12 19				
• • • • • • • • • • • • • • • • • • •		O	rganics b	oy GC					
		Environ	mental L	ab of Te	exas				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3 40' (5112001-18) Soil								• = • • • • •	
Surrogate: 1-Chlorooctane		98.4 %	70-	130	E151215	09/12/05	09/13/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		127 %	70-	130	"	"	"	"	
SB-3 50' (5112001-19) Soil									
Benzene	ND	0 0250	mg/kg dry	25	E151403	09/13/05	09/13/05	EPA 8021B	
Toluene	ND	0 0250	*	n	"	"	н		
Ethylbenzene	ND	0.0250	"	"		n	"	"	
Xylene (p/m)	0.0260	0 0250			"	"			
Xylene (o)	ND	0.0250	"	м	0	н		"	
Surrogate: a,a,a-Trifluorotoluene		92.4 %	80-	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	80-	120	"	"	"	"	
Gasoline Range Organics C6-C12	J [6.01]	10 0	mg/kg dry	í	EI51215	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	34.7	10 0	"			"		"	
Total Hydrocarbon C6-C35	34.7	10 0	"	11	м	"	"	"	
Surrogate: 1-Chlorooctane		910%	70-	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		114 %	70-	130	"	"	"	"	
SB-3 60' (5112001-20) Soil									
Benzene	ND	0 0250	mg/kg dry	25	E151403	09/13/05	09/13/05	EPA 8021B	<u> </u>
Toluene	ND	0 0250	"	п	*	"	"	•	
Ethylbenzene	ND	0 0250	"	n	**	"	"	•	
Xylene (p/m)	ND	0 0250	"	"		u	"	"	
Xylene (o)	ND	0 0250	IT	**	н	9	"	19	
Surrogate: a,a,a-Trifluorotoluene		89.0 %	80-	120	"	"	"	Π	
Surrogate. 4-Bromofluorobenzene		95.4%	80-1	120	"	"	"	"	
Gasoline Range Organics C6-C12	J [9.16]	10 0	mg/kg dry	1	EI51215	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	25.6	10 0	"	"	"		н	*	
Total Hydrocarbon C6-C35	25.6	10 0	"	"	"	н	н	"	
Surrogate: 1-Chlorooctane		92.4 %	70-1	130	"	"	"	"	
Surrogate. 1-Chlorooctadecane		112 %	70-1	130	"	"	"	"	

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Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax (432) 687-4914
1301 S. County Road 1150	Project Number	EMS 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager	Daniel Bryant	09/15/05 12 19

Organics by GC

Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-4-5' (5112001-21) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51403	09/13/05	09/14/05	EPA 8021B	
Toluene	ND	0 0250	"		"	"	"	"	
Ethylbenzene	ND	0 0250	н		"		"		
Xylene (p/m)	ND	0 0250	м	"	н		**	17	
Xylene (o)	ND	0 0250	и	"	н	n	10	19	
Surrogate. a,a,a-Trifluorotoluene		106 %	80-	120	"	"	n	"	
Surrogate: 4-Bromofluorobenzene		887%	80-	120	n	"	"	"	
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EI51216	09/12/05	09/13/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10 0		"	**	н	н	"	
Total Hydrocarbon C6-C35	ND	10 0		"	"	Ν	н	"	
Surrogate. 1-Chlorooctane		92.6 %	70	130	"	"	"	"	
Surrogate 1-Chlorooctadecane		95.6%	70	130	n	n	"	"	
SB-4 15' (5112001-22) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51403	09/13/05	09/14/05	EPA 8021B	
Toluene	ND	0 0250	н	**	"	"	"	"	
Ethylbenzene	ND	0 0250	۳	"		"		n	
Xylene (p/m)	ND	0 0250	"	н	9	н	*1	"	
Xylene (0)	` ND	0 0250	**		*			"	
Surrogate. a,a,a-Trifluorotoluene		95.1 %	80-	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.2 %	80-1	120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EI51216	09/12/05	09/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	J [8.75]	10 0	"	"			и	н	
Total Hydrocarbon C6-C35	ND	10 0	"	"	"	"			
Surrogate: 1-Chlorooctane		82.0 %	70-1	130	"	"	"	"	
Surrogate ⁺ 1-Chlorooctadecane		102 %	70-1	130	"	"	"	n	
SB-4 25' (5112001-23) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51403	09/13/05	09/14/05	EPA 8021B	
Toluene	ND	0 0250	"	"	**	"	н	m	
Ethylbenzene	ND	0.0250		"		"	"	11	
Xylene (p/m)	ND	0 0250	*	и		"	"	P	
Xylene (o)	ND	0 0250	u			"	"	н	
Surrogate. a.a,a-Trifluorotoluene		103 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EI51216	09/12/05	09/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10 0	"	"		"	н		
Total Hydrocarbon C6-C35	ND	10 0		•	"	**	"	11	
Environmental Lab of Texas			Tha ra	ults in three	onart annh ta	the somelas an	alurad in account	ance with the samples	

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Plains All American EH & S	Plains All American EH & S Project Tank 374 10" Sweet Truck Haul Line							Fax (432) 687-4914			
1301 S County Road 1150									Reported:		
Midland TX, 79706-4476			anager Da		09/15/05						
		0	rganics b	v GC							
Environmental Lab of Texas											
		Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes		
SB-4 25' (5112001-23) Soil											
Surrogate: 1-Chlorooctane		80 2 %	70-1	130	E151216	09/12/05	09/14/05	EPA 8015M			
Surrogate: 1-Chlorooctadecane		912%	70-1	130	"	"	"	"			
SB-5 5' (5112001-24) Soil											
Benzene	ND	0 0250	mg/kg dry	25	E151403	09/13/05	09/14/05	EPA 8021B			
Toluene	ND	0 0250	"		"	"		"			
Ethylbenzene	ND	0 0250	u		11	n	"	"			
Xylene (p/m)	ND	0 0250	"	H	"	"	"	"			
Xylene (o)	ND	0 0250	"	"	"	"	"	"			
Surrogate a,a.a-Trifluorotoluene		93.7 %	80-1	120	"	"	"	"			
Surrogate 4-Bromofluorobenzene		97.0 %	80-1	120	"	"	"	"			
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EI51216	09/12/05	09/14/05	EPA 8015M			
Diesel Range Organics >C12-C35	ND	10 0	-		н	"	"	"			
Total Hydrocarbon C6-C35	ND	10 0	M	**	*	"	"	"			
Surrogate 1-Chlorooctane		80 8 %	70-1	130	"	"	"	"			
Surrogate. 1-Chlorooctadecane		101 %	70-1	130	"	"	"	"			
SB-5 15' (5112001-25) Soil											
Benzene	ND	0 0250	mg/kg dry	25	EI51403	09/13/05	09/14/05	EPA 8021B			
Toluene	ND	0 0250				"	н				
Ethylbenzene	ND	0 0250	"	"		"	"				
Xylene (p/m)	ND	0 0250	"				"	н			
Xylene (o)	ND	0 0250	*	н		м	**	"			
Surrogate [.] a,a,a-Trifluorotoluene		86.1 %	80-1	20	"	11	"	"			
Surrogate. 4-Bromofluorobenzene		86.4 %	80-1	20	"	"	"	"			
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EI51216	09/12/05	09/14/05	EPA 8015M			
Diesel Range Organics >C12-C35	ND	10 0	9			"	11	n			
Total Hydrocarbon C6-C35	ND	10 0	"		"	N	n	"			
Surrogate: 1-Chlorooctane		82.2 %	70-1	30	"	"	"	IJ			
Surrogate: 1-Chlorooctadecane		91.4 %	70-1	30	"	"	"	"			

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Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax (432)687-4914
1301 S County Road 1150	Project Number	EMS 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager	Daniel Bryant	09/15/05 12 19

Organics by GC

Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-5 25' (5112001-26) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51403	09/13/05	09/14/05	EPA 8021B	
Toluene	ND	0 0250		"	۲				
Ethylbenzene	ND	0.0250	"	"	"	n	*	89	
Xylene (p/m)	ND	0 0250	"	"	",	P		**	
Xylene (o)	ND	0 0250	"	"	"	11	и	"	
Surrogate a,a,a-Trifluorotoluene		87.6 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	,	916%	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	I	EI51216	09/12/05	09/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10 0	"	"		"	P		
Total Hydrocarbon C6-C35	ND	10 0	11	"	"	"	*	**	
Surrogate: 1-Chlorooctane		750%	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.0 %	70-1	30	"	"	"	"	
SB-6 5' (5112001-27) Soil									
Benzene	0.593	0 0250	mg/kg dry	25	EI51403	09/13/05	09/14/05	EPA 8021B	
Toluene	1.26	0 0250			**	n	**	"	
Ethylbenzene	1.16	0 0250	**	н		"	11	"	
Xylene (p/m)	4.82	0 0250		۳		**	*	"	
Xylene (0)	2.63	0 0250	"			"		17	
Surrogate. a.a.a-Trifluorotoluene		114%	80-1	20	"	"	"	"	
Surrogate. 4-Bromofluorobenzene		84.9 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	2200	10 0	mg/kg dry	1	EI51216	09/12/05	09/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	6600	10.0		17	•	"	"	м	
Total Hydrocarbon C6-C35	8800	10 0	"	*		"		71	
Surrogate: 1-Chlorooctane		111%	70-1	30	"	"	"	"	
Surrogate. 1-Chlorooctadecane		92 6 %	70-1	30	"	"	"	"	
SB-6 15' (5112001-28) Soil									
Benzene	J [0.0992]	0 100	mg/kg dry	100	EI51403	09/13/05	09/14/05	EPA 8021B	
Toluene	0.683	0 100		"	"	v	*	н	
Ethylbenzene	1.16	0 100			"	н		W	
Xylene (p/m)	6.04	0 100	'n		"	"			
Xylene (o)	2.35	0 100	"	"	** *	н	н	н	
Surrogate: a.a,a-Trifluorotoluene	,	105 %	80-1	20	"	n	"	"	
Surrogate: 4-Bromofluorobenzene		95.6%	80-1	20	"	"	"	n	
Gasoline Range Organics C6-C12	1900	10 0	mg/kg dry	1	E151216	09/12/05	09/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	6270	10 0	н		"	"		"	
Total Hydrocarbon C6-C35	8170	10.0	"	п	"	"	н	"	
Environmental Lab of Texas	· · · · · · · · · · · · · · · · · · ·						aluzad in accord		

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Plains All American EH & S		1	Project Tai	nk 374 10" S	Sweet Truck	Haul Line		Fax (432)	687-4914
1301 S County Road 1150		Project N		IS 2005-00	0172			Reported:	
Midland TX, 79706-4476		Project M	anager Da	niel Bryant				09/15/05	12:19
		O	rganics b	y GC					
		Environ	mental L	ab of Te	exas				
		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-6 15' (5112001-28) Soil									
Surrogate: 1-Chlorooctane		104 %	70-1	130	EI51216	09/12/05	09/14/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		94.4 %	70-1	130	"	"	"	"	
SB-6 25' (5112001-29) Soil									
Benzene	0.212	0 100	mg/kg dry	100	EI51403	09/13/05	09/14/05	EPA 8021B	
Toluene	1.72	0 100	"	**		11	"	17	
Ethylbenzene	1.85	0 100	"	"		*		"	
Xylene (p/m)	14.5	0 100	*			**		*	
Xylene (0)	5.50	0 100	"	"		11	"	H	
Surrogate a.a,a-Trifluorotoluene		136 %	80-1	120	"	"	"	"	S-0
Surrogate: 4-Bromofluorobenzene		112 %	80-1	120	"	"	"	"	
Gasoline Range Organics C6-C12	2510	10 0	mg/kg dry	1	EI51216	09/12/05	09/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	6870	10 0	"	"		"	"	"	
Total Hydrocarbon C6-C35	9380	10 0	"	"	11	"	"	"	
Surrogate. 1-Chlorooctane		123 %	70-1	130	"	"	"	n	
Surrogate 1-Chlorooctadecane		86.8 %	70-1	130	"	"	"	"	
SB-6 40' (5112001-30) Soil									
Benzene	ND	0 0250	mg/kg dry	25	E151403	09/13/05	09/14/05	EPA 8021B	
Toluene	0.0264	0 0250		"		"		"	
Ethylbenzene	0.0281	0 0250						"	
Xylene (p/m)	0.236	0 0250	w		н	*	н	**	
Xylene (0)	0.0642	0 0250				"		"	
Surrogate: a,a,a-Trifluorotoluene		84.0 %	80-1	20	"	"	"		·····
Surrogate: 4-Bromofluorobenzene		85.0%	80-1		"	"	"	"	
Gasoline Range Organics C6-C12	97.7	10 0		1	E151216	09/12/05	09/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	801	10 0			"	"	"		
Total Hydrocarbon C6-C35	899	10 0	**			"	"	"	
Surrogate: 1-Chlorooctane		76.4 %	70-1	30	"		"	"	
Surrogate 1-Chlorooctadecane		89.6%	70-1		,,	"	"	"	

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Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax (432) 687-4914
1301 S County Road 1150	Project Number	EMS 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager	Daniel Bryant	09/15/05 12 19

Organics by GC

Environmental Lab of Texas

Analyte	Result	 Reporting Limit 	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-6 50' (5112001-31) Soil					Daten				
Benzene	ND	0 0250	mg/kg dry	25	EI51403	09/13/05	09/14/05	EPA 8021B	
Toluene	J [0.0112]	0 0250	"		"				
Ethylbenzene	ND	0 0250	"	"		n	*	"	
Xylene (p/m)	0.0333	0.0250	"			"	"		
Xylene (o)	ND	0 0250	۳		"	"	"	11	
Surrogate: a,a,a-Trifluorotoluene		95.1 %	80	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.9 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	34.0	10 0	mg/kg dry	1	EI51216	09/12/05	09/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	342	10.0	н		"	"	н	и	
Total Hydrocarbon C6-C35	376	10 0	n				11	"	
Surrogate: 1-Chlorooctane		73.4 %	70	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		91.0 %	70-2	30	"	n	"	"	
SB-6 60' (5I12001-32) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51403	09/13/05	09/14/05	EPA 8021B	
Toluene	ND	0 0250	**		•	"	"		
Ethylbenzene	ND	0 0250	"		*	"	۳	11	
Xylene (p/m)	J [0.0235]	0 0250	"	"		n	v	11	
Xylene (o)	ND	0 0250						11	
Surrogate: a,a,a-Trifluorotoluene		98 4 %	80-1	20	"	"	"	"	
Surrogate. 4-Bromofluorobenzene		100 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	29.6	10 0	mg/kg dry	I	EI51216	09/12/05	09/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	411	10 0	"	"	"	u	"		
Total Hydrocarbon C6-C35	441	10 0	"		"		*		
Surrogate: 1-Chlorooctane		74.8 %	70-1	30	"	"	"	"	
Surrogate 1-Chlorooctadecane		93 2 %	70-1	30	"	"	"	"	
SB-6 70' (5112001-33) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51404	09/14/05	09/14/05	EPA 8021B	
Toluene	ND	0 0250	н		"	••	"	"	
Ethylbenzene	ND	0 0250	9		"	•	n	н	
Xylene (p/m)	ND	0 0250		11	"	11	"		
Xylene (o)	ND	0 0250	*	и	**	19	"	"	
Surrogate. a,a,a-Trifluorotoluene		98.2 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.6 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EI51216	09/12/05	09/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	25.4	10 0	"			"	"		
Total Hydrocarbon C6-C35	25.4	10.0		н			n	n	

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Plains All American EH & S	Project Tank 374 10" Sweet Truck Haul Line	Fax (432) 687-4914
1301 S County Road 1150	Project Number EMS 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager. Daniel Bryant	09/15/05 12 19

Environmental Lab of Texas									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SB-6 70' (5112001-33) Soil									
Surrogate: 1-Chlorooctane		72.8 %	70-1	30	E151216	09/12/05	09/14/05	EPA 8015M	
Surrogate [•] 1-Chlorooctadecane		77.8 %	70-1	30	"	"	"	n	
SB-6 80' (5112001-34) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51404	09/14/05	09/14/05	EPA 8021B	
Toluene	ND	0.0250	**	*	"	N	"	*	
Ethylbenzene	ND	0.0250	**	*	۲	"	"		
Xylene (p/m)	ND	0 0250	n	"	"	"		**	
Xylene (o)	ND	0 0250	н	**	**	"	н		
Surrogate. a,a,a-Trifluorotoluene		98.2 %	80-1	20	"	"	"	11	
Surrogate 4-Bromofluorobenzene		95.4 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	ł	EI51216	09/12/05	09/14/05	EPA 8015M	
Diesel Range Organics >C12-C35	26.1	10 0	"	n	v	н		"	
Total Hydrocarbon C6-C35	26.1	10 0	"	"	"	н '	u	**	
Surrogate: 1-Chlorooctane		73.2 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		754%	70-1	30	"	"	"	"	

Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax (432)687-4914
1301 S County Road 1150	Project Number	EMS 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager	Daniel Bryant	09/15/05 12:19

Environmental Lab of Texas

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1 5' (5112001-01) Soil									
% Moisture	3.2	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-1 15' (5112001-02) Soil									
% Moisture	3.8	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-1 25' (5112001-03) Soil									
Chloride	ND	20 0	mg/kg Wet	2	EI51419	09/14/05	09/14/05	SW 846 9253	
% Moisture	5.4	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-1 40' (5112001-04) Soil									
% Moisture	0.3	0 1	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-1 50' (5112001-05) Soil									
% Moisture	0.5	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-1 60' (5112001-06) Soil									
% Moisture	1.0	0.1	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-1 70' (5112001-07) Soil									
% Moisture	0.4	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-1 80' (5112001-08) Soil									
% Moisture	0.2	0 1	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-1 90' (5112001-09) Soit									
% Moisture	2.9	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-1 100' (5112001-10) Soil								-	
% Moisture	0.5	01	%	1	E151307	09/13/05	09/13/05	% calculation	· · · · ·

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2 5' (5112001-11) Soil			0.114	Diluuon	Batch	Prepared	Analyzeu	Method	Note
% Moisture	0.2	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-2-15' (5112001-12) Soil									
% Moisture	0.6	0 1	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-2 25' (5112001-13) Soil									
% Moisture	0.5	0 1	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-2 40' (5112001-14) Soil									
% Moisture	0.3	0 1	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-3 5' (5112001-15) Soil									
% Moisture	0.4	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-3 15' (5112001-16) Soil									
% Moisture	0.3	0 1	%	1	EI51307	09/13/05	09/13/05	% calculation	·
SB-3 25' (5112001-17) Soil									
% Moisture	1.4	0.1	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-3 40' (5112001-18) Soil									
% Moisture	1.1	0 1	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-3 50' (5112001-19) Soil									
% Moisture	0.5	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-3 60' (5112001-20) Soil									
% Moisture	0.6	0 1	%	1	EI51307	09/13/05	09/13/05	% calculation	<u></u>
SB-4 5' (5112001-21) Soil									
% Moisture	0.2	01	%	1	EI51307	09/13/05	09/13/05	% calculation	

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Anabuta	Result	Reporting	Units	D1 d	0.1	D	4 - 1 - 1	Marka I	NI -
Analyte SB-4 15' (5112001-22) Soil	Kesult	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
% Moisture	0.4	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-4 25' (5112001-23) Soil									
% Moisture	2.3	0 1	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-5-5' (5112001-24) Soil									
% Moisture	0.8	0 1	%	1	E151307	09/13/05	09/13/05	% calculation	
SB-5-15' (5112001-25) Soil									
% Moisture	7.8	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-5-25' (5112001-26) Soil									
% Moisture	8.9	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-6-5' (5112001-27) Soil									
% Moisture	9.8	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-6 15' (5112001-28) Soil									`
% Moisture	5.7	01	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-6 25' (5112001-29) Soil									
% Moisture	1.4	0 1	%	I	EI51307	09/13/05	09/13/05	% calculation	
SB-6 40' (5112001-30) Soil									
% Moisture	0.9	0.1	%	1	EI51307	09/13/05	09/13/05	% calculation	
SB-6 50' (5112001-31) Soil									0
% Moisture	0.9	01	%	1	E151307	09/13/05	09/13/05	% calculation	
8B-6-60' (5112001-32) Soil									
% Moisture	1.5	0 1	%	1	E151307	09/13/05	09/13/05	% calculation	

Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax (432)687-4914
1301 S County Road 1150	Project Number	EMS 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager	Daniel Bryant	09/15/05 12 19

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-6 70' (5112001-33) Soil									
% Moisture	0.6	01	%	1	E151307	09/13/05	09/13/05	% calculation	
SB-6 80' (5112001-34) Soil									
% Moisture	2.7	01	%	1	EI51307	09/13/05	09/13/05	% calculation	

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Plains All American EH & S 1301 S County Road 1150 Midland TX, 79706-4476	۲	P Project Nu Project Ma	umber EM	k 374 10" S S. 2005-00 nel Bryant		Haul Line			Fax. (432) Repo 09/15/0	rted:
	0	rganics by	-	-						
		Environn	nental L	ab of Te	xas					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EI51212 - EPA 5030C (GC)			,							
Blank (E151212-BLK1)				Prepared &	2 Analyzed	09/12/05				
Benzene	ND	0 0250	mg/kg wet							
Foluene	ND	0 0250								
Ethylbenzene	ND	0 0250	"							
Xylene (p/m)	ND	0 0250	"							
Xylene (o)	ND	0 0250	"		`					
Surrogate a,a,a-Trifluorotoluene	101		ug/kg	100		101	80-120			
Surrogate 4-Bromofluorobenzene	87 1		"	100		87 I	80-120			
LCS (E151212-BS1)				Prepared &	2 Analyzed	09/12/05				
Benzene	96 3		ug/kg	100		96.3	80-120			
Foluene	102		"	100		102	80-120			
Ethylbenzene	117		"	100		117	80-120			
Xylene (p/m)	218		"	200		109	80-120			
Xylene (0)	114		"	100		114	80-120			
Surrogate a,a,a-Trifluorotoluene	916		"	100		916	80-120			
Surrogate 4-Bromofluorobenzene	86 7		"	100		86 7	80-120			
Calibration Check (El51212-CCV1)				Prepared ()9/12/05 A	nalvzed 09	/13/05			
Benzene	83 5		ug/kg	100		83 5	80-120			
Foluene	82 0		"	100		82 0	80-120			
Ethylbenzene	88 3			100		88 3	80-120			
Xylene (p/m)	171		"	200		85 5	80-120			
Xylene (o)	91 1		"	100		911	80-120			
Surrogate a,a,a-Trifluorotoluene	80 7		"	100		80 7	0-200			
Surrogate 4-Bromofluorobenzene	80.9		"	100		80 9	0-200			
Matrix Spike (EI51212-MS1)	Sou	rce: 5112001-	12	Prepared ()9/12/05 A	nalyzed 09	/13/05			
Benzene	2340		ug/kg	2500	ND	93 6	80-120			
Toluene	2440		- H	2500	ND	97 6	80-120			
Ethylbenzene	2900		"	2500	ND	116	80-120			
šylene (p/m)	5520		"	5000	ND	110	80-120			
(ylene (o)	2990		"	2500	ND	120	80-120			
Surrogate a,a,a-Trifluorotoluene	913		"	100		91.3	80-120			
urrogate 4-Bromofluorobenzene	90 1		"	100		90 1	80-120			

Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax: (432) 687-4914
1301 S County Road 1150	Project Number	EMS 2005-00172	Reported:
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Organics by GC - Quality Control

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

Batch E151212 - EPA 5030C (GC)

Matrix Spike Dup (EI51212-MSD1)	Source: 5	I12001-12	Prepared (9/12/05 A	nalyzed 0	9/13/05			
Benzene	2210	ug/kg	2500	ND	88 4	80-120	5 71	20	
Toluene	2320	11	2500	ND	92 8	80-120	5 04	20	
Ethylbenzene	2710	11	2500	ND	108	80-120	714	20	
Xylene (p/m)	5140	۳	5000	ND	103	80-120	6 57	20	,
Xylene (0)	2830	"	2500	ND	113	80-120	6 01	20	
Surrogate a,a,a-Trifluorotoluene	841	"	100		841	80-120			
Surrogate 4-Bromofluorobenzene	914	"	100		914	80-120			

Batch E151215 - Solvent Extraction (GC)

Blank (EI51215-BLK1)				Prepared & Anal	lyzed 09/12/05		
Gasoline Range Organics C6-C12	ND	10 0	mg/kg wet			ana the second	
Diesel Range Organics >C12-C35	ND	10 0	"				
Total Hydrocarbon C6-C35	ND	10 0					
Surrogale, 1-Chlorooctane	38 2		mg/kg	50.0	76 4	70-130	
Surrogate 1-Chlorooctadecane	42 3		"	50 0	846	70-130	
LCS (E151215-BS1)				Prepared & Anal	lyzed 09/12/05		
Gasoline Range Organics C6-C12	417	10.0	mg/kg wet	500	83 4	75-125	
Diesel Range Organics >C12-C35	458	10 0		500	91.6	75-125	
Total Hydrocarbon C6-C35	875	10 0	"	1000	87 5	75-125	
Surrogate, 1-Chlorooctane	46 4		mg/kg	50.0	92 8	70-130	
Surrogate 1-Chlorooctadecane	48 2		"	50 0	96 4	70-130	
Calibration Check (EI51215-CCV1)				Prepared 09/12/	05 Analyzed 09	/13/05	
Gasoline Range Organics C6-C12	426		mg/kg	500	85 2	80-120	
Diesel Range Organics >C12-C35	430		"	500	86 0	80-120	
Total Hydrocarbon C6-C35	856		n	1000	85 6	80-120	
Surrogate 1-Chlorooctane	44 1		"	50.0	88 2	0-200	
Surrogate 1-Chlorooctadecane	46 6		"	50 0	932	0-200	

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Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax (432)687-4914
1301 S County Road 1150	Project Number	EMS 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager	Daniel Bryant	09/15/05 12 19

Organics by GC - Quality Control

Environmental Lab of Texas

	Reporting		Spike	Source		%REC		RPD	
Analyte Rest	it Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch EI51215 - Solvent Extraction (GC)

Matrix Spike (EI51215-MS1)	Sourc	e: 5112001-	-05	Prepared &	Analyzed	09/12/05				
Gasoline Range Organics C6-C12	387	10 0	mg/kg dry	503	8 4 9	75 3	75-125			
Diesel Range Organics >C12-C35	449	10.0	P	503	470	79 9	75-125			
Total Hydrocarbon C6-C35	836	10 0	"	1010	470	78 1	75-125			
Surrogate 1-Chlorooctane	41.8		mg/kg	50 0		836	70-130			
Surrogate 1-Chlorooctadecane	45 5		"	50 0		910	70-130			
Matrix Spike Dup (EI51215-MSD1)	Sourc	e: 5112001-	-05	Prepared &	. Analyzed	09/12/05				
Gasoline Range Organics C6-C12	389	10 0	mg/kg dry	503	8 4 9	75,6	75-125	0 515	20	
Diesel Range Organics >C12-C35	446	10 0		503	47 0	79.3	75-125	0 670	20	
Total Hydrocarbon C6-C35	835	10 0	"	1010	470	78 0	75-125	0 120	20	
Surrogate 1-Chlorooctane	42 1		mg/kg	50 0		842	70-130			
Surrogate 1-Chlorooctadecane	446		"	50 0		<i>89 2</i>	70-130			

Batch EI51216 - Solvent Extraction (GC)

Blank (EI51216-BLK1)				Prepared 09/12/	05 Analyzed: 09	9/13/05	
Gasoline Range Organics C6-C12	ND	10 0	mg/kg wet		*****		
Diesel Range Organics >C12-C35	ND	10 0	H				
Total Hydrocarbon C6-C35	ND	10 0	"				
Surrogate 1-Chlorooctane	39 1		mg/kg	50 0	78 2	70-130	
Surrogate 1-Chlorooctadecane	38.6		"	50 0	77.2	70-130	
LCS (EI51216-BS1)				Prepared 09/12/	05 Analyzed 09	9/13/05	
Gasoline Range Organics C6-C12	407	10 0	mg/kg wet	500	81 4	75-125	
Diesel Range Organics >C12-C35	443	10.0	"	500	88 6	75-125	
Total Hydrocarbon C6-C35	850	100	н	1000	85 0	75-125	
Surrogate 1-Chlorooctane	44.5		mg/kg	50 0	89 0	70-130	
Surrogate 1-Chlorooctadecane	42 3		"	50 0	846	70-130	

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Plains All American EH & S 1301 S County Road 1150 Midland TX, 79706-4476	Project Tank 374 10" Sweet Truck Haul Line Project Number , EMS 2005-00172 Project Manager Daniel Bryant									Fax (432)687-4914 Reported: 09/15/051219		
	01	rganics by	-	•								
		Environ	nental L	<u></u>								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes		
Batch EI51216 - Solvent Extraction (GC)												
Calibration Check (EI51216-CCV1)	/			Prepared (09/12/05 A	nalyzed 09	9/14/05					
Gasoline Range Organics C6-C12	403		mg/kg	500		80 6	80-120					
Diesel Range Organics >C12-C35	468		"	500		93 6	80-120					
Fotal Hydrocarbon C6-C35	871		н	1000		87 1	80-120					
Surrogate 1-Chlorooctane	44 0		"	50 0		88 0	0-200					
Surrogate · 1-Chlorooctadecane	519		"	50 0		104	0-200					
Matrix Spike (EI51216-MS1)	Sou	rce: 5112001	-21	Prepared (09/12/05 A	nalyzed. 09	9/13/05					
Gasoline Range Organics C6-C12	394	10 0	mg/kg dry	501	ND	78 6	75-125					
Diesel Range Organics >C12-C35	421	10 0	n	501	ND	84.0	75-125					
Fotal Hydrocarbon C6-C35	815	10 0		1000	ND	815	75-125					
Surrogate 1-Chlorooctane	413	<u>,</u>	mg/kg	50 0		82.6	70-130					
Surrogate 1-Chlorooctadecane	41.6		"	50 0		83 2	70-130					
Matrix Spike Dup (EI51216-MSD1)	Sou	rce: 5112001	-21	Prepared (09/12/05 A	nalyzed 09	9/13/05					
Gasoline Range Organics C6-C12	408	10 0	mg/kg dry	501	ND	814	75-125	3 49	20			
Diesel Range Organics >C12-C35	430	10 0	"	501	ND	85 8	75-125	2 12	20			
Total Hydrocarbon C6-C35	838	10 0	"	1000	ND	83 8	75-125	2.78	20			
Surrogate 1-Chlorooctane	418		mg/kg	50 0		836	70-130					
Surrogate 1-Chlorooctadecane	40 6		"	50 0		81.2	70-130					
Batch EI51403 - EPA 5030C (GC)												
Blank (EI51403-BLK1)				Prepared &	k Analyzed	09/13/05						
Benzene	ND	0 0250	mg/kg wet									
Toluene	ND	0 0250	•									
Ethylbenzene	ND	0 0250	"							,		
(ylene (p/m)	ND	0 0250	*									
(ylene (o)	ND	0 0250	*									
urrogate a,a,a-Trifluorotoluene	93 7		ug/kg	100		937	80-120					
Surrogate 4-Bromofluorobenzene	105		"	100		105	80-120					

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1301 S County Road 1150	Project Number	EMS: 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager	Daniel Bryant	09/15/05 12 19
Plains All American EH & S		Tank 374 10" Sweet Truck Haul Line	Fax (432)687-4914

Organics by GC - Quality Control

Environmental Lab of Texas

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

Batch EI51403 - EPA 5030C (GC)

LCS (E151403-BS1)			Prepared &	Analyzed	09/13/05				
Benzene	92 2	ug/kg	100		92 2	80-120			
Toluene	95 7	n	100		95 7	80-120			
Ethylbenzene	107	"	100		107	80-120			
Xylene (p/m)	202		200		101	80-120			
Xylene (o)	107		100		107	80-120			
Surrogate a,a,a-Trifluorotoluene	970	tł	100		970	80-120			
Surrogate 4-Bromofluorobenzene	95 6	"	100		956	80-120			
Calibration Check (EI51403-CCV1)			Prepared ()9/13/05 A	nalyzed 0	9/14/05			
Benzene	88 9	ug/kg	100		88 9	80-120			
Toluene	898		100		898	80-120			
Ethylbenzene	101		100		101	80-120			
Xylene (p/m)	193		200		96 5	80-120			
Xylene (0)	105		100		105	80-120			
Surrogate a,a,a-Trifluorotoluene	94.2	"	100		94.2	0-200			
Surrogate 4-Bromofluorobenzene	96 2	"	100		96 2	0-200			
Matrix Spike (E151403-MS1)	Source: 5	112001-13	Prepared (9/13/05 A	nalyzed 09	9/14/05			
Benzene	91.0	ug/kg	100	ND	91 0	80-120			
Toluene	94 2	"	100	ND	94 2	80-120			
Ethylbenzene	108	"	100	ND	108	80-120			
Xylene (p/m)	204	"	200	ND	102	80-120			
Xylene (0)	108	*	100	ND	108	80-120			
Surrogate. a,a,a-Trifluorotoluene	102	"	100		102	80-120			
Surrogate 4-Bromofluorobenzene	101	"	100		101	80-120			
Matrix Spike Dup (EI51403-MSD1)	Source: 5	112001-13	Prepared 0	9/13/05 A	nalyzed 09	9/14/05			
Benzene	89 9	ug/kg	100	ND	89 9	80-120	1 22	20	
Foluene	93 5	,	100	ND	93 5	80-120	0 746	20	
Ethylbenzene	106		100	ND	106	80-120	187	20	
Xylene (p/m)	201	"	200	ND	100	80-120	1.98	20	
(o)	106	п	100	ND	106	80-120	1 87	20	
Surrogate a,a,a-Trifluorotoluene	96 4	"	100		96 4	80-120			
Surrogate 4-Bromofluorobenzene	98 7	"	100		98 7	80-120			

Plains All American EH & S 1301 S County Road 1150	Project Tank 374 10" Sweet Truck Haul Line Project Number. EMS 2005-00172									Fax (432) 687-4914 Reported:		
Midland TX, 79706-4476				aniel Bryant					09/15/0			
	0	rganics by	- GC - Q	Quality Co	ontrol							
		Environ	nental I	Lab of Te	xas							
Analyte	Result	Reporting Limit	[°] Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes		
Batch EI51404 - EPA 5030C (GC)												
Blank (EI51404-BLK1)				Prepared &	k Analyzed	09/14/05						
Benzene	ND	0 0250	mg/kg wet	1								
Toluene	ND	0 0250										
Ethylbenzene	ND	0 0250	м									
Xylene (p/m)	ND	0 0250	н									
Xylene (0)	ND	0 0250										
Surrogate a,a,a-Trifluorotoluene	939		ug/kg	100		939	80-120					
Surrogate 4-Bromofluorobenzene	91.2		"	100		912	80-120					
LCS (E151404-BS1)				Prepared &	z Analyzed	09/14/05						
Benzene	90 1		ug/kg	100	-	90 1	80-120					
Foluene	94 0			100		94 0	80-120					
Ethylbenzene	107		"	100		107	80-120					
Xylene (p/m)	204		"	200		102	80-120					
Xylene (0)	109		*	100		109	80-120					
Surrogate: a,a,a-Trifluoroioluene	97.4		"	100	· · · · ·	974	80-120			L		
Surrogate 4-Bromofluorobenzene	103		"	100		103	80-120					
Calibration Check (EI51404-CCV1)				Prepared &	z Analyzed	09/14/05						
Benzene	88 9		ug/kg	100		88 9	80-120					
Foluene	898			100		898	80-120					
Ethylbenzene	101		"	100		101	80-120					
Xylene (p/m)	193		"	200		96 5	80-120					
Xylene (0)	105		"	100		105	80-120					
Surrogate a,a,a-Trifluorotoluene	94 2		"	100		942	0-200					
urrogate 4-Bromofluorobenzene	96.2		"	100		96 2	0-200					
Matrix Spike (E151404-MS1)	Sou	rce: 5113009-	01	Prepared &	: Analyzed	09/14/05						
Benzene	89 9	**	ug/kg	100	ND	89 9	80-120					
oluene	92.9			100	ND	92 9	80-120					
Ethylbenzene	104			100	ND	104	80-120					
Kylene (p/m)	197			200	ND	98 5	80-120					
Sylene (o)	103		н	100	ND	103	80-120					
Surrogate a,a,a-Trifluorotoluene	956		"	100		956	80-120					
Surrogate 4-Bromofluorobenzene	914		"	100		91 4	80-120					

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Plains All Ameri	can EH & S	Project [.]	Tank 374 10" Sweet Truck Haul Line	Fax (432)687-4914
1301 S County I	Load 1150	Project Number	EMS 2005-00172	Reported:
Midland TX, 797	06-4476	Project Manager	Daniel Bryant	09/15/05 12 19

Organics by GC - Quality Control

Environmental Lab of Texas

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

Batch EI51404 - EPA 5030C (GC)

Matrix Spike Dup (EI51404-MSD1)	Source: 5	[13009-01	Prepared &	2 Analyzed	09/14/05				
Benzene	89.1	ug/kg	100	ND	89 1	80-120	0 894	20	
Toluene	93 0	"	100	ND	93 0	80-120	0 108	20	
Ethylbenzene	104	"	100	ND	104	80-120	0 00	20	
Xylene (p/m)	197	н	200	ND	98 5	80-120	0 00	20	
Xylene (o)	103		100	ND	103	80-120	0 00	20	
Surrogate a,a,a-Trifluorotoluene	96 8	"	100		968	80-120			
Surrogate 4-Bromofluorobenzene	942	"	100		942	80-120			

Environmental Lab of Texas

Plains All American EH & S 1301 S County Road 1150 Midland TX, 79706-4476		Pr Project Nu Project Ma	imber EM	Tank 374 10" Sweet Truck Haul Line EMS ⁺ 2005-00172 Daniel Bryant						Fax (432)687-4914 Reported: 09/15/051219		
General C	•		Standard Methods - Quality Control Lab of Texas									
							A/D 50		220			
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Lımits	RPD	RPD Limit	Notes		
Batch EI51307 - General Preparation (Prep)											
Blank (E151307-BLK1)				Prepared &	Analyzed	09/13/05						
% Solids	100		%									
Duplicate (EI51307-DUP1)	Sour	ce: 5112001-	01	Prepared &	: Analyzed	09/13/05						
% Solids	96 4		%		96.8			0.414	20			
Duplicate (E151307-DUP2)	Sour	ce: 5112001-3	21	Prepared &	. Analyzed	09/13/05						
% Solids	99 8		%		99 8	-		0 00	20			
Batch EI51419 - Water Extraction												
Blank (EI51419-BLK1)				Prepared &	: Analyzed	09/14/05						
Chlonde	ND	20 0	mg/kg Wet									
Matrix Spike (EI51419-MS1)	Sour	ce: 5113009-(01	Prepared &	: Analyzed.	09/14/05						
Chlonde	200	20 0	mg/kg Wet	175	106	108	80-120					
Matrix Spike Dup (EI51419-MSD1)	Sour	ce: 5113009-(01	Prepared &	: Analyzed	09/14/05						
Chlonde	204	20 0	mg/kg Wet	175	10 6	111	80-120	1 98	20			
Reference (EI51419-SRM1)				Prepared &	: Analyzed	09/14/05						

mg/kg

5000

100

80-120

5000

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Chlonde

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Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax (432)687-4914
1301 S County Road 1150	Project Number	EMS 2005-00172 ·	Reported:
Midland TX, 79706-4476	Project Manager	Daniel Bryant	09/15/05 12 19

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
l	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

Penart Approved By:	Date:	0/15/2005
Report Approved By:	Date:	9/15/2005

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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Environmental Lab of Texas

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Environmentai Lab of Texas I, Ltd. 12800 West I-20 East Phone: 912-583-1890 12600 West I-20 East

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TAT bisbrist > eluberho2-erg) TAT H2U9 Project #: EMS' 2005 - 0017 Project Name: TRUCK HAUL WINE PYDN CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST (VOUNTY ETITIOL IETO W.F.O. Sample Containers Intact?. Temperature Upon Receipt. ID5 aboratory Comments: Analyze Fo 0209/81208 XELS >ealitelovimed C Z semero As Ag Ba Cd Cr Pb Hg Se 604 Project Loc: L LCLP. OBD \ 983 \ RA8 **FOTAL** # 04 (COOH 'COO VOS 'IO) suoju 3.8 (X 'en '6w 'eo) suoge; \$ S Time Time 9001 5004 WSLO8 1 817 144. Cither (epecity): 1103 solpts Aatra 9/0/5 aßphis Date 101GVV Officer (Specify) auon 'OS^ZH 396-Dragervafi HOWN 10H ^CONH Fax No: (5 Ø 5) 801 ŕ No. of Containers 1500 1522 500 1513 2442 0150 Ø925 1001 1006 0931 beiqme2 emiT LOVINGTON NH 88260 CIULS 2005 07SF0 ed by ELC Ø6 SEP Received by SVCS Date Sampled ۶ آ 301 555 505 441-2124 09 7.0 Time Phone: 915-563-1800 Fax: 915-563-1713 ENV 21/11 02 KITON Date Date Box PIPIES Date FIELD CODE in 1 T 3 SI BRIEN 25, у И 10, 10, 1 Sol C [J Ì 0 J. Ĵ ×13-22 <u>B-</u>Z 8-3 \mathcal{A}^{1} 58-5 Company Name 5.05-8 2 Company Address: City/State/Zip: Project Manager: Telsphone Not Sampler Signature: 12600 West I-20 East Odessa, Texas 73763 Special Instructions AB # (lab use only) Q 2 ľ

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Environmental Lab of Texas I, Ltd.

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3 of 4

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

TAT bisbrist2 eluberics-erg) TAT HSUS Project #. EM.S. (2005 - 00192 SWEE Q BENNUT Project Loc: LER COMENTY, NH CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST tenperatory Comments: 7,5 TRNK 374 20 Project Name: <u>TRUCK HARL</u> 1 BURNAD 1510 5 01 2 0 W801 Temperature-Upon Receipt: 105 Sample Containers Intact? 402 Analyze For Ņ 81EX 8031B/2030 >< Senteronaue PAR seigelo, es pH dq 10 b0 s8 pA eA :sistem TOLP DED / 45E / RAE **IOTAL** ₽0 #: **** VIORS (CI, 504, CO3, HCO3) (N , BN , BM , BO) 2008BC 13:81 8 Time e Li 5001 WS108 1006 1.814 :H91 Other (specify): Matrix lio3 > Splas appila Date 1918VV 5 Other (Specify) anoM Preservative "OS™ HOWN IOH ONH Fax No: (505) 80 erentiatine) to .aM 626 6991 1601 14 paidues awit 09838 ed by ELOT 675FD 2005 Environmental Lab of Texas I, Ltd. Received by: belqms2 ets0 SKCS N/M 4 Stal 6976 BOX 301 Time Phone: 915-563-1800 Fax: 915-563-1713 INV DHTTON OVING TON 726229 Salap Date FIELD CODE 10 1-1 Company Name BASTN Ø Ø Š Z) QG のど 00 Project Manager: KEW 58-6 181 City/State/Zip: Company Address: Sampler Signature: Telephone No(\mathbb{C} 12600 West I-20 East Odessa, Texas 79763 Special Instructions: T AB#(lab, use only) 123 3 No

HOFH

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

Client:	Plains / Bas	n
Date/Time:	9/12/05	8:10
Order #:	ST-12.001	
Initials:	C.R.	

298.5-1 1

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	215 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?	Ves	No	
Chain of Custody signed when relinquished and received?	(Ès	No	
Chain of custody agrees with sample label(s)	Yeş	No	с.
Container labels legible and intact?	প্রের	No	
Sample Matrix and properties same as on chain of custody?	Ves	No	
Samples in proper container/bottle?	VES	No	
Samples properly preserved?	des	No	
Sample bottles intact?	XD)	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	8 Be	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	(êş	No	
VOC samples have zero headspace?	103	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: Regarding:	Date/Time:	Contacted by:	
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Corrective Action Taken:			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
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Analytical Report

Prepared for:

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

Project: Tank 374 10" Sweet Truck Haul Line Project Number: EMS: 2005-00172 Location: Lea County, NM

Lab Order Number: 5I13010

Report Date: 09/20/05

Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax (432) 687-4914
1301 S County Road 1150	Project Number.	EMS 2005-00172	Reported:
Mıdland TX, 79706-4476	Project Manager.	Daniel Bryant	09/20/05 08 32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-7 5'	5113010-01	Soil	09/08/05 08 48	09/13/05 15 05
SB-7 15'	5113010-02	Soil	09/08/05 08 59	09/13/05 15 05
SB-7 25'	5113010-03	Soil	09/08/05 09 06	09/13/05 15 05
SB-7 40'	5113010-04	Soil	09/08/05 09 17	09/13/05 15 05
SB-7 50'	5113010-05	Soil	09/08/05 09 25	09/13/05 15 05
SB-7 60'	5113010-06	Soil	09/08/05 09:32	09/13/05 15.05
SB-8 5'	5113010-07	Soil	09/08/05 10.15	09/13/05 15 05
SB-8 15'	5113010-08	Soil	09/08/05 10 22	09/13/05 15 05
SB-8 25'	5113010-09	Soil	09/08/05 10 28	09/13/05 15 05
SB-8 40'	5113010-10	Soil	09/08/05 10 36	09/13/05 15.05

Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax (432) 687-4914
1301 S County Road 1150	Project Number	EMS 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager	Daniel Bryant	09/20/05 08-32

Organics by GC

Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
SB-7 5' (5113010-01) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51503	09/15/05	09/15/05	EPA 8021B	
Foluene	0.0766	0 0250	**	"		н	"	Ŧ	
Ethylbenzene	0.0651	0 0250	n		*		"		
Kylene (p/m)	0.561	0 0250	n			n	"	*	
Kylene (o)	0.202	0 0250	"		*	"	"	*	
Surrogate a,a,a-Trifluorotoluene		90.9 %	80-1	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.3 %	80-1	120	"	"	"	"	
Gasoline Range Organics C6-C12	925	10 0	mg/kg dry	1	EI51414	09/14/05	09/15/05	EPA 8015M	
Diesel Range Organics >C12-C35	2550	10 0	"	•	n	11	"		
Fotal Hydrocarbon C6-C35	3480	10 0	"			"	"	"	
Surrogate: 1-Chlorooctane		109 %	70-1	130	"	11	"	"	
Surrogate I-Chlorooctadecane		103 %	70-1	130	"	"	"	"	
6B-7 15' (5113010-02) Soil									
Benzene	0.0422	0 0250	mg/kg dry	25	EI51503	09/15/05	09/16/05	EPA 8021B	
Toluene	0.246	0 0250		**	"	*	"	11	
Ethylbenzene	0.206	0 0250	н		"	"	"		
(ylene (p/m)	2.19	0.0250		"		"	"		
Kylene (o)	0.879	0 0250		"	"		"		
Surrogate: a,a,a-Trifluorotoluene		118 %	80-1	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.2 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	1390	10 0	mg/kg dry	t	EI51414	09/14/05	09/15/05	EPA 8015M	
Diesel Range Organics >C12-C35	4130	10 0	"	"	"	"	"	"	
Fotal Hydrocarbon C6-C35	5520	10.0	11	"	"	н	۳	н	
Surrogate 1-Chlorooctane		119%	70-1	30	"	"	"	"	
Surrogate 1-Chlorooctadecane		101 %	70-1	30	"	"	"	"	
6B-7 25' (5113010-03) Soil									
Benzene	J [0.0150]	0.0250	mg/kg dry	25	EI51503	09/15/05	09/15/05	EPA 8021B	
foluene	0.127	0.0250	"		м	"	0 C	"	
Ethylbenzene	0.107	0 0250	*		"	v	"	и	
(ylene (p/m)	0.793	0 0250					"		
(ylene (o)	0.306	0 0250	*	"	"	#	"	8	
urrogate: a,a,a-Trifluorotoluene		105 %	80-1	20	"	**	"	"	
Surrogate · 4-Bromofluorobenzene		90 2 %	80-1	20	"	"	"	v	
Gasoline Range Organics C6-C12	781	10 0	mg/kg dry	1	EI51414	09/14/05	09/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	3200	10 0			"	**	19	"	
Fotal Hydrocarbon C6-C35	3980	10 0		"	"		**	n	

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 entirely,

with written approval of Environmental Lab of Texas

Plains All American EH & S 1301 S County Road 1150 Midland TX, 79706-4476		Project N Project M	Fax (432)687-4914 Reported: 09/20/05 08 32						
		0	rganics b	y GC					
		Environ	-	-	exas				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-7 25' (5113010-03) Soil						4			
Surrogate: 1-Chlorooctane		103 %	70-	130	EI51414	09/14/05	09/16/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		103 %	70-	130	"	"	"	"	
SB-7 40' (5113010-04) Soil									
Benzene	ND	0 0250	mg/kg dry	25	E151503	09/15/05	09/16/05	EPA 8021B	
Toluene	ND	0 0250	"	*		"	"	u.	
Ethylbenzene	ND	0 0250	"	*	"	н	н	11	
Xylene (p/m)	ND	0 0250	"	"	"	"	n	U U	
Xylene (0)	ND	0 0250	"			н	н	"	
Surrogate: a,a,a-Trifluorotoluene		102 %	80-	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.4 %	80-	120	"	n	"	"	
Gasoline Range Organics C6-C12	12.6	10 0	mg/kg dry	1	EI51414	09/14/05	09/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	238	10 0	"			"			
Total Hydrocarbon C6-C35	251	10 0	"	•		"	"		
Surrogate: 1-Chlorooctane		83.6%	70-	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		105 %	70-	130	"	"		"	
SB-7 50' (5113010-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI51503	09/15/05	09/16/05	EPA 8021B	
Toluene	ND	0 0250	n	•	"	۳	N	*	
Ethylbenzene	ND	0 0250	"		"	"	. *	*	
Xylene (p/m)	ND	0 0250	"		"	*	"	*	
Xylene (o)	ND	0 0250	"		•	"	"	н	
Surrogate: a,a,a-Trifluorotoluene		940%	80-	120	"	n	"	"	
Surrogate: 4-Bromofluorobenzene		84 2 %	80-	120	"	n	"	"	
Gasoline Range Organics C6-C12	J [7.93]	10 0	mg/kg dry	1	-EI51414	09/14/05	09/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	123	10 0	н			"			
Total Hydrocarbon C6-C35	123	10 0	"	"	н	"	"	"	
Surrogate [.] 1-Chlorooctane		87.6%	70-	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		99.8 %	70-1	130	"	"	"	"	

Plains All American EH & S	Project	Tank 374 10" Sweet Truck Haul Line	Fax (432) 687-4914
1301 S County Road 1150	Project Number	EMS. 2005-00172	Reported:
M1dland TX, 79706-4476	Project Manager	Daniel Bryant	09/20/05 08 32

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Not
SB-7 60' (5113010-06) Soil						_			
Benzene	ND	0 0250	mg/kg dry	25	EI51503	09/15/05	09/16/05	EPA 8021B	
Toluene	ND	0.0250				**	"	"	
Ethylbenzene	ND	0 0250	"	"		"	"	"	
Xylene (p/m)	ND	0 0250	"			۳	"	"	
Xylene (0)	ND	0 0250	"					**	
Surrogate. a,a,a-Trifluorotoluene		84.8 %	80-	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87 5 %	80-	120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EI51414	09/14/05	09/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	106	10 0	н	"	, 19 , 19	"	"	11	
Total Hydrocarbon C6-C35	106	10 0	н	•		н	n	н	
Surrogate: 1-Chlorooctane		87.0 %	70-	130	"	"	"	"	
Surrogate 1-Chlorooctadecane		89.8 %	70-	130	"	"	"	"	
SB-8-5' (5113010-07) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51503	09/15/05	09/16/05	EPA 8021B	-
Toluene	ND	0 0250	н	"	u	"	"		
Ethylbenzene	ND	0 0250				10	"		
Xylene (p/m)	ND	0 0250	"	**		"	"	**	
Xylene (o)	ND	0.0250	n	**			*	н	
Surrogate. a,a,a-Trifluorotoluene		84.3 %	80-	120	"	"	"	"	
Surrogate 4-Bromofluorobenzene		812%	80-	120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI51414	09/14/05	09/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10 0	н	"	"		"	"	
Total Hydrocarbon C6-C35	ND	10 0	"	"	0	н	"	89	
Surrogate. 1-Chlorooctane		83.6 %	70-	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		81.4 %	70	130	"	"	"	"	
SB-8-15' (5113010-08) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51503	09/15/05	09/16/05	EPA 8021B	
Toluene	ND	0 0250	"	•	**	"	n	H	
Ethylbenzene	ND	0 0250			**	۳	"	"	
Xylene (p/m)	ND	0 0250	*	**	"	17	W	"	
Xylene (o)	ND	0 0250	n	"	"	11	"	n	
Surrogate: a,a,a-Trıfluorotoluene		92.1 %	80-	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %	80-1	120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EI51414	09/14/05	09/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10 0		*		"	"	18	
Total Hydrocarbon C6-C35	ND	10 0	"	"		"	"	"	

Environmental Lab of Texas

Plains All American EH & S 1301 S County Road 1150 Midland TX, 79706-4476		Project N Project M	lumber EM	k 374 10" 5 S 2005-06 nel Bryant		c Haul Line		Fax (432) (Repor 09/20/05	ted :
		0	rganics by	y GC					
		Environ	mental L	ab of Te	exas				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-8-15' (5113010-08) Soil									
Surrogate 1-Chlorooctane		84.2 %	70-1	30	E151414	09/14/05	09/16/05	EPA 8015M	
Surrogate: 1-Chlorooctadecane		82.4 %	70-1	30	"	n	п	11	
SB-8 25' (5113010-09) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51503	09/15/05	09/16/05	EPA 8021B	
Toluene	ND	0 0250	н	"	"	"	**	**	
Ethylbenzene	ND	0 0250		"	·*	н	"	"	
Xylene (p/m)	ND	0 0250		"	17	н		"	
Xylene (0)	ND	0 0250		"	*		17	"	
Surrogate. a,a,a-Trifluorotoluene		92.5 %	80-1	20	"	"	"	"	-
Surrogate 4-Bromofluorobenzene		88.6 %	80-1	20	"	"	n	"	
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EI51414	09/14/05	09/16/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10 0	*	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10 0				"	"	"	
Surrogate. 1-Chlorooctane		85.6 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		86.8 %	70-1	30	"	"	"	n	
SB-8 40' (5113010-10) Soil									
Benzene	ND	0 0250	mg/kg dry	25	EI51503	09/15/05	09/16/05	EPA 8021B	
Toluene	ND	0 0250	v	"	"	*	"	**	
Ethylbenzene	ND	0 0250	u	"	"	**	"	**	
Xylene (p/m)	ND	0 0250		"	•	"	*	*	
Xylene (o)	ND	0 0250	u	"	"	*	"	"	
Surrogate: a.a.a-Trifluorotoluene		83.6 %	80-1	20	"	"	"	n	
Surrogate 4-Bromofluorobenzene		88.3 %	80-1	20	"	"	"	n	
Gasoline Range Organics C6-C12	ND	10 0	mg/kg dry	1	EI51414	09/14/05	09/17/05	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10 0	"	"				"	
Total Hydrocarbon C6-C35	ND	10 0	"	"		"	"	"	
Surrogate: 1-Chlorooctane		82.4 %	70-1	30	"	"	"	"	
Surrogate 1-Chlorooctadecane		84.0%	70-1		,,	"	"	"	

Plains All American EH & S	Project.	Tank 374 10" Sweet Truck Haul Line	Fax (432)687-4914
1301 S County Road 1150	Project Number	EMS 2005-00172	Reported:
Midland TX, 79706-4476	Project Manager	Daniel Bryant	09/20/05 08 32

Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-7 5' (5113010-01) Soil									
% Moisture	0.6	0 1	%	1	EI51420	09/14/05	09/14/05	% calculation	
SB-7 15' (5113010-02) Soil									
% Moisture	1.1	0 1	%	1	EI51420	09/14/05	09/14/05	% calculation	
SB-7 25' (5113010-03) Soil									
% Moisture	2.0	, 01	%	1	EI51420	09/14/05	09/14/05	% calculation	
SB-7 40' (5113010-04) Soil									
% Moisture	1.9	01	%	I	E151420	09/14/05	09/14/05	% calculation	
SB-7 50' (5113010-05) Soil									
% Moisture	0.8	01	%	I	EI51420	09/14/05	09/14/05	% calculation	
SB-7 60' (5113010-06) Soil									
% Moisture	2.7	0 1	%	ı	E151420	09/14/05	09/14/05	% calculation	
SB-8 5' (5113010-07) Soil									
% Moisture	0.2	0 1	%	1	EI51420	09/14/05	09/14/05	% calculation	
SB-8 15' (5113010-08) Soil									
% Moisture	0.2	0 1	%	1	EI51420	09/14/05	09/14/05	% calculation	
SB-8 25' (5113010-09) Soil									
% Moisture	0.5	0 1	%	1	EI51420	09/14/05	09/14/05	% calculation	
SB-8 40' (5113010-10) Soil									
% Moisture	1.0	01	%	1	EI51420	09/14/05	09/14/05	% calculation	

Environmental Lab of Texas

Plains All American EH & S		I	Project Tar	nk 374 10'' S	weet Truck	Haul Line			Fax (432)	687-4914
1301 S County Road 1150 Midland TX, 79706-4476		Project N	5	IS 2005-00 niel Bryant	172				Rеро 09/20/0	
	0	rganics by	y GC - Q	uality Co	ontrol					
		Environ	nental L	ab of Te	xas					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch El51414 - Solvent Extraction (GC)										
Blank (EI51414-BLK1)				Prepared (09/14/05 Ar	nalyzed 09	/15/05			
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	м							
Surrogate 1-Chlorooctane	44.7		mg/kg	50 0		89 4	70-130			
Surrogate 1-Chlorooctadecane	45 2		"	50 0		90 4	70-130			
LCS (EI51414-BS1)				Prepared (09/14/05 Ar	nalyzed 09	/15/05			
Gasoline Range Organics C6-C12	412	10 0	mg/kg wet	500		82 4	75-125			
Diesel Range Organics >C12-C35	436	10 0	"	500		87 2	75-125			
Fotal Hydrocarbon C6-C35	848	10 0	**	1000		84 8	75-125			
Surrogate 1-Chlorooctane	50.9		mg/kg	50 0		102	· 70-130			
Surrogate 1-Chlorooctadecane	50 5		"	50 0		101	70-130			
Calibration Check (EI51414-CCV1)				Prepared (09/14/05 Ar	nalyzed 09	/17/05			
Gasoline Range Organics C6-C12	443		mg/kg	500		88 6	80-120			
Diesel Range Organics >C12-C35	422		"	500		84 4	80-120			
Total Hydrocarbon C6-C35	865		•	1000		86 5	80-120			
Surrogate 1-Chlorooctane	519		"	50 0		104	0-200			
Surrogate 1-Chlorooctadecane	535		"	50 0		107	0-200			
Matrix Spike (EI51414-MS1)	Sou	rce: 5113008	-01	Prepared ()9/14/05 Ar	nalyzed 09	/15/05			
Gasoline Range Organics C6-C12	939	10.0	mg/kg dry	568	289	114	75-125			
Diesel Range Organics >C12-C35	1400	10 0	•	568	721	120	75-125			
Total Hydrocarbon C6-C35	2340	10 0	"	1140	1010	117	75-125			
Surrogate 1-Chlorooctane	614		mg/kg	50 0		123	70-130			
Surrogate 1-Chlorooctadecane	56 5		"	50 0		113	70-130			
Matrix Spike Dup (E151414-MSD1)	Sou	rce: 5113008	-01	Prepared ()9/14/05 Ar	nalyzed 09	/15/05			
Gasoline Range Organics C6-C12	914	10 0	mg/kg dry	568	289	110	75-125	2.70	20	
Diesel Range Organics >C12-C35	1400	10 0	••	568	721	120	75-125	0 00	20	
Fotal Hydrocarbon C6-C35	2310	10 0		1140	1010	114	75-125	1 29	20	
surrogate 1-Chlorooctane	530		mg/kg	50 0		106	70-130		·····	
Surrogate 1-Chlorooctadecane	542		"	50 0		108	70-130			

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 N	Project Tan umber EM anager Dar	S 2005-00		Haul Line			Fax (432) Repo 09/20/0	rted:
······································	0	rganics by		uality Co	ontrol			•••		<u></u>
		Environ		•						
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch E151503 - EPA 5030C (GC)							``			
Blank (EI51503-BLK1)				Prepared &	Analyzed	09/15/05				
Benzene v	ND	0 0250	mg/kg wet							
Foluene	ND	0 0250								
Ethylbenzene	ND	0 0250								
Kylene (p/m)	ND	0 0250								
Xylene (0)	ND	0 0250	"							
Surrogate. a,a,a-Trifluorotoluene	949		ug/kg	100		949	80-120		~~~~~	
urrogate 4-Bromofluorobenzene	873		"	100		873	80-120			
LCS (EI51503-BS1)				Prepared &	Analyzed	09/15/05				
Benzene	96 3		ug/kg	100		96 3	80-120			
Toluene	99.6		**	100		99 6	80-120			
Ethylbenzene	114		"	100		114	80-120			
Kylene (p/m)	215		"	200		108	80-120			
(ylene (o)	114		"	100		114	80-120			
Surrogate a,a,a-Trifluorotoluene	108		"	100		108	80-120			
Surrogate 4-Bromofluorobenzene	103		"	100		103	80-120			
Calibration Check (EI51503-CCV1)				Prepared ()9/15/05 A	nalyzed 09	/16/05			
Benzene	93 8		ug/kg	100		93 8	80-120			
Toluene	93 2		и	100		93 2	80-120			
Ethylbenzene	104			100		104	80-120			
Kylene (p/m)	198		н	200		99 0	80-120			
(v) (v)	106		"	100		106	80-120			
Surrogate a,a,a-Trifluorotoluene	100		"	100		100	0-200			
urrogate. 4-Bromofluorobenzene	100		"	100		100	0-200			
Matrix Spike (EI51503-MS1)	Sou	ırce: 5113010-	-10	Prepared ()9/15/05 A	nalyzed 09	0/16/05			
Benzene	82.2		ug/kg	100	ND	82 2	80-120			
oluene	85 7			100	ND	85 7	80-120			
thylbenzene	96 1		"	100	ND	96 1	80-120			
(ylene (p/m)	185			200	ND	92 5	80-120			
(ylene (o)	97 9		"	100	ND	97 9	80-120			
urrogate a,a,a-Trifluorotoluene	912		"	100		912	80-120			
urrogate 4-Bromofluorobenzene	938		"	100		938	80-120			

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Plains All American E	l & S Projec	Tank 374 10" Sweet Truck Haul Line	Fax (432) 687-4914
1301 S County Road	150 Project Numbe	EMS 2005-00172	Reported:
Midland TX, 79706-44	Project Manage	Daniel Bryant	09/20/05 08.32

Organics by GC - Quality Control

Environmental Lab of Texas

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

Batch EI51503 - EPA 5030C (GC)

Matrix Spike Dup (EI51503-MSD1)	Source: 5	113010-10	Prepared ()9/15/05 A	nalyzed 0	9/16/05		
Benzene	89 2	ug/kg	100	ND	892	80-120	817	20
Toluene	93 8		100	ND	93 8	80-120	9 03	20
Ethylbenzene	108		100	ND	108	80-120	117	20
Xylene (p/m)	206	"	200	ND	103	80-120	10 7	20
Xylene (0)	111	*	100	ND	111	80-120	12 5	20
Surrogate a,a,a-Trifluorotoluene	943	"	100		943	80-120		
Surrogate 4-Bromofluorobenzene	105	"	100		105	80-120		

Environmental Lab of Texas

Plains All American EH & S	Project Tank 374 10	" Sweet Truck Haul Line	Fax (432) 687-4914
1301 S County Road 1150	Project Number EMS 2005-	00172	Reported:
Midland TX, 79706-4476	Project Manager Daniel Bryar	nt	09/20/05 08 32

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch E151420 - General Preparation (Prep)										
Blank (E151420-BLK1)				Prepared &	Analyzed	09/14/05				
% Solids	100		%							
Duplicate (EI51420-DUP1)	Source	e: 5113009-01		Prepared &	Analyzed	09/14/05				
% Solids	96 2		%		97 6			1.44	20	
Duplicate (EI51420-DUP2)	Source	e: 5113010-04		Prepared &	Analyzed	09/14/05				
% Solids	98 1		%		98 1			0 00	20	
Duplicate (EI51420-DUP3)	Source	e: 5114002-03		Prepared &	Analyzed	09/14/05				
% Solids	99 9		%		99 9			0 00	20	

.

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Reported: 09/20/05 08 32

Notes and Definitions

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	Duphcate

Report Approved By:	Date:	9/20/2005

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

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas Page 11 of 11

it is glass on ite will have to get TAT bisbriet2 SWEET Project #. KM5' 2005 - 00132 eluberto2-erg) TAT H2US 12015 50% (0) contor RRYAN T Temperature Upon Recerpt 3,0,0 50 タイ しょう ernma@ (ato) POUNT MAUL W.8.0 103 Sample Containers Intact? Laboratory Comments: BLEX COSI BIED ervieuv A Project Name: TRHEK 6011Ctonulos PO# MAR solatio Project Loc: LEA nerais: As Ag Ba Cd Cr Pb Hg Se 10 P DIAL DED / 46E / 846 Niona (CI, SO4, CO3, HCO3) (N .eN . 6M .e.) shore: 2021 Time Time 1565 8001 5001 (WE108 1.815 HH ٤ 5/03/ C ORIGINAL Cither (specify): (2/28/205 94 Minin + 9-13-05 elprig Date Defe XADEAV Fair No: (505) 396-1429 (Vhoode) 1990 onoN **'**05'H Preservati HOPN IOH Pricy read CONH 93) No. of Containers 1 1 2 4122 Ø848 \$925 0859 \$926 \$932 1015 1636 1 \$28 1022 beiqme2 emil Received by ELO P3260 SEP SNOS 2005 Received by. Y Y Y belgmed elsed يد 20 OVINGTON NM 9/13/15/15:05 200 10000 ENV (ine BOX 301 KETTON Telephone No: (505) HHL-5 25000 Date FIELD CODE BASZN 15, 6 50 25 7 35 15 HØ. Ìr id Project Manager: KEN Company Address: 20 58-9 53-7 58-7 55-7 58-7 S 8-8 SB-8 TO2 15/3-2 SB-8 <u>58-8</u> Company Name City/State/Zip: Sampler Signature: -DOL p \$ 0 Ş Ş ç Special Instructions: Ś AB # (fab use only) ŻŻ.

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Environmental Lab of Texas I, Ltd.

Phone: 915-563-1800 Fax: 915-563-1713

12600 West I-20 East Odessa, Texas 79763

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

Client:	Plains P/L
Date/Time	9: 09-13-05 @ 1505
Order #:	51 13010
Initials:	JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	3.0 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?	res,	No	
Chain of Custody signed when relinquished and received?	Yes)	No i	
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?	(es)	No	
Samples in proper container/bottle?	(es)	No	
Samples properly preserved?	(Ves)	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?	Ves>	No	
All samples received within sufficient hold time?	(es)	No	
VOC samples have zero headspace?	Nes)	No	Not Applicable

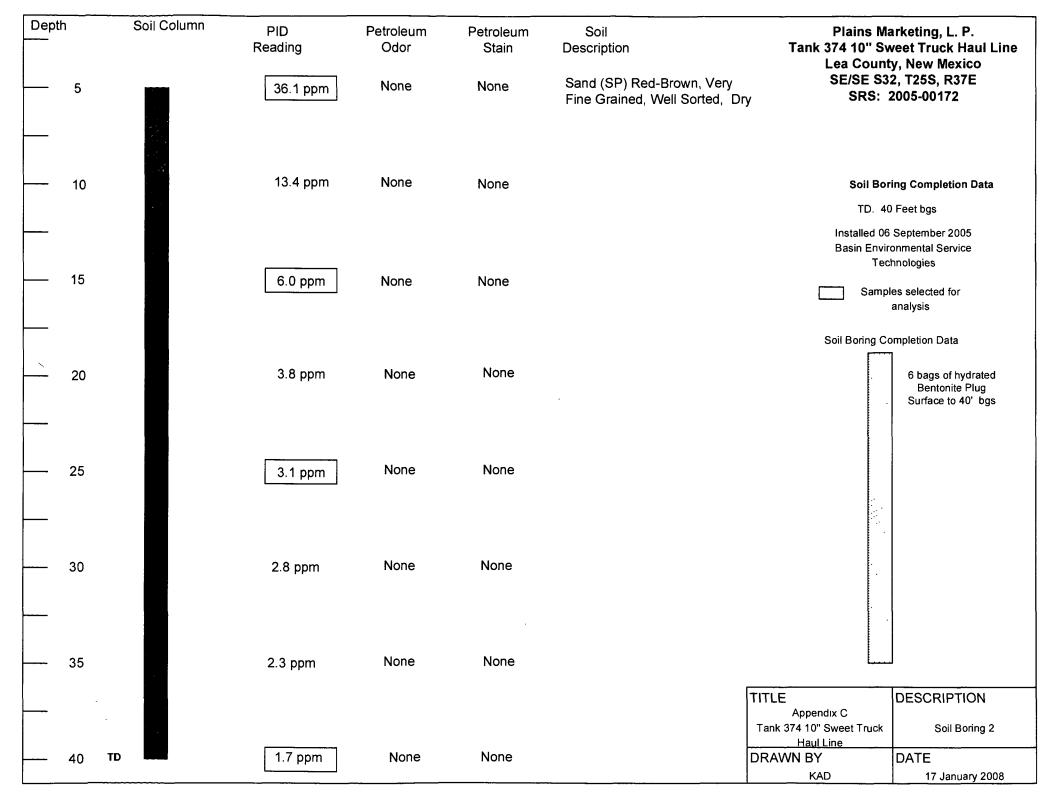
Other observations:

Variance Documentation:

Contact Person: Regarding:	Date/Time:	Contacted by:	
Corrective Action Taken:			
			NAPONA POLICY CONTRACTOR
			وموجودة المتكرين وتواري فتقاوره
	 		P
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		· «	

and the second second

Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description		Marketing, L. P.
5		1106 ppm	Heavy	None	Sand (SM), Red-Brown, Very Fine Graın, Well Sorted, Dry	Lea Cou SE/SE S	Sweet Haul Truck Line nty, New Mexico 532, T25S, R37E
10 [°]		960 ppm	Heavy	None		SRS	2005-00172
		492 ppm	Heavy	None			
20		833 ppm	Heavy	None		Soil Boring Completion	on Data
		751 ppm	Heavy	None		TD: 100 Feet bgs Installed 06 September	- 2005
30		280 ppm	Heavy	None		Basin Environmental S Technologies	ervice
		401 ppm	Heavy	None		Samples selected analysis	for
40		90 3 ppm	Heavy	None			
		56.6 ppm	Heavy	None		Soil Boring Complet	ion Data
50		63.1 ppm	Slight	None			20 bags of hydrated Bentonite Plug Surface to
		106 ppm	Slight	None			100 ' bgs
60		87.7 ppm	Slight	None			
		160 ppm	Slight	None			
70		221 ppm	Slight	None			
		85.1 ppm	Slight	None			
80		165 ppm	Slight	None			
		183 ppm	Slight	None			
90		167 ppm	Slight	None		TITLE Appendix C	DESCRIPTION
		41.8 ppm	Slight	None		Tank 374 10" Sweet Truck Haul Line	Soil Boring 1
100		102 ppm	Slight	None		DRAWN BY KAD	DATE 17 January 2008



Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	Tank 374 10" Lea Cou	Marketing, L. P. Sweet Haul Truck Line Inty, New Mexico S32, T25S, R37E
							: 2005-00172
5		841 ppm	Moderate	None	Sand (SM), Red-Brown, Very Fine Grain, Well Sorted, Dry		
						Soil Boring Completi TD: 60 Feet bgs	on Data
						Installed 07 Septembe	r 2005
10		745 ppm	Moderate	None		Basin Environmental S Technologies	
						Samples selected	l for
		910 ppm	Moderate	None		analysis	
20		821 ppm	Moderate	None		Soil Borng Comple	tion Data
		630 ppm	Moderate	None			09 bags of hydrated Bentonite Plug Surface to
30		735 ppm	Moderate	None			60 ' bgs
		579 ppm	Slight	None			
40		282 ppm	Slight	None			
		88.1 ppm	Slight	None			
50		38.1 ppm	Slight	None			
		28.1 ppm	Slight	None			
 60		18.9 ppm	Slight	None			
			Sign			TITLE Appendix C Tank 374 10" Sweet Truck	DESCRIPTION
						Haul Line	Soil Boring 3
						DRAWN BY	DATE
						KAD	17 January 2008

Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	Tank 374 10" Sv	arketing, L. P. veet Truck Haul Line v. New Mexico	
5		6.1 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry	Lea County, New Mexico SE/SE S32, T25S, R37E SRS: 2005-00172		
10		3.9 ppm	None	None			ing Completion Data	
		·				Installed 07 Basin Envir) Feet bgs September 2005 onmental Service hnologies	
— 15 —		12.9 ppm	None	None			les selected for analysis	
20		9.6 ppm	None	None		Soil Boring C	ompletion Data 6 bags of hydrated Bentonite Plug Surface to 40' bgs	
25		9.4 ppm	None	None				
30		8.6 ppm	None	None				
— 35		7.8 ppm	None	None				
					, Та	LE Appendix C ank 374 10" Sweet Truck Haul Line	DESCRIPTION Soil Boring 4	
س 40 T		2.8 ppm	None	None	DR	KAWN BY	DATE 17 January 2008	

Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	Tank 374 10" Sv	arketing, L. P. veet Truck Haul Line vy, New Mexico
5		2.4 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry	SE/SE S3	2, T25S, R37E 2005-00172
10		3.4 ppm	None	None			ing Completion Data
						Installed 07 Basin Envir) Feet bgs September 2005 onmental Service hnologies
— 15 —		3.6 ppm	None	None			les selected for analysis ompletion Data
<u> </u>		2.0 ppm	None	None			6 bags of hydrated Bentonite Plug Surface to 40' bgs
25		2.1 ppm	None	None			
— 30 —		2.1 ppm	None	None			
— 35		1.6 ppm	None	None			
		A .5			1	ITLE Appendix C Fank 374 10" Sweet Truck Haul Line	DESCRIPTION Soil Boring 5
40	TD TD	3.5 ppm	None	None	D	RAWN BY KAD	DATE 17 January 2008

Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	Tank 374 10" \$	Marketing, L. P. Sweet Haul Truck Line
	782 ppm	Heavy	Heavy	Sand (SM), Black, Very Fine Grain, Well Sorted, Moist	SE/SE S	nty, New Mexico 532, T25S, R37E : 2005-00172
	675 ppm	Heavy	Heavy	Sand (SM), Dark Brown, Very Fine Grain, Well Sorted, Damp		
	810 ppm	Heavy	Moderate	Sand (SM), Brown, Very Fine Grain, Well Sorted, Damp	Soil Boring Completion TD: 80 Feet bgs	
	736 ppm	Heavy	None	Sand (SM), Red-Brown, Very Fine Grain, Well Sorted, Damp	Installed 07 September Basin Environmental S Technologies	
	989 ppm	Heavy	None		Samples selected analysis	for
	768 ppm	Heavy	None		Soil Boring Complet	tion Data
	1105 ppm	Heavy	None			12 bags of hydrated Bentonite Plug Surface to
	115 ppm	Heavy	None			80 ' bgs
	130 ppm	Heavy	None			
	123 ppm	Heavy	None			
	134 ppm	Heavy	None			
	89.9 ppm	Heavy	None			
	62.7 ppm	Slight	None			
	22.1 ppm	Slight	None			
	18.9 ppm	Slight	None		TITLE Appendix C Tank 374 10" Sweet Truck	DESCRIPTION
						Soil Boring 6
TD	42 1 ppm	None	ivone			DATE 17 January 2008
	TD	782 ppm 675 ppm 810 ppm 736 ppm 989 ppm 768 ppm 1105 ppm 1105 ppm 130 ppm 130 ppm 134 ppm 89.9 ppm 62.7 ppm 22.1 ppm 18.9 ppm	782 ppmHeavy675 ppmHeavy810 ppmHeavy736 ppmHeavy989 ppmHeavy768 ppmHeavy1105 ppmHeavy1105 ppmHeavy130 ppmHeavy131 ppmHeavy132 ppmHeavy123 ppmHeavy134 ppmHeavy89.9 ppmHeavy513 ppmSlight18.9 ppmSlight18.9 ppmSlight	782 ppmHeavyHeavy675 ppmHeavyHeavy810 ppmHeavyModerate736 ppmHeavyNone989 ppmHeavyNone989 ppmHeavyNone105 ppmHeavyNone1105 ppmHeavyNone115 ppmHeavyNone130 ppmHeavyNone123 ppmHeavyNone134 ppmHeavyNone89.9 ppmHeavyNone123 ppmSlightNone134 ppmSlightNone89.9 ppmSlightNone18.9 ppmSlightNone18.9 ppmSlightNone42 1 ppmNoneNone	T82 ppmHeavyHeavySand (SM), Black, Very Fine Grain, Well Sorted, Moist675 ppmHeavyHeavySand (SM), Dark Brown, Very Fine Grain, Well Sorted, Damp810 ppmHeavyModerateSand (SM), Brown, Very Fine Grain, Well Sorted, Damp736 ppmHeavyNoneSand (SM), Red-Brown, Very Fine Grain, Well Sorted, Damp989 ppmHeavyNoneSand (SM), Red-Brown, Very Fine Grain, Well Sorted, Damp989 ppmHeavyNone1105 ppmHeavyNone115 ppmHeavyNone122 ppmHeavyNone134 ppmHeavyNone62.7 ppmSightNone18.9 ppmSightNone18.9 ppmSightNone14.1 ppmSightNone14.2 ppmSightNone	782 ppm Heavy Sand (SM), Black, Very Fine Grain, Well Sorted, Moist Sand (SM), Dark Brown, Very Fine Grain, Well Sorted, Damp Soil Boring Completing Sorted, Damp 810 ppm Heavy Moderate Sand (SM), Back Brown, Very Fine Grain, Well Sorted, Damp Soil Boring Completing TO: 80 Feet back 736 ppm Heavy None Sand (SM), Red-Brown, Very Fine Grain, Well Soil Boring Completing TO: 80 Feet back 989 ppm Heavy None Sand (SM), Red-Brown, Very Fine Grain, Well TD: 80 Feet back 989 ppm Heavy None Soil Boring Completing Technologies 105 ppm Heavy None Soil Boring Completing Soil Boring Completing 1105 ppm Heavy None Soil Boring Completing Soil Boring Completing 1105 ppm Heavy None Soil Boring Completing Soil Boring Completing 1105 ppm Heavy None Soil Boring Completing Soil Boring Completing 1130 ppm Heavy None None TTLE Appendix C 123 ppm Heavy None TTLE Appendix C 123 ppm Slight None TTLE Appendix C 183 ppm <t< td=""></t<>

Depth	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	Tank 374 10" Lea Cou SE/SE \$	Marketing, L. P. Sweet Haul Truck Line nty, New Mexico 532, T25S, R37E : 2005-00172
5		1311 ppm	Heavy	None	Sand (SM), Red-Brown, Very Fine Grain, Well Sorted, Dry		
						Soil Boring Completi TD 60 Feet bgs	on Data
10		782 ppm	Moderate	None		Installed 08 Septembe Basin Environmental S Technologies	
_		982 ppm	Moderate	None		Samples selected analysis	i for
20		792 ppm	Moderate	None		Soil Boring Comple	tion Data
		783 ppm	Moderate	None			09 bags of hydrated Bentonite Plug Surface to 60 ' bgs
— 30 —		- 814 ppm	Moderate	None			00 bgs
. <u></u>		160 ppm	Moderate	None			
— 4 0		68.7 ppm	Slight	None			
		53.8 ppm	Slight	None			
- 50		35.4 ppm	Slight	None			
		15.8 ppm	Slight	None			
60	тр	15.4 ppm	Slight	None		TITLE Appendix C Tank 374 10" Sweet Truck Haul Line	DESCRIPTION Soil Boring 7
						DRAWN BY	DATE
						KAD	17 January 2008

Depth 	Soil Column	PID Reading	Petroleum Odor	Petroleum Stain	Soil Description	Tank 374 10" Sv	arketing, L. P. veet Truck Haul Line y, New Mexico	
5		2.6 ppm	None	None	Sand (SP) Red-Brown, Very Fine Grained, Well Sorted, Dry	SE/SE S32, T25S, R37E		
— 10		2.5 ppm	None	None			ing Completion Data) Feet bgs	
— 15		1.9 ppm	None	None	ĸ	Installed 08 Basin Envir Tec	September 2005 onmental Service hnologies les selected for analysis	
— — 20		1.6 ppm	None	None	、	Soil Boring C	ompletion Data 6 bags of hydrated Bentonite Plug Surface to 40' bgs	
25 		1.5 ppm	None	None				
— 30 —		1.5 ppm	None	None				
— 35		0.9 ppm	None	None				
_						TLE Appendix C ank 374 10" Sweet Truck Haul Line	DESCRIPTION Soil Boring 8	
— 40 т	D 	0.8 ppm	None	None	D	RAWN BY KAD	DATE 17 January 2008	

.





July 27, 2005

Mr. Larry Johnson New Mexico Oil Conservation Division Environmental Bureau 1625 N. French Drive Hobbs, New Mexico 88240

RE: C-141 and Site Information Tank #374 10" S32, T25S, R37E Unit Letter P Lea County, NM Landowner: Plains All American

Dear Mr. Johnson:

Enclosed is the C-141 for the above referenced site. Plains Pipeline had a release of 30 bbls of crude oil on 7/25/05 on a 10" steel pipeline outside of Plains' Jal Tank Farm. 20 bbls of crude oil was recovered and reintroduced to the pipeline system. Basin Environmental from Lovington will be performing environmental remediation activities under Plains Pipeline authorization.

If you have any questions or require further information, please contact me at (432) 557-5865

Thank you,

Daniel Bryant Environmental & Regulatory Compliance Specialist Office: 432-686-1769 Cell: 432-557-5865 dmbryant@paalp.com



State of New Mexico Energy Minerals and Natural Resources

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

Lease No.

Release Notification and	Corrective	Action
6 B B		·····

		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	Jal Tank Farm	Facility Type Tank Farm		

Surface Owner Plains All American Mineral Owner

LOCATION OF RELEASE

Unit Letter P	Section 4	Township 26S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
-								

Latitude N32° 04' 53" Longitude W103° 10' 34"

NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 20 bbls	Volume Recovered 10 bbls				
Source of Release 10" poly line	Date and Hour of Occurrence	Date and Hour of Discovery				
	06/27/2005 13:30	06/27/2005 13:40				
Was Immediate Notice Given?	If YES, To Whom?					
Yes 🗋 No 🗋 Not Required	Paul Sheeley					
By Whom? Daniel Bryant	Date and Hour 06/27/2005 15:35					
Was a Watercourse Reached?	If YES, Volume Impacting the Wate	ercourse.				
🗌 Yes 🖾 No						
If a Watercourse was Impacted, Describe Fully.*	·					
Describe Cause of Problem and Remedial Action Taken.*						
Degradation of a poly line caused the release of sweet crude oil into the fin	rewall of tank #374 of the Plains Jal ta	ink farm. Line was removed from service				
until replacement. Pressure of the line runs 25 lbs and the gravity runs 42						
15,000 bbls per month.						
		l l				
Describe Area Affected and Cleanup Action Taken.* All of the released crude oil was contained inside the firewall of tank #374. Excavated soil will be						
remediated per NMOCD guidelines.						
-						
I hereby certify that the information given above is true and complete to the	the best of my knowledge and understa	nd that pursuant to NMOCD rules and				
regulations all operators are required to report and/or file certain release no	otifications and perform corrective act	tions for releases which may endanger				
public health or the environment. The acceptance of a C-141 report by the	NMOCD marked as "Final Report" of	does not relieve the operator of liability				
should their operations have failed to adequately investigate and remediate	e contamination that pose a threat to g	round water, surface water, human health				
or the environment. In addition, NMOCD acceptance of a C-141 report do federal, state, or local laws and/or regulations.	bes not relieve the operator of respons	ionity for compliance with any other				
	OH CONSEDU	ATION DIVISION				
	<u>OIL CONSERV</u>					
Signature: DD		Ohnson				
Printed Name: Daniel Bryant		IN IAL ENGINEER				
	1	_				
	Approval Date: (ICB.01	Expiration Date: 2.29.08				
E-mail Address: dmbryant@paalp.com	Conditions of Approval:	· · · ·				
	or Approval.	Attached				
Date: Phone: (432) 557-5865	E					
Attach Additional Sheets If Necessary	Clorit	2) 1/1/1/10				
	104	$= / KV^{\prime} / Ubl$				

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised October 10, 2003

Final Report

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

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Release Notification and Corrective Action

OPERATOR

Name of Company	Plains Pipeline, LP	Contact Daniel Bryant
Address	P.O. Box 3119 - Midland, Tx 79702	Telephone No. (432) 557-5865
Facility Name	Jal Tank Farm	Facility Type Tank Farm

Surface Owner Plains All American / Joyce Willis Mineral Owner

Lease No.

Initial Report

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
Р	32	258	37Ē					Lea
M	33	25S	37E					

Latitude N32° 04' 52.1" Longitude W103° 10' 35.1"

NATURE OF RELEASE

Type of Release Sweet Crude Oil	Volume of Release 20 bbls	Volume Recovered 10 bbls			
Source of Release 10" Sweet Truck Haul Line	Date and Hour of Occurrence 07/13/2005 15:00	Date and Hour of Discovery 07/13/2005 15:40			
Was Immediate Notice Given?	If YES, To Whom?				
X Yes 🗌 No 🗍 Not Requir					
By Whom? Daniel Bryant		05 (left message)			
Was a Watercourse Reached?	If YES, Volume Impacting the W	atercourse.			
🗋 Yes 🖾 No	·	25 (left message) /atercourse.			
If a Watercourse was Impacted, Describe Fully.*		Ven			
,					
Describe Cause of Problem and Remedial Action Taken.*					
runs 25 lbs and the gravity runs 42 $@ 112^{\circ}$. H ₂ S content is <10 ppm. approximately 2.5' at the release source.	Throughput on the line is approximate	ly 15,000 bbis per month. Line depth is			
Describe Area Affected and Cleanup Action Taken.* . Site is being investigated to determine extent of impact. Impacted soil will be remediated per NMOCD guidelines.	- ,				
I hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and rement or the environment. In addition, NMOCD acceptance of a C-141 report federal, state, or local laws and/or regulations.	e notifications and perform corrective a the NMOCD marked as "Final Report diate contamination that pose a threat to	actions for releases which may endanger does not relieve the operator of liability ground water, surface water, hum and the			
	OIL CONSER	WATION DIVISION			
Simon Nail R. L		- Other Server			
Signature: Dan Byst		MENTAL ENGINEER			
Printed Name: Daniel Bryant	Approved by District SENHURSON				
Title: Environmental R/C Specialist	Approval Date: ((. 28 . 37	Expiration Date: 2.7%.08			
E-mail Address: dmbryant@paalp.com	Conditions of Approval:				
1 1	Conditions of Approvat:	Attached			
Date: 7 22 05 Phone: (432) 557-5865		\neg			
Attach Additional Sheets If Necessary		1 official			
	(Zof:	()) + (0)			

rench Dr., Hobbs, NM 88240

W. Grand Avenue, Artesia, NM 88210 Criet III.

NO Rio Brazos Road, Aztec, NM 87410

istrict 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

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Release Notification and Corrective Action

			OPERAT (OR	🛛 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	Jal Tank Farm		Facility Type	Tank Farm		
Surface Owner Plains	All American	Mineral Owner			Lease No.	

LOCATION OF RELEASE

Unit Lette P	r Section 32	Township 25S	Range 37E	Feet from the	North/South Line	Feet from the	East/West Line	County Lea
					•			,

Latitude N32° 04' 52.1" Longitude W103° 10' 35.1"

NATURE OF RELEASE

Volume of Release 30 bbls

Type of Release Sweet Crude Oil	Volume of Release 30 bbls	Volume Recovered 20 bbls
Source of Release 10" Truck Haul Line	Date and Hour of Occurrence	Date and Hour of Discovery
	07/25/2005 07:00	07/25/2005 07:30
Was Immediate Notice Given?	If YES, To Whom?	
Yes 🗋 No 🗋 Not Required	Larry Johnson	
By Whom? Daniel Bryant	Date and Hour 07/26/2005 09:1	5 (left message)
Was a Watercourse Reached?	If YES, Volume Impacting the Wat	ercourse.
🗌 Yes 🖾 No		

If a Watercourse was Impacted, Describe Fully,*

Describe Cause of Problem and Remedial Action Taken.*

Internal corrosion caused the release of sweet crude oil at the Plains Jal tank farm. Release occurred while line was excavated for pipeline replacement. Pressure of the line runs 25 lbs and the gravity runs 42 @ 112°. H2S content is <10 ppm. Throughput on the line is approximately 15,000 bbls per month. Line depth is approximately 2.5' at the release source.

Describe Area Affected and Cleanup Action Taken.* . Released crude oil was contained within the pipeline excavation trench. Impacted soil will be remediated per NMOCD guidelines.

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: Nemil But		VATION DIVISION	
Printed Name: Daniel Bryant	Approved by District Stratyter()	MENTAL ENGINEER	:
Title: Environmental R/C Specialist	Approval Date: 11.78.07	Expiration Date: 2-29.08].
E-mail Address: dmbryant@paalp.com	Conditions of Approval:	Attached []	
Date: 7/27/05 Phone: (432) 557-5865 Attach Additional Sheets If Necessary	(3053	s) ROTFIG	68