CLOSURE REPORT

VACUUM TO JAL 14" MAINLINE #6
PLAINS REF: 2003-00135
COMPANY #231735

SW¼ OF THE SE¼ OF SECTION 25,
TOWNSHIP 23 SOUTH, RANGE 37 EAST
~12 MILES NORTHEAST (15.4°) OF
JAL, LEA COUNTY, NEW MEXICO
LATITUDE: N32° 16' 06.76" LONGITUDE: W103° 06' 49.57"

JUNE 2006

PREPARED BY:

ENVIRONMENTAL PLUS, INC.
2100 AVENUE O
EUNICE, NEW MEXICO 88231

PREPARED FOR:

PLAINS
ALL AMERICAN

application pPAC0603052632 RP#372

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STANDARD OF CARE

Closure Report
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #6
Ref. # 2003-00135
(Company #231735)

The information provided in this report was collected consistent with the New Mexico Oil Conservation Division (NMOCD) *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993), the NMOCD *Unlined Surface Impoundment Closure Guidelines* (February 1993), and the Environmental Plus, Inc. (EPI) *Standard Operating Procedures and Quality Assurance/Quality Control Plan*. The conclusions are based on field observations and laboratory analytical reports as presented in the report. Recommendations follow NMOCD guidance and represent the professional opinions of EPI staff. These opinions were arrived at with currently accepted geologic, hydrogeologic and engineering practices at this time and location. The report was prepared or reviewed by a certified or registered EPI professional with a background in engineering, environmental and/or the natural sciences.

This report was prepared by:

Pat W. McCasland
Senior Environmental Consultant

July 6, 2006
Date

This report was reviewed by:

Iain A. Olness, P.G.
Technical Manager

10 July 2006
Date

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1.0 SUMMARY

The Vacuum to Jal 14" Mainline #6 release site is located in UL-O (SW¼ of the SE¼) of Section 25, Range 37 East (R37E), Township 23 South (T23S) at a latitude of 32° 16' 06.76"N and a longitude of 103° 06' 49.57"W. This site is located approximately 12 miles northeast of Jal, New Mexico on property owned by the State of New Mexico (reference *Figures 1 and 2*). The estimated 450 barrel (bbls) crude oil release occurred on May 23, 2004 from the 14-inch steel pipeline and was attributed to internal corrosion. Approximately 270 bbls of crude oil were recovered and reintroduced to the system. Approximately 39,800 square feet (ft^2) of pasture land were impacted due to the release (reference *Figure 3*). Because the site is located on the eastern slope of the Monument Draw, a major drainage (non-throughgoing) feature within southern Lea County, the National Response Center was notified on May 24, 2003 and recorded by Nowak on report #645926. There are no surface water bodies observed to be located within a 1,000-foot radius of the site. During the preliminary investigation, groundwater was estimated to occur at approximately 33-feet below ground surface (bgs) and was based on United States Geological Survey (USGS), New Mexico Oil Conservation Division (NMOCD) and New Mexico Office of the State Engineer groundwater level information (reference *Table 1*). The New Mexico Office of the State Engineer groundwater well database does not have record of any wells in Section 25 or the adjacent Sections in R37E/T23S (reference *Appendix II*). The NMOCD groundwater well database lists the nearest groundwater well as a livestock watering windmill well #3151 located approximately 0.8 miles west of the site at an elevation of approximately 3,239-feet amsl with a 1976 groundwater level of 65.5-feet bgs. There are no water wells listed or observed to be within a 1,000-foot radius of the site. This results in a site ranking of 40 points within the NMOCD ranking system, which applies the following remedial guidelines:

CONSTITUENTS/CONTAMINANTS OF CONCERN	REMEDIAL GOAL
Benzene	10 mg/Kg
BTEX (mass sum of benzene, toluene, ethylbenzene, and xylenes	50 mg/Kg
Total Petroleum Hydrocarbon 8015m (TPH)	100 mg/Kg

In May 2003, eleven soil borings were advanced and samples collected to determine the vertical extent of contamination due to the release (reference *Figure 4*). During delineation activities, site lithology was defined as fine sand to a depth of approximately 7 to 14 feet bgs. The sand is underlain by a one-foot thick layer of medium to coarse gravel, which in turn is underlain by red clay to a depth of at least 25-feet bgs in the vicinity of soil boring BH-5. Soil samples collected during the advancement of the soil borings were observed to be dry. Crude oil impact graded from the surface, near the leak origin, down to 20-feet bgs in the lower pooling areas with the longest residence times.

Remediation of the site began in May 2004. The remediation strategy consisted of excavating crude oil impacted soils and transferring to the soil landfarm established at the Plains Vacuum to Jal 14" Mainline #1 site, located approximately 0.5-mile north of the Vacuum to Jal 14" Mainline #6 site. During remediation of the visibly impacted surface area, additional impacted soil

associated with a network of rodent burrows was discovered and designated as the Rodent Burrow Flowpath (reference *Appendix III* and *Figures 6* and *7*). A total of approximately 15,850 cubic yards (yd^3) of soil were excavated and spread in the land treatment area associated with the Plains Vacuum to Jal 14" Mainline #1 remediation site.

Compliance with NMOCD soil remediation standards for the site were verified by laboratory analysis of soil samples collected from the floor and sides of the excavated areas. To ensure samples were representative, sample points were selected at approximately 50-foot lateral intervals along the flowpaths. Sampling events occurred on May 14, 18, and 20; June 8, 10, and 16; July 12, 13 and 14; and August 3 and 10, 2004 and were followed by removal (where necessary) of soil identified as being in excess of the remedial goals. The final sampling event occurred on August 20, 2004 and focused on vertical delineation of the #17 sample location in the south bottom of the northwest flowpath. Impacted soil to a depth of 19-feet bgs was removed. Benzene and BTEX concentrations in the sample collected at the 20-feet bgs were below NMOCD remedial goals and deemed acceptable; however, the TPH concentration was 256 mg/Kg, in excess of the 100 mg/Kg remedial goal. The NMOCD agreed the residual TPH would not be capable of impacting area groundwater and does not present an environmental risk or affect revegetation of the surface. The NMOCD subsequently permitted Plains to leave the limited area of impacted soil in place. With NMOCD and landowner consensus, the excavated area was backfilled with local clean soil obtained from the unvegetated hummocks located east and west of the site. Additional soil was hauled in from the unvegetated above grade hummocks adjacent and west of the Plains Vacuum to Jal 14" Mainline #1 site approximately 0.5 miles to the north. The surface was contoured to the natural grade and reseeded.

The information contained in this report documents remediation of the Vacuum to Jal 14" Mainline #6 release site consistent with the NMOCD guidelines. Plains requests the NMOCD require no further action at this site and issue a "no further action required" letter to Plains.

2.0 ENVIRONMENTAL MEDIA CHARACTERIZATION

Chemical parameters of the soil and groundwater were characterized consistent with the characterization and remediation/abatement goals and objectives set forth in the NMOCD approved *General Work Plan for Remediation of E.O.T.T. Pipeline Spills, Leaks and Releases in New Mexico*, (July 2000) and the NMOCD guidelines published in the following documents:

- *Guidelines for Remediation of Leaks, Spills and Releases* (August 13, 1993)
- *Unlined Surface Impoundment Closure Guidelines* (February 1993)

Acceptable thresholds for contaminants were determined based on the NMOCD Ranking Criteria as follows:

- Depth to groundwater, (i.e., distance from the lower most acceptable concentration to the groundwater);

- Wellhead Protection Area, (i.e., distance from fresh water supply wells); and
- Distance to Surface Water Bodies, (i.e., horizontal distance to all down gradient surface water bodies).

2.1 GEOLOGICAL DESCRIPTION

The USGS Ground-Water Report 6 (Nicholson and Clebsch)[1] describes the near surface geology of southern Lea County as an intergrade of the Quaternary Alluvium (QA) sediments (i.e., fine to medium sand) with the mostly eroded Cenozoic Ogallala (CO) formation. Nicholson and Clebsch describe the Monument Draw as a major drainage feature within southern Lea County and is not a through-going drainage course. They also state, "The draw is partly filled, primarily by dune sand and alluvium; and it is densely overgrown in many places with vegetation.", which is the case at the Vacuum to Jal 14" Mainline #6 release site.

2.2 ECOLOGICAL DESCRIPTION

The area is typical of the Upper Chihuahuan Desert Biome consisting primarily of hummocky sand hills covered with Harvard Shin Oak (Querqus harvardi) interspersed with Honey Mesquite (Prosopis glandulosa) along with typical desert grasses and weeds. Mammals represented, include Orrd's and Merriam's Kangaroo Rat, Deer Mouse, White Throated Wood Rat, Cottontail Rabbit, Black Tailed Jackrabbit and Mule Deer. Reptiles, amphibians and birds are numerous and typical of area. A survey of listed, threatened and/or endangered species was not conducted.

2.3 AREA GROUNDWATER

During the preliminary investigation, groundwater was estimated to occur at approximately 33-feet below ground surface (bgs) and was based on United States Geological Survey (USGS), New Mexico Oil Conservation Division (NMOCD) and New Mexico Office of the State Engineer groundwater level information (reference *Table 1*). However, during site delineation and excavation activities, site lithology was defined as fine sand to a depth of approximately 7 to 14 feet bgs. The sand is underlain by a one-foot thick layer of medium to coarse gravel, which in turn is underlain by red clay to a depth of at least 25-feet bgs in the vicinity of soil boring BH-5. Soil samples collected during the advancement of the soil borings were observed to be dry. The nearest water well to the site is the groundwater monitoring well at the Plains Vacuum to Jal 14" Mainline #1 release site, in the middle of the drainage feature. This well was installed in February 2003 and is approximately 0.5-mile north of the Vacuum to Jal 14" Mainline #6 release site. The lithology at the Vacuum to Jal 14" Mainline #1 release was defined as a fine sand from the surface down to a depth of 15-feet bgs with red clay from 15 to a depth of 37-feet bgs. No measurable amounts of groundwater have been detected in the groundwater monitoring well since installation. Given the presence of the confining clay interbed and the lack of overlying saturation, it

[1] Alexander Nicholson, Jr. and Alfred Clebsch, Jr., "Ground-Water Report 6, Geology and Ground-Water Conditions in Southern Lea County, New Mexico," United States Geological Survey, 1961, pp. 13 and 50.

is reasonable to conclude that a shallow unconfined groundwater aquifer is not present beneath the site.

2.4 AREA WATER WELLS

The New Mexico Office of the State Engineer groundwater well database does not have record of any wells in Section 25 or the adjacent Sections in R37E/T23S (reference *Appendix II*). The USGS groundwater well database lists the nearest groundwater well as a livestock watering windmill well #3151, located approximately 0.8 miles west of the site at an elevation of approximately 3,239-feet amsl. It is listed as having a groundwater level of 65.5-feet bgs in 1976. There are no water wells, listed or observed, within a 1,000-foot radius of the site.

2.5 AREA SURFACE WATER BODIES

The release site is located in the Monument Draw described by Nicholson and Clebsch as a major drainage feature within southern Lea County and is not a through-going drainage course. Even though there are no permanent or intermittent bodies of surface water present in the draw within a radius of 1,000-feet of the release site, the rules state such drainage features are to be considered as bodies of surface water.

3.0 NMOCD SITE RANKING

Based on the proximity of the site to protectable area water wells, surface water bodies, and the estimated depth to groundwater, the site has an NMOCD ranking score of 40 points with the soil remedial goals highlighted below in the Site Ranking Matrix.

1. Groundwater	2. Wellhead Protection Area	3. Distance to Surface Water Body
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or;<200' from private domestic water source: *20 points*	<200 horizontal feet: *20 points*
If Depth to GW 50 to 99 feet: *10 points*		200-100 horizontal feet: *10 points*
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or; >200' from private domestic water source: *0 points*	>1000 horizontal feet: *0 points*
Site Rank (1+2+3) = 20 + 0 +20 = 40 points		

Total Site Ranking Score and Acceptable Remedial Goal Concentrations			
Parameter	**>19**	10-19	0-9
Benzene[1]	**10 ppm**	10 ppm	10 ppm
BTEX[1]	**50 ppm**	50 ppm	50 ppm
TPH	**100 ppm**	1000 ppm	5000 ppm

4.0 INITIAL SITE DELINEATION

In May 2003, eleven soil borings were advanced and samples collected to delineate the vertical extents of contamination due to the release (reference *Figure 4*). For sample control purposes, the site was initially divided into the Leak Origin, East Flowpath, Northwest Flowpath, South Flowpath North of Fence, South Flowpath South of Fence, and the Southeast Flowpath (reference *Figure 3*). The soil borings were advanced with a trailer mounted hollow-stem auger drill rig and discrete soil samples collected with a vinyl sleeved stainless steel soil probe through the

hollow-stem auger at 5-foot vertical intervals beginning at the surface. Each sample was logged, removed from the vinyl sleeve, immediately jarred, placed on ice and submitted to an independent laboratory for TPH and BTEX analysis. The remainder of the sample was placed in a Ziplock® bag, allowed to equilibrate to 70 to 75°F and the headspace surveyed for organic vapors using a calibrated photoionization detector (PID) equipped with a 9.8 electron volt (eV) lamp. Sampling ceased in each soil boring after obtaining two consecutive PID readings of less than 50 parts per million (ppm).

4.1 SITE LITHOLOGY

However, during site delineation and excavation activities, site lithology was defined as fine sand to a depth of approximately 7 to 14 feet bgs. The sand is underlain by a one-foot thick layer of medium to coarse gravel, which in turn is underlain by red clay to a depth of at least 25-feet bgs in the vicinity of soil boring BH-5. Soil samples collected during the advancement of the soil borings were observed to be dry (reference *Table 2*).

4.2 RODENT BURROW DELINEATION

Soil boring BH9 was advanced inside the perimeter of a small isolated crude oil stain observed approximately 50-feet east of the main pooling area. The stain was not contiguous with the surface spill area nor did it appear to be associated with the disturbed surface from initial mitigation and recovery activities. Crude oil impact was delineated to at least 5-feet bgs but less than 10-feet bgs. During excavation of the visibly impacted soil, additional impacted soil associated with a network of rodent burrows was discovered and designated as the Rodent Burrow Flowpath (reference *Figure 6*, *Figure 7* and *Appendix III*). Analytical results from soil samples collected on June 8 and 10, 2004 from four trenches at sample points located above and below the exposed burrow openings verified the impact as coming from the burrows, in that, contaminant concentrations decreased radially from the burrow (reference *Table 3*).

4.3 ANALYTICAL RESULTS

The analytical results from each soil boring indicate crude oil impacts graded from the surface, near the leak origin, to 20-feet bgs in the low-lying pooling areas with the longest residence times (reference *Table 2*).

5.0 SOIL REMEDIATION

Remediation of the site began in May 2004 and was based on the information collected during the May 2003 delineation. The strategy was to excavate the crude oil impacted soils above NMOCD guidelines and remediate at the landfarm established at the Plains Vacuum to Jal 14" Mainline #1 site located approximately 0.5-mile north of the Vacuum to Jal 14" Mainline #6 site. The process of excavating and testing continued through August 20, 2004, during which time approximately 15,850 yd^3 of crude oil impacted soil were excavated from the Vacuum to Jal 14" Mainline #6 site and spread in the aforementioned land treatment area.

6.0 CLOSURE ACTIVITIES

Compliance with NMOCD soil remediation standards for the site were verified by laboratory analyses of soil samples collected from the floor and sidewalls of the excavated areas. All samples submitted to the laboratory for analyses were grab samples with the exception of the 5-point composite samples collected from the west sidewall, bottom and east sidewall of the "south flowpath south of the fence" on June 1, 2004. Each sample was immediately jarred, placed on ice and submitted to the laboratory for TPH and BTEX analysis. The remainder of the sample was placed in a Ziplock® bag, allowed to equilibrate to 70 to 75°F and the headspace surveyed for organic vapors using a calibrated PID equipped with a 9.8 eV lamp. To ensure representative samples, sample points were located at approximately 50-foot lateral intervals along the flowpaths (reference *Figures 5, 6 and 7*). The NMOCD was notified prior to each sampling event. After each iteration of excavating and testing, soils associated with the sample points identified as being in excess of the remedial goals were excavated and transported to the treatment area. To verify removal of soil impacted above NMOCD thresholds, samples were collected and submitted to the laboratory for analysis. To maintain sample location control, pin flags, labeled with the sample number (unique to the sample point) were placed at the initial sample points for reference and at all successive sample points. The sample number from successive soil samples collected from the same sample point remained the same except for the addition of a sequential letter (i.e., 2, 2A, 2B, 2C, etc.). The sample #5 number was inadvertently left out of the initial series of samples and is not associated with a sample. Sampling events occurred on May 14, 18, and 20; June 1 and 16; July 12, 13 and 14; and August 3 and 10, 2004 and were followed by removal of soil identified as being in excess of the remedial goals. The final sampling event occurred on August 20, 2004 and focused on vertical delineation of the #17 sample location in the bottom of the northwest flowpath (reference *Figure 7* and *Table 4*).

6.1 MAY 14, 18 AND 20, 2004 SAMPLING EVENTS

TPH and BTEX results from analysis of soil samples collected during the May 14, 18 and 20, 2004 sampling events from sample points #1 through #27 indicated adequate soil removal at all sample points with the exception of #1, #6, #7, #8, #10, #11, #14, #17 and #20 (reference *Figure 5*). TPH and BTEX results from these sampling points were above TPH and BTEX remedial goals for the site. Additional soil was excavated from these locations.

6.2 JUNE 1, 2004 SAMPLING EVENT

During the June 1, 2004 sampling event, composite samples were collected from the west sidewall, bottom and east sidewall of the "south flowpath south of the fence" and submitted to the laboratory for TPH and BTEX analyses. TPH and BTEX concentrations were below the remedial goals and deemed acceptable. The "south flowpath south of the fence" was subsequently backfilled with local clean soil and contoured to the natural grade.

6.3 JUNE 16, 2004 SAMPLING EVENT

During the June 16, 2004 sampling event, soil samples were collected from sample points #1A, #6A, #7A, #8A, #10A, #11A, #14A, #17A and #20A. TPH and

BTEX concentrations in all samples were below remedial goals and deemed acceptable with the exception of samples collected from #1A, #6A, #11A and #17A. BTEX concentrations in sample #1A were not detectable at or above the 0.025 mg/Kg method detection limit and deemed acceptable. The TPH concentration in sample #1A was reported above the 100 mg/Kg remedial goal at 150 mg/Kg, but does not represent an environmental hazard and was deemed acceptable. TPH and BTEX concentrations in the #6A, #11A, and #17A samples exceeded the NMOCD remedial goals. Additional soil was excavated from these locations.

6.4 JULY 12 AND 13, 2004 SAMPLING EVENTS

Analytical results for soil samples collected on July 12 and 13 from sample points #28 through #60 were below NMOCD remedial goals with the exception of samples #28, #40, #41, #46, #55, #57, #58 and #59. Additional soil was excavated from these locations.

6.5 JULY 14, 2004 SAMPLING EVENT

During the July 14, 2004 sampling event, soil samples #6B, #11B and #17B were collected and submitted to an independent laboratory for TPH and BTEX analyses. BTEX concentrations were below NMOCD remedial goals; TPH concentrations remained above the 100 mg/Kg remedial goal. Additional soil was excavated from these locations.

6.6 AUGUST 3 AND 4, 2004 SAMPLING EVENTS

During the August 3 and 4, 2004 sampling events, soil samples #17C, #28B, 41B, #46B, #55B, #57B, #58B and #59B were collected and submitted to an independent laboratory for TPH and BTEX analyses. TPH and BTEX concentrations in samples #41B, #46B, #57B, #58B and #59B were below NMOCD remedial goals and deemed acceptable. BTEX concentrations were below the NMOCD remedial goals in samples#17C, #28B and #55B; however, TPH concentrations exceeded NMOCD remedial goals. Additional soil was excavated from these locations.

6.7 AUGUST 10, 2004 SAMPLING EVENT

During the August 10, 2004 sampling event, soil samples #6C, #11C, #17D, #28C and #55C were collected and submitted to an independent laboratory for TPH and BTEX analyses. BTEX concentrations were below the NMOCD remedial goals in all the samples; however, TPH concentrations in the #6C, #11C, and the #17D samples exceeded NMOCD remedial goals. Additional soil was excavated from these locations.

6.8 AUGUST 20, 2004 SAMPLING EVENT

During the August 20, 2004 sampling event, soil samples #6D and #11D were collected and submitted to the laboratory for TPH and BTEX analyses. TPH and BTEX concentrations in the #6D and #11D samples were reported to be below NMOCD remedial goals and deemed acceptable.

To determine the vertical extent of crude oil impact at the #17 sample point, located in the floor of the northwest flowpath, a series of 1-foot interval soil

samples were collected to 20-feet bgs, beginning at the excavation floor, approximately 12-feet bgs. Reported BTEX concentrations ranged from an excessive 167 mg/Kg in the 12-foot bgs sample to an acceptable concentration of 0.575 mg/Kg in the 20-foot bgs sample. The TPH concentrations ranged from 5,310 mg/Kg in the 12-foot bgs sample to 216 in the 18-foot bgs sample. The TPH concentration in the 20-foot bgs sample was 256 mg/Kg, in excess of the 100 mg/Kg remedial goal. The NMOCD agreed that TPH and BTEX concentrations at 20-feet bgs would not be capable of impacting area groundwater, does not present an environmental risk or affect revegetation of the surface and subsequently permitted Plains to leave the impacted soil below the 20-foot bgs interval in place providing Plains excavated the limited area of small diameter impacted soil column to 19-feet bgs. The impacted soil column associated with the #17 sample location to a depth of 19-feet bgs was removed.

7.0 Backfilling and Contouring

With NMOCD and landowner consensus, the excavated area was first backfilled with local clean soil obtained from the unvegetated hummocks located east and west of the site. Additional soil was hauled in from the unvegetated hummocks adjacent and west of the Plains Vacuum to Jal 14" Mainline #1 site. The surface was contoured to the natural grade and reseeded.

8.0 Follow-up Activities

Plains will ensure the surface disturbed during remediation activities is restored to pre-leak conditions as practicable and minimize further disturbance of vegetated areas and continue to monitor attenuation of the TPH and BTEX concentrations in the soils placed in the soil remediation area at the Plains Vacuum to Jal 14" Mainline #1 site located approximately 0.5-mile to the north.

9.0 Conclusion

The information provide in this report documents remediation of the release consistent with the NMOCD guidelines, Plains therefore requests the NMOCD require no further action at the site and issue a "no further action required" letter to Plains.

FIGURES

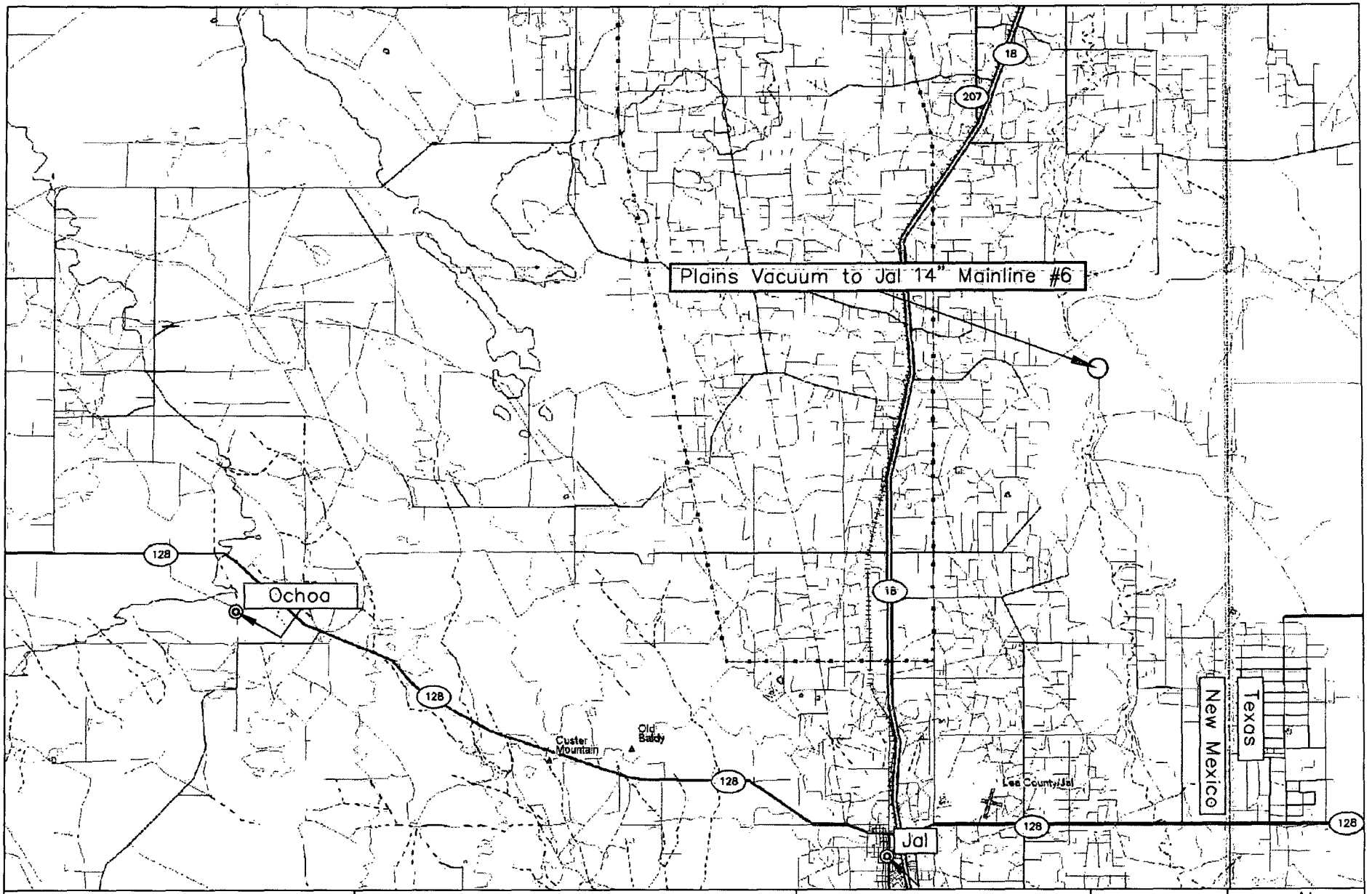

Figure 1
Area Map
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #6

Lea County, New Mexico
SW 1/4 of the SE 1/4, Sec. 25, T23S, R37E
N 32° 16' 06.76" W 103° 06' 49.57"
Elevation: 3,200 feet amsl

DWG By: P McCasland
March 2006

REVISED:
April 2006

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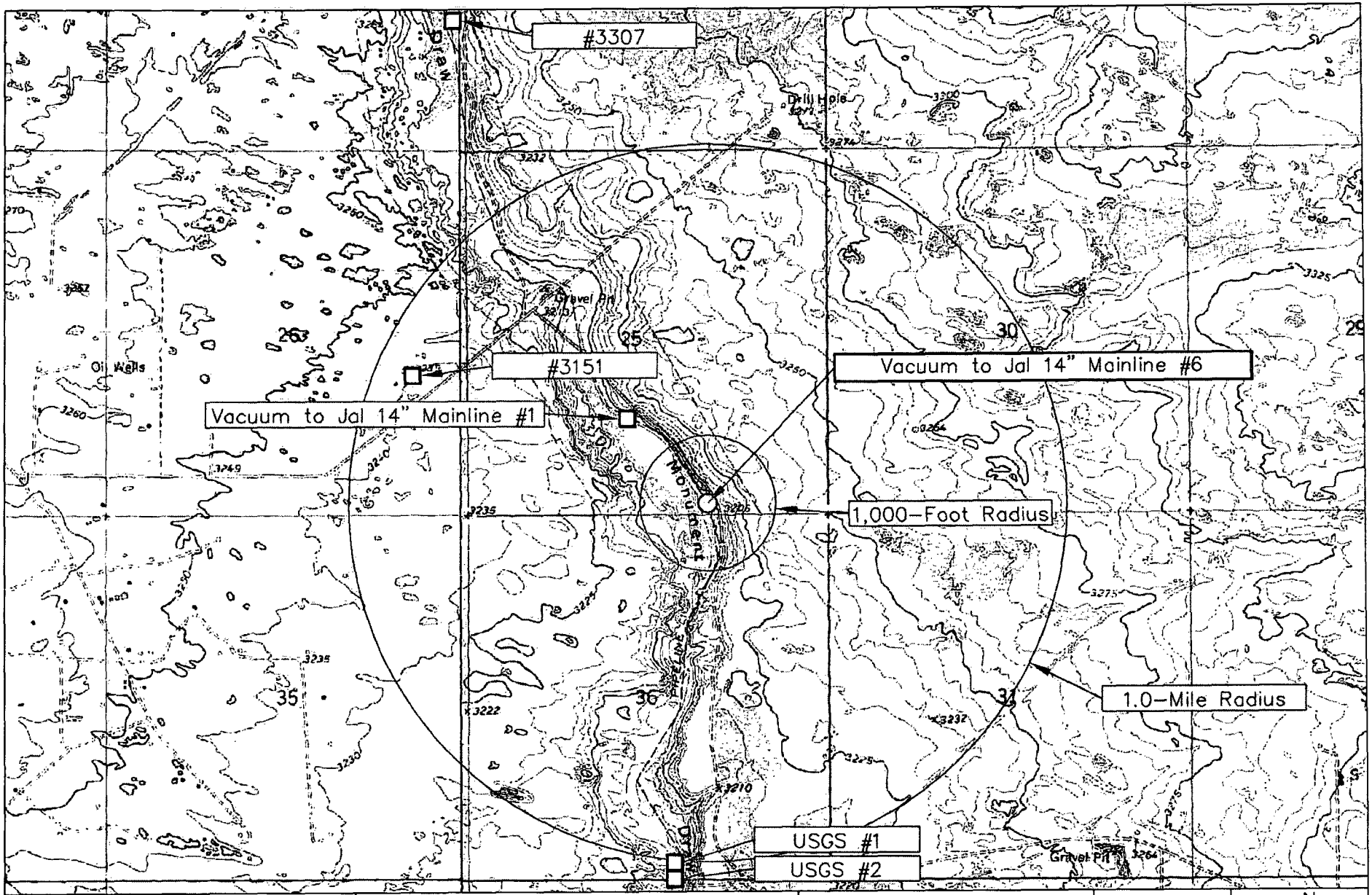

Figure 2 Site Location Map Plains Pipeline, L.P. Vacuum to Jal 14" Mainline #6	Lea County, New Mexico SW 1/4 of the SE 1/4, Sec. 25, T23S, R37E N 32° 16' 06.76" W 103° 06' 49.57" Elevation: 3,200 feet amsl	DWG By: P McCasland March 2006	REVISED: April 2006
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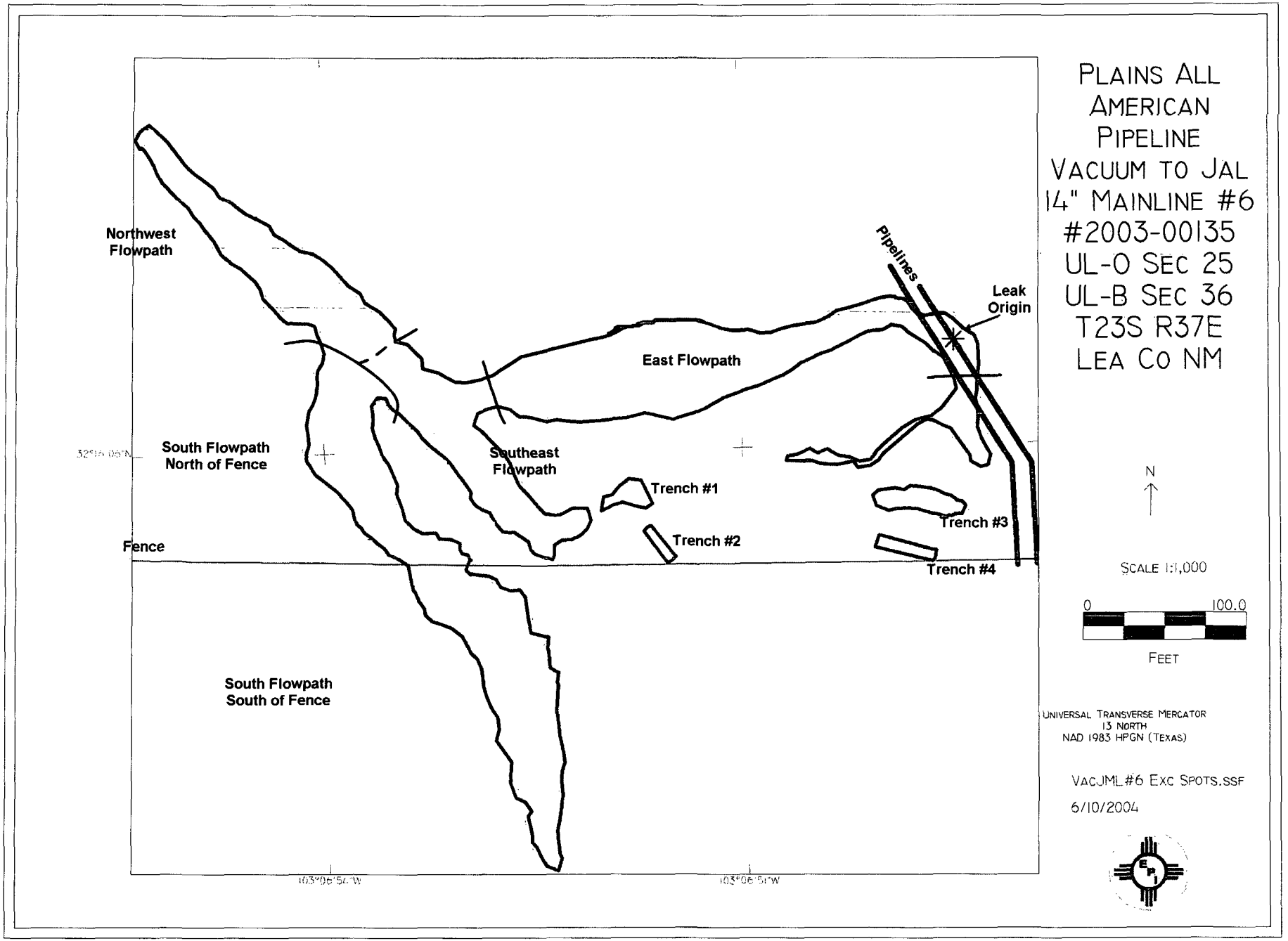


Figure 3: Site Map

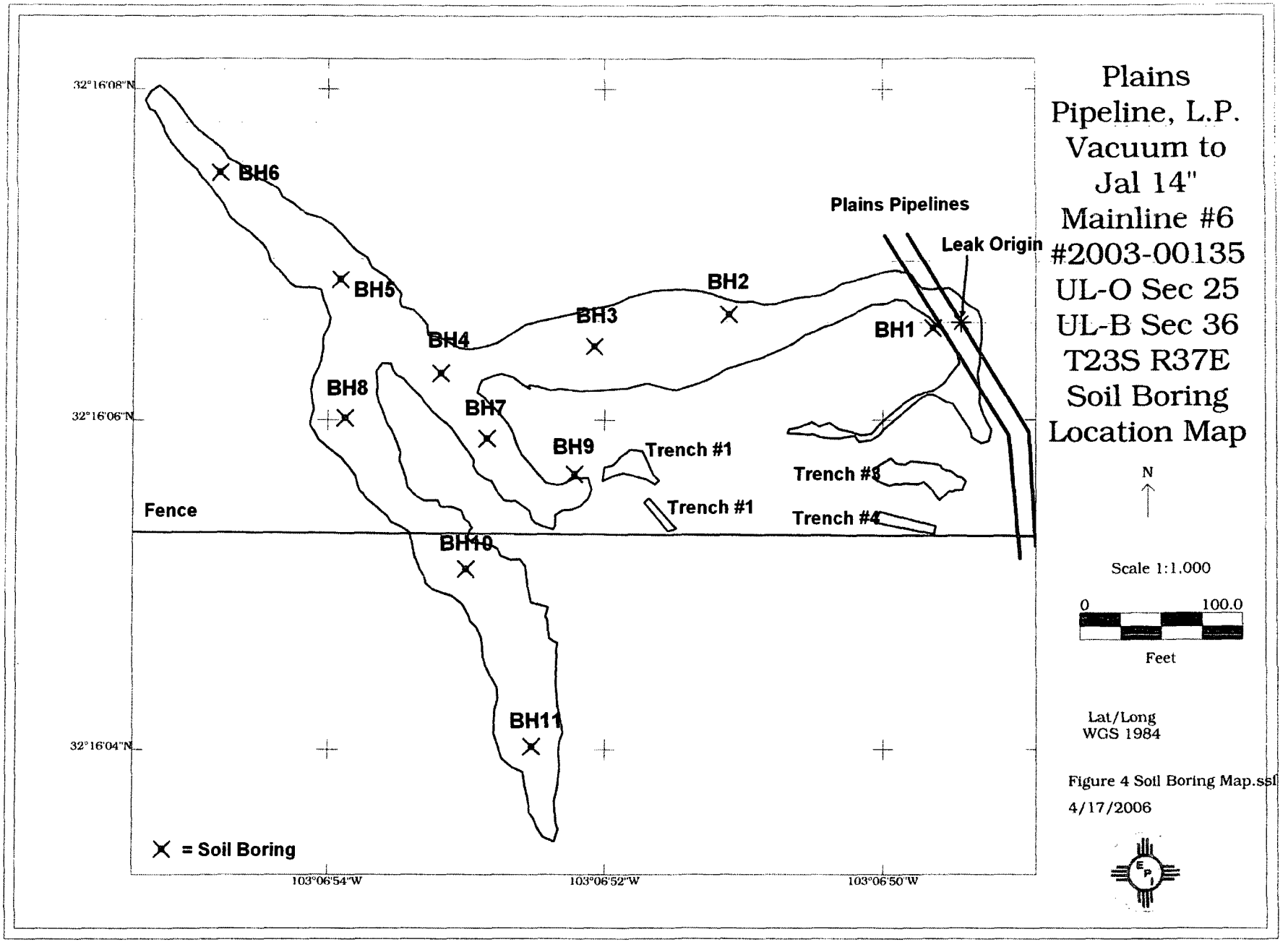
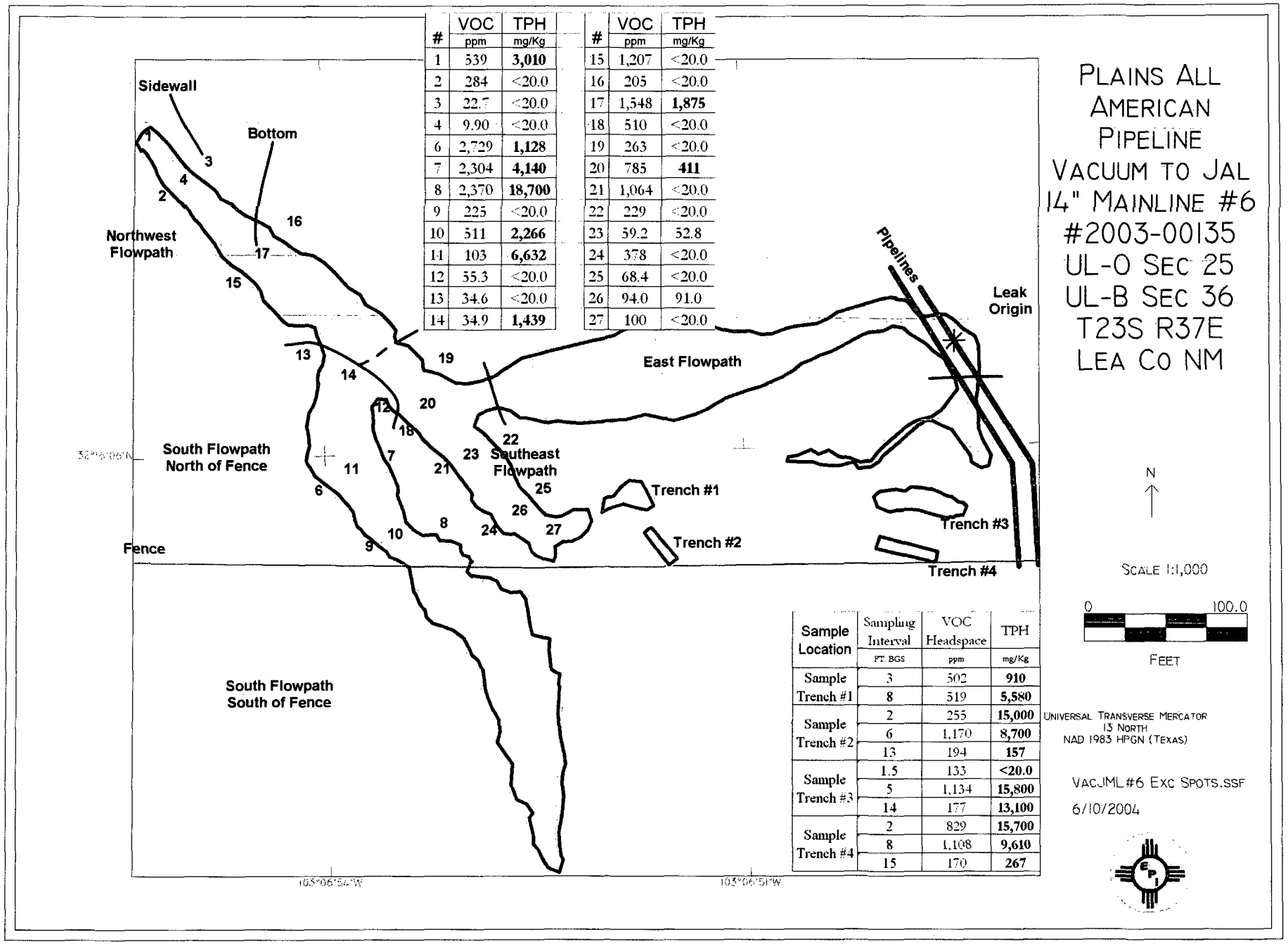


Figure 4: Soil Boring Location Map



#	VOC ppm	TPH mg/Kg
1	539	**3,010**
2	284	<20.0
3	22.7	<20.0
4	9.90	<20.0
6	2,729	**1,128**
7	2,304	**4,140**
8	2,370	**18,700**
9	225	<20.0
10	511	**2,266**
11	103	**6,632**
12	55.3	<20.0
13	34.6	<20.0
14	34.9	**1,439**

#	VOC ppm	TPH mg/Kg
15	1,207	<20.0
16	205	<20.0
17	1,548	**1,875**
18	510	<20.0
19	263	<20.0
20	785	**411**
21	1,064	<20.0
22	229	<20.0
23	59.2	52.8
24	378	<20.0
25	68.4	<20.0
26	94.0	91.0
27	100	<20.0

Sample Location	Sampling Interval FT. BGS	VOC Headspace ppm	TPH mg/Kg
Sample Trench #1	3	502	**910**
	8	519	**5,580**
Sample Trench #2	2	255	**15,000**
	6	1,170	**8,700**
	13	194	**157**
Sample Trench #3	1.5	133	**<20.0**
	5	1,134	**15,800**
	14	177	**13,100**
Sample Trench #4	2	829	**15,700**
	8	1,108	**9,610**
	15	170	**267**

Figure 5: Sample Location Map - May 14 to June 10, 2004

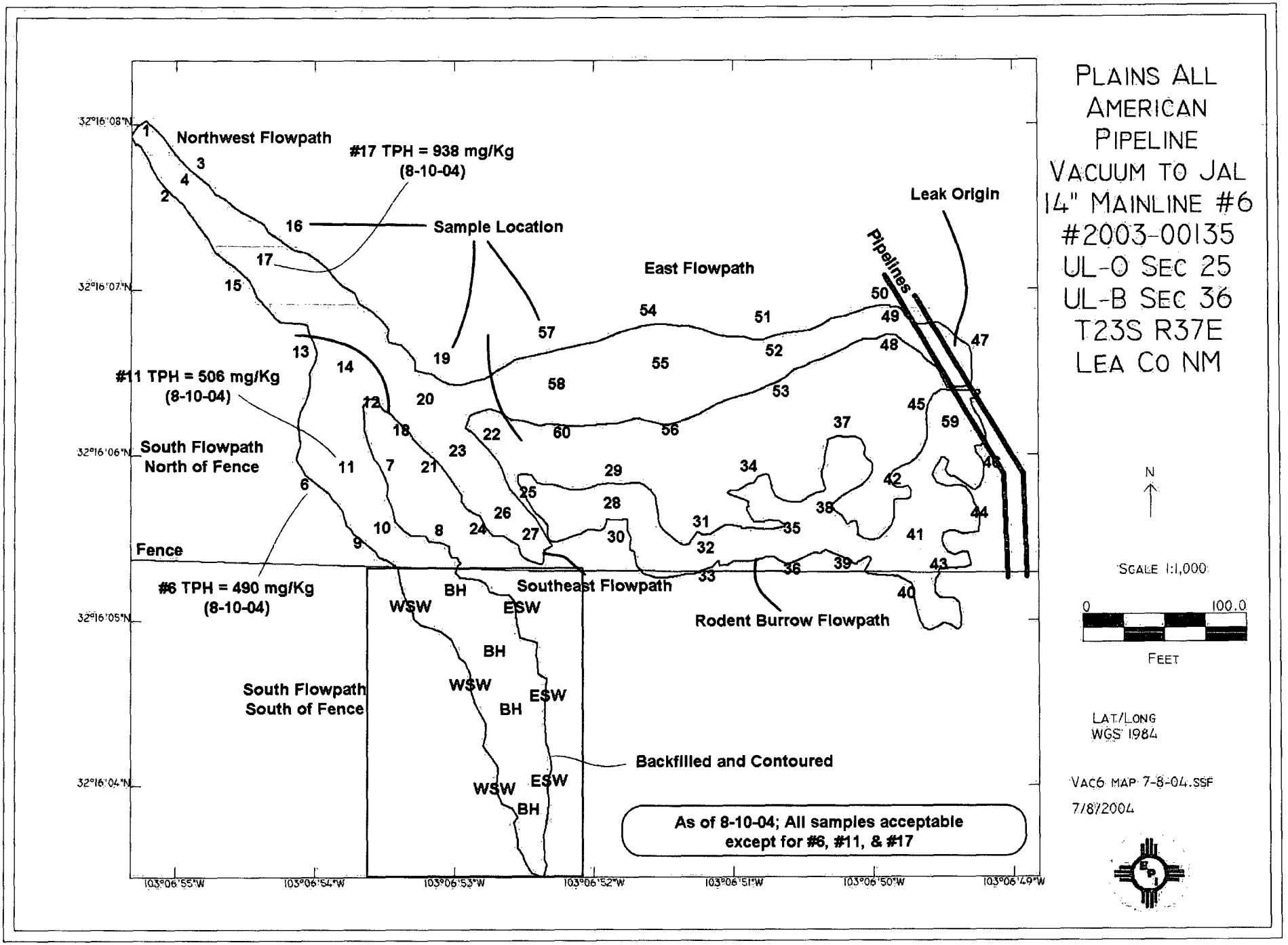
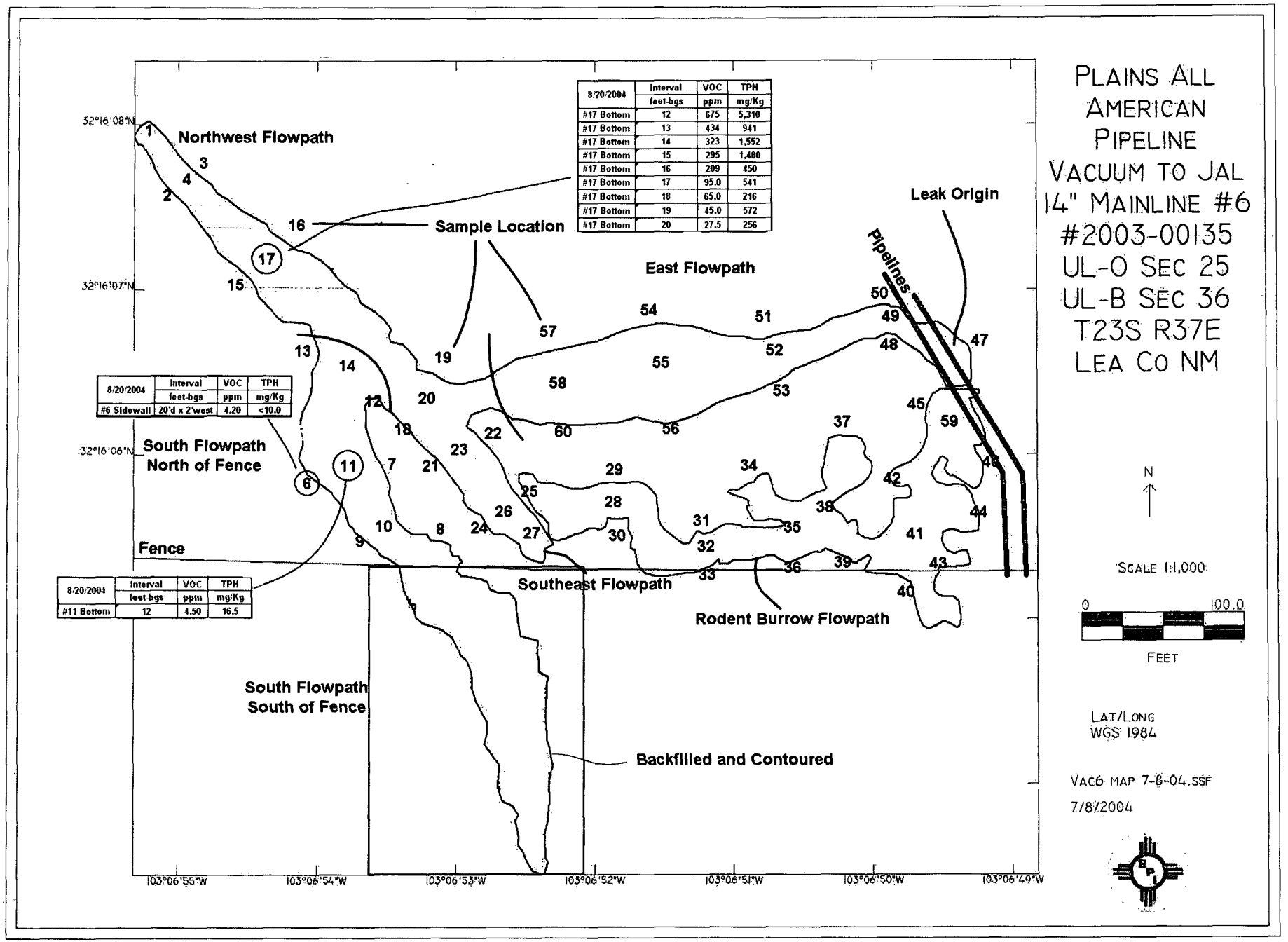


Figure 6: Sample Location Map - August 10, 2004



8/20/2004	Interval feet-bgs	VOC ppm	TPH mg/Kg
#17 Bottom	12	675	5,310
#17 Bottom	13	434	941
#17 Bottom	14	323	1,552
#17 Bottom	15	295	1,480
#17 Bottom	16	209	450
#17 Bottom	17	95.0	541
#17 Bottom	18	65.0	216
#17 Bottom	19	45.0	572
#17 Bottom	20	27.5	256

8/20/2004	Interval feet-bgs	VOC ppm	TPH mg/Kg
#6 Sidewall	20'd x 2'west	4.20	<10.0

8/20/2004	Interval feet-bgs	VOC ppm	TPH mg/Kg
#11 Bottom	12	4.50	16.5

Figure 7: Sample Location Map - August 20, 2004

TABLES

TABLE 1

Summary of Area Groundwater Levels and Site Groundwater Level Estimate

Plains Pipeline, L.P.

Vacuum to Jal 14" Mainline #6 ref. #2003-00135

ID#	Latitude	Longitude	Township Range Section	Measurement Date	Groundwater Level feet-bgs[1]	Surface Elevation feet-amsl[2]	Calculated Groundwater Elevation feet-amsl	Distance and Direction from Site
Windmill Well	32° 14' 37.4"N	103° 06' 59.2"W	T24S, R37E, Sec 1	2004	16.66[3]	3,170	3,153.34	1.7 miles south
USGS #1	32° 15' 14.5"N	103° 06' 54.4"W	T23S, R37E, Sec 31	1966	20.99	3,185	3,164.01	1.1 miles south
USGS #2	32° 15' 13.3"N	103° 06' 54.3"W	T23S, R37E, Sec 31	1976	20.45	3,185	3,164.55	1.1 miles south
#3151	32° 16' 25.1"N	103° 07' 36.0"W	T23S, R37E, Sec 26	1976	65.5	3,239	3,173.50	0.8 miles west
Plains Vacuum to Jal 14" Mainline #1 Monitoring Well #1[4]	32° 16' 18.4"N	103° 07' 05.2"W	T23S, R37E, Sec 23	2006	dry	3,195		0.25 miles northwest
#3307	32° 17' 16.7"N	103° 07' 29.2"W	T23S, R37E, Sec 23	1991	29.55	3,214	3,184.45	1.3 miles north

[1]bgs - below ground surface

[2]amsl - above mean sea level

[3]The groundwater level was measured and recorded by Environmental Plus, Inc..

[4]The groundwater monitoring well was installed in 2003. Total Depth = 27'bgs; 10-feet of 2" PVC casing and 20-feet of 0.020-inch screen was installed with a 3-feet stickup; fine sand was encountered from the surface down to a depth of 15-feet bgs with red clay from 15 to a depth of 37-feet bgs.

Surface elevations were interpolated from the USGS Topographical map.

The estimated groundwater elevation at the site is calculated to be approximately 33-feet bgs and is based on a calculated groundwater gradient of 0.002 feet per foot.

Table 2
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #6 ref.#2003-00135
Initial Delineation Data May 2003

Sample Location	Description	Sampling Interval (FT. BGS[1])	SAMPLE ID#	Date	Lithology	PID[2] ppm	GRO[3] mg/Kg	DRO[4] mg/Kg	TPH[5] mg/Kg	BTEX[6] mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg
Borehole 1	Probe	2	SE14M652703BH1-2	5/27/03	Tan Sand	300	<10.0	11.9	11.9	0.039	<0.020	<0.020	<0.020	0.039
	Probe	5	SE14M652703BH1-5	5/27/03	Tan Sand	38.4	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	10	SE14M652703BH1-10	5/27/03	Tan Sand	1.40	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	15	SE14M652703BH1-15	5/27/03	Tan Sand	0.30	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
Borehole 2	Probe	2	SE14M652703BH2-2	5/27/03	Tan Sand	338	<10.0	27.8	27.8	0.035	<0.020	<0.020	<0.020	0.035
	Probe	5	SE14M652703BH2-5	5/27/03	Tan Sand	19.7	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	10	SE14M652703BH2-10	5/27/03	Tan Sand	40.3	12.2	156	**168**	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	15	SE14M652703BH2-15	5/27/03	Red Clay	0.20	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
Borehole 3	Probe	2	SE14M652703BH3-2	5/27/03	Tan Sand	1,500	1,210	2,240	**3,450**	**53.0**	0.106	6.89	13.4	32.6
	Probe	5	SE14M652703BH3-5	5/27/03	Tan Sand	7.80	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	10	SE14M652703BH3-10	5/27/03	Tan Sand	3.40	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	15	SE14M652703BH3-15	5/27/03	Red Clay	0.20	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
Borehole 4	Probe	2	SE14M652803BH4-2	5/28/03	Tan Sand	657	22,600	34,300	**56,900**	**802**	**24.7**	166	168	443
	Probe	5	SE14M652803BH4-5	5/28/03	Tan Sand	53.6	<10.0	6.51	6.51	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	10	SE14M652803BH4-10	5/28/03	Red Clay	15.4	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	15	SE14M652803BH4-15	5/28/03	Red Clay	10.4	<10.0	5.52	5.52	<0.020	<0.020	<0.020	<0.020	<0.020
Borehole 5	Probe	2	SE14M652803BH5-2	5/28/03	Tan Sand	650	15,300	19,800	**35,100**	**835**	**34.8**	215	180	405
	Probe	5	SE14M652803BH5-5	5/28/03	Tan Sand	750	16,800	19,600	**36,400**	**1,120**	**72.5**	346	236	465
	Probe	10	SE14M652803BH5-10	5/28/03	Red Clay	700	7,100	6,740	**13,800**	**375**	**17.8**	100	80.0	177
	Probe	15	SE14M652803BH5-15	5/28/03	Red Clay	849	297	583	**880**	14.9	0.253	2.76	3.49	8.40
	Probe	20	SE14M652803BH5-20	5/28/03	Red Clay	24.1	<10.0	5.89	5.89	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	25	SE14M652803BH5-25	5/28/03	Red Clay	15.3	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
Borehole 6	Probe	2	SE14M652803BH6-2	5/28/03	Tan Sand	853	12,700	22,300	**35,000**	**637**	**16.8**	149	143	328
	Probe	5	SE14M652803BH6-5	5/28/03	Tan Sand	18.0	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	10	SE14M652803BH6-10	5/28/03	Tan Sand	10.2	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	15	SE14M652803BH6-15	5/28/03	Red Clay	7.90	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
Borehole 7	Probe	2	SE14M652803BH7-2	5/28/03	Tan Sand	675	9,230	12,700	**21,930**	**366**	**10.7**	81.2	75.4	199
	Probe	5	SE14M652803BH7-5	5/28/03	Tan Sand	600	13,800	11,300	**25,100**	**868**	**53.9**	240	179	395
	Probe	10	SE14M652803BH7-10	5/28/03	Red Clay	750	12,800	12,600	**25,400**	**721**	**31.1**	188	155	347
	Probe	15	SE14M652803BH7-15	5/28/03	Red Clay	20.2	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	20	SE14M652803BH7-20	5/28/03	Red Clay	18.4	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
Borehole 8	Probe	2	SE14M652903BH8-2	5/29/03	Tan Sand	1,060	19,800	32,300	**52,100**	**796**	**28.2**	193	176	399
	Probe	5	SE14M652903BH8-5	5/29/03	Tan Sand	865	16,600	14,800	**31,400**	**534**	**19.8**	136	116	262
	Probe	10	SE14M652903BH8-10	5/29/03	Red Clay	40.1	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	15	SE14M652903BH8-15	5/29/03	Red Clay	20.1	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
Borehole 9	Probe	2	SE14M652903BH9-2	5/29/03	Tan Sand	740	17,200	11,100	**28,300**	**1,167**	**64.6**	391	226	485
	Probe	5	SE14M652903BH9-5	5/29/03	Tan Sand	420	12,900	10,800	**23,700**	**784**	**43.0**	217	163	361
	Probe	10	SE14M652903BH9-10	5/29/03	Tan Sand	10.9	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	15	SE14M652903BH9-15	5/29/03	Red Clay	5.70	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
Borehole 10	Probe	2	SE14M652903BH10-2	5/29/03	Tan Sand	1,300	6,260	8,300	**14,500**	**283**	9.48	81.4	56.0	136
	Probe	5	SE14M652903BH10-5	5/29/03	Tan Sand	720	34.4	94.3	**129**	1.96	<0.020	0.227	0.484	1.25
	Probe	10	SE14M652903BH10-10	5/29/03	Red Clay	20.7	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	15	SE14M652903BH10-15	5/29/03	Red Clay	7.0	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
Borehole 11	Probe	2	SE14M652903BH11-2	5/29/03	Tan Sand	1,188	10,000	15,600	**25,600**	**285**	8.70	82.9	60.8	133
	Probe	5	SE14M652903BH11-5	5/29/03	Tan Sand	10.4	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	10	SE14M652903BH11-10	5/29/03	Red Clay	8.00	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
	Probe	15	SE14M652903BH11-15	5/29/03	Red Clay	6.1	<10.0	<10.0	<10.0	<0.020	<0.020	<0.020	<0.020	<0.020
New Mexico Oil Conservation Division Remedial Goals						100			100	50.0	10.0			

[1]bgs – below ground surface

[2]PID - Photoionization Detector for Volatile Organic Contaminants/Constituents

[3]GRO-Gasoline Range Organics C_6-C_{12}

[4]DRO-Diesel Range Organics C_{13}-C_{28}

[5]TPH-Total Petroleum Hydrocarbon = GRO+DRO.

[6]BTEX - Mass sum of benzene, toluene, ethylbenzene, and xylenes

[7]< - (i.e., less than): indicates the method detection limit

Red Bold font indicates concentration is in excess of the remedial goal.

Table 3
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #6 #2003-00135
Rodent Burrow Sample Trench Delineation Data

Sample Location	Description	Sampling Interval (FT. BGS[1])	SAMPLE ID#	Date	Lithology	PID[2] ppm	GRO[3] mg/Kg	DRO[4] mg/Kg	TPH[5] mg/Kg	BTEX[6] mg/Kg	Benzene mg/Kg	Toluene mg/Kg	Ethylbenzene mg/Kg	Total Xylenes mg/Kg
Sample Trench #1	Above burrow opening	3	SL14M060804H#1-3'	6/8/04	Sand	502	273	637	**910**	8.40	0.041	0.778	1.92	5.66
	Below burrow opening	8	SL14M060804H#1-8'	6/8/04	Sand	519	1,050	4,530	**5,580**	19.4	0.146	2.61	4.26	12.4
Sample Trench #2	Above burrow opening	2	SL14M061004H#2-2'	6/10/04	Sand	255	3,620	11,400	**15,000**	18.0	0.082	1.79	5.33	10.8
	Below burrow opening	6	SL14M061004H#2-6'	6/10/04	Sand	1,170	3,050	5,640	**8,690**	**53.9**	0.222	8.44	12.0	33.2
	Below burrow opening	13	SL14M0601004H#2-13'	6/10/04	Sand	194	13.3	144	**157**	0.033	<0.025[8]	<0.025	<0.025	0.033
Sample Trench #3	Above burrow opening	1.5	SL14M0601004H#3-1'6"	6/10/04	Sand	133	<10.0	<10.0	<10.0	0.143	<0.025	0.029	J[0.0216][7]	0.114
	Below burrow opening	5	SL14M0601004H#3-5'	6/10/04	Sand	1,134	5,570	10,200	**15,800**	**150.34**	3.34	32.2	34.8	80.0
	Below burrow opening	14	SL14M0601004H#3-14'	6/10/04	Sand	177	2,410	10,700	**13,100**	**67.2**	1.45	13.3	15.2	37.3
Sample Trench #4	Above burrow opening	2	SL14M0601004H#4-2'	6/10/04	Sand	829	4,130	11,600	**15,700**	**55.9**	0.687	9.41	11.5	34.3
	Below burrow opening	8	SL14M0601004H#4-8'	6/10/04	Sand	1,108	3,070	6,540	**9,610**	**91.6**	1.49	17.5	20.4	52.2
	Below burrow opening	15	SL14M0601004H#4-15'	6/10/04	Sand	170	18.7	248	**267**	0.175	<0.025	J[0.0229]	0.037	0.139
New Mexico Oil Conservation Division Remedial Goals						100			100	50.0	10.0			

[1]bgs – below ground surface

[2]PID - Photoionization Detector for Volatile Organic Contaminants/Constituents

[3]GRO-Gasoline Range Organics C_6-C_{12}

[4]DRO-Diesel Range Organics C_{13}-C_{28}

[5]TPH-Total Petroleum Hydrocarbon = GRO+DRO.

[6]BTEX - Mass sum of benzene, toluene, ethylbenzene, and xylenes

[7]J - parameter detected but not above the method detection limit.

[8] < - (i.e., less than): indicates the method detection limit

[9]- - = not analyzed

Red Bold font indicates concentration is in excess of the remedial goal.

Table 4
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #6 #2003-00135
Excavation Delineation Data

Sample Location	Sample Point		Sampling Interval	SAMPLE ID#	Date	Soil Status	Lithology	PID[2]	GRO[3]	DRO[4]	TPH[5]	BTEX[6]	Benzene	Toluene	Ethylbenzene	Total Xylenes
	Description	#	(FT. BGS[1])					ppm	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Northwest Flowpath	Northwest end	1	2	SLVJ6514041	5/14/04	excavated	Sand	**539**	440	2,570	**3,010**	1.07	<0.025[8]	<0.025	0.158	0.912
		1A	2	Jal14Main#6616041A	6/16/04	in-situ	Sand	--	<10.0	**150**	**150**	<0.025	<0.025	<0.025	<0.025	<0.025
	Northsouth wall	2	5 to 8	SLVJ6514042	5/14/04	in-situ	Sand	284	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Northnorth wall	3	5 to 8	SLVJ6514043	5/14/04	in-situ	Sand	22.7	<10.0	[6.19][7]	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	North bottom	4	5 to 8	SLVJ6514044	5/14/04	in-situ	Red Clay	9.90	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
South Flowpath north of fence	Midwest west wall	6	5 to 8	SLVJ6518046	5/14/04	excavated	Sand	**2,729**	338	790	**1,100**	16.6	0.177	1.72	4.16	10.6
		6A	5 to 8	Jal14Main#6616046A	6/16/04	excavated	Sand	--	1,560	5,530	**7,090**	43.2	1.12	8.67	9.59	23.8
		6B	5 to 8	SPAAVJ671404#6B	7/14/04	excavated	Sand	--	50.7	467	**518**	0.094	<0.025	<0.025	<0.025	0.094
		6D	5 to 8	SL14M810046D	8/10/04	excavated	Sand	--	61.7	428	**490**	<0.025	<0.025	<0.025	<0.025	<0.025
		6E	5 to 8	PV682004#6E-2'	8/20/04	in-situ	Sand	--	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Midwest east wall	7	5 to 8	SLVJ6518047	5/18/04	excavated	Sand	**2,304**	1,350	2,790	**4,140**	**115**	2.13	19.2	26.8	67.1
		7A	5 to 8	Jal14Main#6616047A	6/16/04	in-situ	Sand	--	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Southeast wall	8	5 to 8	SLVJ6518048	5/18/04	excavated	Sand	**2,370**	3,600	15,100	**18,700**	**86.1**	1.36	13.6	20.8	50.3
		8A	5 to 8	Jal14Main#6616048A	6/16/04	in-situ	Sand	--	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Southwest wall	9	5 to 8	SLVJ6518049	5/18/04	in-situ	Sand	**225**	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Southwest bottom	10	8	SLVJ65180410	5/18/04	excavated	Red Clay	**511**	136	2,130	**2,300**	0.495	<0.025	0.044	0.117	0.335
		10A	12	Jal14Main#66160410A	6/16/04	in-situ	Red Clay	--	<10.0	59.2	59.2	<0.025	<0.025	<0.025	<0.025	<0.025
	Midbottom	11	8	SLVJ65180411	5/18/04	excavated	Red Clay	**103**	812	5,820	**6,600**	9.86	0.192	1.06	2.24	6.37
		11A	8	Jal14Main#66160411A	6/16/04	excavated	Red Clay	--	2,080	16,300	**18,400**	26.9	0.396	4.26	5.82	16.4
		11B	10	SPAAVJ671404#11B	7/14/04	excavated	Red Clay	--	50.0	695	**745**	0.328	<0.025	0.035	0.073	0.221
		11D	11	SL14M8100411D	8/10/04	excavated	Red Clay	--	63.8	442	**506**	1.23	<0.025	0.179	0.238	0.813
		11E	12	PV682004#11E-12'	8/20/04	in-situ	Red Clay	--	<10.0	16.5	16.5	<0.025	<0.025	<0.025	<0.025	<0.025
	Northeast wall	12	5 to 8	SLVJ65180412	5/18/04	in-situ	Sand	55.3	<10.0	[6.81]	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Northwest wall	13	5 to 8	SLVJ65180413	5/18/04	in-situ	Sand	34.6	<10.0	[7.93]	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	North bottom	14	8	SLVJ65180414	5/18/04	excavated	Red Clay	34.9	129	1,310	**1,400**	1.47	[0.0184]	0.143	0.358	0.967
		14A	12	Jal14Main#66160414A	6/16/04	in-situ	Red Clay	--	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
Northwest Flowpath	Southsouth wall	15	5 to 8	SLVJ65200415	5/20/04	in-situ	Sand	**1,207**	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Southwest wall	16	5 to 8	SLVJ65200416	5/20/04	in-situ	Sand	**205**	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	South Bottom	17	7	SLVJ65200417	5/20/04	excavated	Red Clay	**1,548**	255	1,620	**1,900**	7.08	0.204	0.816	1.61	4.45
		17A	8	Jal14Main#66160417A	6/16/04	excavated	Red Clay	--	3,250	5,810	**9,060**	**180**	**10.4**	48.3	36.4	84.6
		17B	9	SPAAVJ671404#17B	7/14/04	excavated	Red Clay	--	843	2,510	**3,400**	22.1	0.277	3.16	4.89	13.8
		17C	10	08030417B	8/3/04	excavated	Red Clay	--	423	1,190	**1,600**	7.40	0.122	1.16	1.22	4.90
		17D	11	SL14M8100417D	8/10/04	excavated	Red Clay	--	78.9	859	**938**	0.889	<0.025	0.110	0.191	0.588
		17E	12	PV682004#17E-12'	8/20/04	excavated	Red Clay	**675**	2,510	2,800	**5,310**	**167**	**16.7**	45.4	36.4	68.3
		17E	13	PV682004#17E-13'	8/20/04	excavated	Red Clay	**434**	420	521	**941**	34.6	1.73	8.68	6.38	17.8
		17E	14	PV682004#17E-14'	8/20/04	excavated	Red Clay	**323**	560	992	**1,600**	31.2	1.31	7.94	6.00	16.0
		17E	15	PV682004#17E-15'	8/20/04	excavated	Red Clay	**295**	507	973	**1,480**	17.9	0.310	3.48	3.51	10.6
		17E	16	PV682004#17E-16'	8/20/04	excavated	Red Clay	**209**	153	297	**450**	4.65	0.106	0.851	0.774	2.92
		17E	17	PV682004#17E-17'	8/20/04	excavated	Red Clay	95.0	146	395	**541**	2.08	0.015	0.231	0.379	1.46
		17E	18	PV682004#17E-18'	8/20/04	excavated	Red Clay	65.0	67.2	149	**216**	1.28	0.040	0.206	0.214	0.823
		17E	19	PV682004#17E-19'	8/20/04	excavated	Red Clay	45.0	193	379	**572**	5.80	0.074	0.861	1.15	3.72
		17E	20	PV682004#17E-20'	8/20/04	in-situ	Red Clay	27.5	70.9	185	**256**	0.575	<0.025	0.031	0.120	0.424

Table 4
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #6 #2003-00135
Excavation Delineation Data

Sample Location	Sample Point		Sampling Interval	SAMPLE ID#	Date	Soil Status	Lithology	PID[2]	GRO[3]	DRO[4]	TPH[5]	BTEX[6]	Benzene	Toluene	Ethylbenzene	Total Xylenes
	Description	#	(FT. BGS[1])					ppm	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Southeast Flowpath	Northsouth wall	18	5 to 8	SLVJ65200418	5/20/04	in-situ	Sand	**510**	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Northnorth wall	19	5 to 8	SLVJ65200419	5/20/04	in-situ	Sand	263	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	North bottom	20	8	SLVJ65200420	5/20/04	excavated	Red Clay	**785**	18.6	392	**411**	0.361	0.034	0.066	0.061	0.200
		20A	8	Jal14Main#66160417A	6/16/04	in-situ	Red Clay	--	<10.0	73.8	73.8	0.059	<0.025	<0.025	<0.025	0.059
	Midsouth wall	21	5 to 8	SLVJ65200421	5/20/04	in-situ	Sand	**1,064**	<10.0	[5.59]	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Midnorth wall	22	5 to 8	SLVJ65200422	5/20/04	in-situ	Sand	229	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Midbottom	23	8	SLVJ65200423	5/20/04	in-situ	Red Clay	59.2	<10.0	42.8	42.8	<0.025	<0.025	<0.025	<0.025	<0.025
	Southsouth wall	24	5 to 8	SLVJ65200424	5/20/04	in-situ	Sand	378	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Southnorth wall	25	5 to 8	SLVJ65200425	5/20/04	in-situ	Sand	68.4	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Southbottom	26	8	SLVJ65200426	5/20/04	in-situ	Red Clay	94.0	<10.0	91.0	91.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Southsouth wall	27	5 to 8	SLVJ65200427	5/20/04	in-situ	Sand	100	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
Rodent Burrow Flowpath	West bottom	28	8	SPAAVJ671204#28	7/12/04	excavated	Red Clay	68.0	273	1,420	**1,700**	2.46	[0.0209]	0.171	0.301	1.99
		28B	12	08030428B	8/4/04	excavated	Red Clay	--	95.9	252	**348**	1.95	<0.025	0.074	0.386	1.49
		28C	14	SL14M8100428C	8/10/04	in-situ	Red Clay	--	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	West north wall	29	5 to 8	SPAAVJ671204#29	7/12/04	in-situ	Sand	7.30	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	West south wall	30	5 to 8	SPAAVJ671204#30	7/12/04	in-situ	Sand	51.8	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	West north wall	31	5 to 8	SPAAVJ671204#31	7/12/04	in-situ	Sand	6.70	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	West bottom	32	8	SPAAVJ671204#32	7/12/04	in-situ	Red Clay	28.5	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	West south wall	33	5 to 8	SPAAVJ671204#33	7/12/04	in-situ	Sand	40.9	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	West north wall	34	5 to 8	SPAAVJ671204#34	7/12/04	in-situ	Sand	79.0	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	West bottom	35	8	SPAAVJ671204#35	7/12/04	in-situ	Red Clay	80.1	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	West south wall	36	5 to 8	SPAAVJ671204#36	7/12/04	in-situ	Sand	75.9	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	East north wall	37	5 to 8	SPAAVJ671204#37	7/12/04	in-situ	Sand	80.1	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	East bottom	38	8	SPAAVJ671204#38	7/12/04	in-situ	Red Clay	92.3	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	East south wall	39	5 to 8	SPAAVJ671204#39	7/12/04	in-situ	Sand	11.9	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
		40	5 to 8	SPAAVJ671204#40	7/12/04	excavated	Sand	409	<10.0	91.3	91.3	<0.025	<0.025	<0.025	<0.025	<0.025
	East bottom	41	8	SPAAVJ671204#41	7/12/04	excavated	Red Clay	11.0	42.2	1,550	**1,600**	0.069	<0.025	<0.025	<0.025	0.069
		41B	12	08030441B	8/3/04	in-situ	Red Clay	--	<10.0	15.6	15.6	<0.025	<0.025	<0.025	<0.025	<0.025
	East northwest wall	42	5 to 8	SPAAVJ671204#42	7/12/04	in-situ	Sand	9.80	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	East south wall	43	5 to 8	SPAAVJ671204#43	7/12/04	in-situ	Sand	9.50	<10.0	<10.0	<10.0	0.045	<0.025	<0.025	<0.025	0.045
	East wall	44	5 to 8	SPAAVJ671204#44	7/12/04	in-situ	Sand	10.8	<10.0	<10.0	<10.0	0.487	[0.0201]	0.060	0.038	0.389
	West bottom	59	8	SPAAVJ671204#59	7/13/04	excavated	Red Clay	9.80	86.6	1,190	**1,300**	1.26	<0.025	0.147	0.262	0.849
		59B	12	08030459B	8/3/04	in-situ	Red Clay	--	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	East north wall	45	5 to 8	SPAAVJ671204#45	7/13/04	in-situ	Sand	68.0	<10.0	<10.0	<10.0	0.187	<0.025	[0.0213]	[0.0182]	0.187
	East wall	46	5 to 8	SPAAVJ671204#46	7/13/04	excavated	Sand	7.30	1,650	6,680	**8,300**	**173**	1.89	32.9	42.7	95.8
		46B	5 to 8	08030446B	8/3/04	in-situ	Sand	--	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025

Table 4
Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #6 #2003-00135
Excavation Delineation Data

Sample Location	Sample Point		Sampling Interval	SAMPLE ID#	Date	Soil Status	Lithology	PID[2]	GRO[3]	DRO[4]	TPH[5]	BTEX[6]	Benzene	Toluene	Ethylbenzene	Total Xylenes
	Description	#	(FT. BGS[1])					ppm	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
East Flowpath	East east wall	47	5 to 8	SPAAVJ671204#47	7/13/04	in-situ	Red Clay	51.8	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	East east south wall	48	5 to 8	SPAAVJ671204#48	7/13/04	in-situ	Red Clay	6.70	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	East east bottom	49	8	SPAAVJ671204#49	7/13/04	in-situ	Red Clay	28.5	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	East east north wall	50	5 to 8	SPAAVJ671204#50	7/13/04	in-situ	Sand	40.9	<10.0	74.0	74.0	<0.025	<0.025	<0.025	<0.025	<0.025
	East north wall	51	5 to 8	SPAAVJ671204#51	7/13/04	in-situ	Red Clay	79.0	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	East bottom	52	8	SPAAVJ671204#52	7/13/04	in-situ	Red Clay	80.1	<10.0	35.7	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	East south wall	53	5 to 8	SPAAVJ671204#53	7/13/04	in-situ	Sand	75.9	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Mid north wall	54	5 to 8	SPAAVJ671204#54	7/13/04	in-situ	Sand	80.1	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Mid bottom	55	8	SPAAVJ671204#55	7/13/04	excavated	Red Clay	92.3	14.6	295	**310**	<0.025	<0.025	<0.025	<0.025	<0.025
		55B	12	08030455B	8/3/04	excavated	Red Clay	- -	359	1,330	**1,700**	12.1	0.070	1.48	2.61	7.96
		55C	16	SL14M8100455C	8/10/04	in-situ	Red Clay	- -	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Mid south wall	56	5 to 8	SPAAVJ671204#56	7/13/04	in-situ	Sand	11.9	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	West north wall	57	5 to 8	SPAAVJ671204#57	7/13/04	excavated	Sand	409	711	5,820	**6,500**	0.708	<0.025	[0.0189]	0.061	0.647
		57B	5 to 8	08030457B	8/3/04	in-situ	Sand	- -	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	West bottom	58	8	SPAAVJ671204#58	7/13/04	excavated	Red Clay	11.0	16.4	243	**259**	0.090	<0.025	<0.025	[0.0161]	0.090
		58B	12	08030458B	8/3/04	in-situ	Red Clay	- -	21.3	58.8	80.1	0.053	<0.025	<0.025	[0.0172]	0.053
	West south bottom	60	8	SPAAVJ671204#60	7/13/04	in-situ	Red Clay	9.50	<10.0	46.9	46.9	<0.025	<0.025	<0.025	<0.025	<0.025
South Flowpath South of fence	West sidewall	WSW	5 to 8	SL14M061004WSW	6/1/04	in-situ	Sand	- -	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
	Bottom	BH	8	SL14M061004BH	6/1/04	in-situ	Red Clay	- -	<10.0	13.6	13.6	<0.025	<0.025	<0.025	<0.025	<0.025
	East sidewall	ESW	5 to 8	SL14M061004ESW	6/1/04	in-situ	Sand	- -	<10.0	<10.0	<10.0	<0.025	<0.025	<0.025	<0.025	<0.025
New Mexico Oil Conservation Division (NMOCD) Remedial Goals								100			100	50.0	10.0			

[1]bgs – below ground surface

[2]PID - Photoionization Detector for Volatile Organic Vapors

[3]GRO-Gasoline Range Organics C_6-C_{10}

[4]DRO-Diesel Range Organics C_{10}-C_{25}

[5]TPH-Total Petroleum Hydrocarbon = GRO+DRO.

[6]BTEX - Mass sum of benzene, toluene, ethylbenzene, and xylenes

[7][0.0189] parameter detected but not above the method detection limit.

[8]< - (i.e., less than): indicates the method detection limit

[9]- - = not analyzed

Red Bold font indicates concentration is in excess of the remedial goal.

"Gray Shading" indicates final sample location.

APPENDICES

Appendix I: Laboratory Analytical Reports

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143455 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH6-15
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 12:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	<10	mg/Kg	10	<10	06/09/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<10	mg/Kg	10	<10	06/09/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.

www.analysysinc.com ☐ 3512 Montopolis Dr., Austin, Texas 78744 ☐ (512) 385-5886 ☐ FAX: (512) 385-741

Sample Analysis Case Narrative & Exceptions Report

Client: ENVIRONMENTAL PLUS Project ID: 2003-00136 14 MAIN #6

Attn: PAT MCCASLAND

for Sample #'s 143455 thru —

Final Review Date: 6/12/03 By: JIM O'DONNELL for (R.J. Laster)

FOR TPH by GC; SAMPLE REQUIRED DILUTION DUE TO MATRIX INTERFERENCE. ORIGINAL SAMPLE VOLUME ABSORBED ORIGINAL SOLVENT ALIQUOT. ADDITIONAL SOLVENT NECESSARY.

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143454
Attn: Pat McCasland	**Sample Name:** SE14M652803BH6-10	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	67.6	50-150	---
p-Terphenyl	8015 mod.	51.7	50-150	---
1,2-Dichloroethane-d4	8260b	84.8	65-115	---
Toluene-d8	8260b	101	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143454 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH6-10
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 11:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143453
Attn: Pat McCasland	**Sample Name:** SE14M652803BH6-5	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	66.8	50-150	---
p-Terphenyl	8015 mod.	53.3	50-150	---
1,2-Dichloroethane-d4	8260b	85.2	65-115	---
Toluene-d8	8260b	102	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143453 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH6-5
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 11:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Exceptions Report:

Report #/Lab ID#: 143452 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH6-2

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane 1-Chlorooctane	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

ANALYSYS INC.

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143452
Attn: Pat McCasland	**Sample Name:** SE14M652803BH6-2	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 50X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143452 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH6-2
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 11:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	**22300**	mg/Kg	500	<500	06/06/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**12700**	mg/Kg	500	<500	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	**16800**	µg/Kg	5000	<5000	06/09/03	8260b	---	3.6	81.7	88.2	83.2
Ethylbenzene	**143000**	µg/Kg	5000	<5000	06/09/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	**245000**	µg/Kg	5000	<5000	06/09/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	**82700**	µg/Kg	5000	<5000	06/09/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	**149000**	µg/Kg	5000	<5000	06/09/03	8260b	---	0.6	82.2	88.5	84.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Exceptions Report:

Report #/Lab ID#: 143451 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH5-25

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as diesel)	J	See J-flag discussion above.

Notes: _____

ANALYSYS INC.

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143451
Attn: Pat McCasland	**Sample Name:** SE14M652803BH5-25	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	69.5	50-150	---
p-Terphenyl	8015 mod.	59.1	50-150	---
1,2-Dichloroethane-d4	8260b	84.5	65-115	---
Toluene-d8	8260b	101	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143451 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH5-25
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	J	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143450
Attn: Pat McCasland	**Sample Name:** SE14M652803BH5-20	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	73.1	50-150	---
p-Terphenyl	8015 mod.	72.9	50-150	---
1,2-Dichloroethane-d4	8260b	79.9	65-115	---
Toluene-d8	8260b	95	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143450 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH5-20
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 10:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	**5.89**	mg/Kg	5	<5	06/09/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/09/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143449
Attn: Pat McCasland	**Sample Name:** SE14M652803BH5-15	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	62.5	50-150	---
p-Terphenyl	8015 mod.	57.9	50-150	---
1,2-Dichloroethane-d4	8260b	77.8	65-115	---
Toluene-d8	8260b	78.2	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143449 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH5-15
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 09:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual.[7]	Prec. [2]	Recov. [3]	CCV[4]	LCS [4]
TPH by GC (as diesel)	**583**	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**297**	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	**253**	µg/Kg	20	<20	06/09/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	**3490**	µg/Kg	1000	<1000	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	**6300**	µg/Kg	1000	<1000	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	**2100**	µg/Kg	1000	<1000	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	**2760**	µg/Kg	1000	<1000	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Exceptions Report:

Report #/Lab ID#: 143448 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH5-10

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane 1-Chlorooctane	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143448
Attn: Pat McCasland	**Sample Name:** SE14M652803BH5-10	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	none/diluted	diluted @ 5X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	none/diluted	diluted @ 250X	D
Toluene-d8	8260b	none/diluted	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143448 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH5-10
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 09:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	**6740**	mg/Kg	50	<50	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**7100**	mg/Kg	50	<50	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	**17800**	µg/Kg	5000	<5000	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	**80000**	µg/Kg	5000	<5000	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	**135000**	µg/Kg	5000	<5000	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	**42000**	µg/Kg	5000	<5000	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	**100000**	µg/Kg	5000	<5000	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Exceptions Report:

Report #/Lab ID#: 143447 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH5-5

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1,2-Dichloroethane-d4	D	levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1-Chlorooctane	D	levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
p-Terphenyl	D	levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
Toluene-d8	D	levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143447
Attn: Pat McCasland	**Sample Name:** SE14M652803BH5-5	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 50X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143447 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH5-5
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 09:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	**19600**	mg/Kg	500	<500	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**16800**	mg/Kg	500	<500	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	**72500**	µg/Kg	5000	<5000	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	**236000**	µg/Kg	5000	<5000	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	**353000**	µg/Kg	5000	<5000	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	**112000**	µg/Kg	5000	<5000	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	**346000**	µg/Kg	5000	<5000	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Exceptions Report:

Report #/Lab ID#: 143446 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH5-2

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1,2-Dichloroethane-d4	D	levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1-Chlorooctane	D	levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
p-Terphenyl	D	levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
Toluene-d8	D	levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

_____

_____

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143446
Attn: Pat McCasland	**Sample Name:** SE14M652803BH5-2	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 50X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143446 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH5-2
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 09:10

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	**19800**	mg/Kg	500	<500	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**15300**	mg/Kg	500	<500	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	**34800**	µg/Kg	5000	<5000	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	**180000**	µg/Kg	5000	<5000	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	**305000**	µg/Kg	5000	<5000	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	**99900**	µg/Kg	5000	<5000	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	**215000**	µg/Kg	5000	<5000	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143445
Attn: Pat McCasland	**Sample Name:** SE14M652803BH4-15	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	79.9	50-150	---
p-Terphenyl	8015 mod.	66	50-150	---
1,2-Dichloroethane-d4	8260b	82.2	65-115	---
Toluene-d8	8260b	113	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143445 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH4-15
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 08:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	5.52	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	<20	µg/Kg	20	<20	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143444
Attn: Pat McCasland	**Sample Name:** SE14M652803BH4-10	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	71	50-150	---
p-Terphenyl	8015 mod.	53.5	50-150	---
1,2-Dichloroethane-d4	8260b	67.8	65-115	---
Toluene-d8	8260b	65.1	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143444 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH4-10
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 08:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	<20	µg/Kg	20	<20	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143443
Attn: Pat McCasland	**Sample Name:** SE14M652803BH4-5	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	71.8	50-150	---
p-Terphenyl	8015 mod.	55.4	50-150	---
1,2-Dichloroethane-d4	8260b	87.1	65-115	---
Toluene-d8	8260b	101	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143443 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH4-5
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 08:10

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	**6.51**	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	<20	µg/Kg	20	<20	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Exceptions Report:

Report #/Lab ID#: 143442 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH4-2

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1,2-Dichloroethane-d4	D	levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1-Chlorooctane	D	levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
p-Terphenyl	D	levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
Toluene-d8	D	levels). Surrogate recoveries not accurately quantifiable.

Notes:

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143442
Attn: Pat McCasland	**Sample Name:** SE14M652803BH4-2	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 50X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143442 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH4-2
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 08:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	**34300**	mg/Kg	500	<500	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**22600**	mg/Kg	500	<500	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	**24700**	µg/Kg	5000	<5000	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	**168000**	µg/Kg	5000	<5000	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	**329000**	µg/Kg	5000	<5000	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	**114000**	µg/Kg	5000	<5000	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	**166000**	µg/Kg	5000	<5000	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

Send Repor Co:

Company Name Environmental Plus

Address 2100 Ave O

City Eunice State N.M Zip 88231

ATTN: Pat McCasland

Phone 505-394-3481 Fax 505-394-2601

Bill to (if diffe t):

Company Name EOTT Energy

Address 5805 Hwy 80

City Midland State TX Zip 79701

ATTN: Frank Hernandez

Phone 915-638-3799 Fax

4221 Freidrich Lane, Suite 190, Austin, TX
(512) 444-5896

Rush Status (must be confirmed with lab mgr.):

Project Name/PO#: 2003-00136 Sampler: Bradley Blanchard

19 Mile #6

Analyses Requested (1)
Please attach explanatory information as re

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	TPH 8015m	BTEX 8021b	Comments
SE14M652703BH3-10'	5-27-03	1:30	1	X			143440	X	X	
SE14M652703BH3-15'	5-27-03	2:30	1	X			143441	X	X	

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal re limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Polli ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T=5.2°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Tim
TJS	EPI	5/27/03		Melanie Humphrey	ASI	6/3/03	10:3

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

4221 Freidrich Lane, Suite 190, Austin, TX 7
(512) 444-5896

Company Name Environmental Plus
Address 2100 Ave O
City Eunice State N.M Zip 88231
ATTN: Pat McCasland
Phone 505-394-3481 Fax 505-394-2601

Company Name Eott Energy
Address 5805 Hwy 80
City Midland State TX Zip 79701
ATTN: Frank Hernandez
Phone 915-638-3799 Fax

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2003-00136 14 MAIN #6 Sampler: Bradley Blair

Analyses Requested (1)
Please attach explanatory information as rec

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	TPH 418.1	BTEX 8021B	Comments
SE14M652703BH1-2'	5-27-03	10:00	1	X			143430	X	X	
SE14M652703BH1-5'	5-27-03	10:15	1	X			143431	X	X	
SE14M652703BH1-10'	5-27-03	10:30	1	X			143432	X	X	
SE14M652703BH1-15'	5-27-03	10:45	1	X			143433	X	X	
SE14M652703BH2-2'	5-27-03	11:00	1	X			143434	X	X	
SE14M652703BH2-5'	5-27-03	11:10	1	X			143435	X	X	
SE14M652703BH2-10'	5-27-03	11:20	1	X			143436	X	X	
SE14M652703BH2-15'	5-27-03	11:40	1	X			143437	X	X	
SE14M652703BH3-2'	5-27-03	12:45	1	X			143438	X	X	
SE14M652703BH3-5'	5-27-03	1:15	1	X			143439	X	X	

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal rep limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pollut ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T= 5.2°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bradley Blair	Environmental Plus	5-27-03		Melanie Humphrey	ASI	6/3/03	10 30

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

Exceptions Report:

Report #/Lab ID#: 143462 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH8-5'

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane 1-Chlorooctane	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes:

AnalySys inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143463 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH8-10'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 08:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

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ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14" Main #6	**Report#/Lab ID#:** 143463
Attn: Pat McCasland	**Sample Name:** SE14M652903BH8-10'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	72.1	50-150	---
p-Terphenyl	8015 mod.	50.6	50-150	---
1,2-Dichloroethane-d4	8260b	83.9	65-115	---
Toluene-d8	8260b	98.6	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143464 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH8-15'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 08:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/09/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/09/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

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Respectfully Submitted,

Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14" Main #6	**Report#/Lab ID#:** 143464
Attn: Pat McCasland	**Sample Name:** SE14M652903BH8-15'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.3	50-150	---
p-Terphenyl	8015 mod.	81.7	50-150	---
1,2-Dichloroethane-d4	8260b	84	65-115	---
Toluene-d8	8260b	101	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.
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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143465 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH9-2'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 08:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**11100**	mg/Kg	500	<500	06/06/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**17200**	mg/Kg	500	<500	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/07/03	8260b	---	---	---	---	---
Benzene	**64600**	µg/Kg	5000	<5000	06/07/03	8260b	---	3.6	81.7	88.2	83.2
Ethylbenzene	**226000**	µg/Kg	5000	<5000	06/07/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	**367000**	µg/Kg	5000	<5000	06/07/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	**118000**	µg/Kg	5000	<5000	06/07/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	**291000**	µg/Kg	5000	<5000	06/07/03	8260b	---	0.6	82.2	88.5	84.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14" Main #6	**Report#/Lab ID#:** 143465
Attn: Pat McCasland	**Sample Name:** SE14M652903BH9-2'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 50X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143465 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH9-2'

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane 1-Chlorooctane	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143466 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH9-5'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 09:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**10800**	mg/Kg	500	<500	06/06/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**12900**	mg/Kg	500	<500	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/07/03	8260b	---	---	---	---	---
Benzene	**43000**	µg/Kg	5000	<5000	06/07/03	8260b	---	3.6	81.7	88.2	83.2
Ethylbenzene	**163000**	µg/Kg	5000	<5000	06/07/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	**275000**	µg/Kg	5000	<5000	06/07/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	**86300**	µg/Kg	5000	<5000	06/07/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	**217000**	µg/Kg	5000	<5000	06/07/03	8260b	---	0.6	82.2	88.5	84.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14" Main #6	**Report#/Lab ID#:** 143466
Attn: Pat McCasland	**Sample Name:** SE14M652903BH9-5'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 50X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143466 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH9-5'

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
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J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane 1-Chlorooctane	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143467 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH9-10'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 09:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/09/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/09/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14" Main #6	**Report#/Lab ID#:** 143467
Attn: Pat McCasland	**Sample Name:** SE14M652903BH9-10'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	73.5	50-150	---
p-Terphenyl	8015 mod.	71.6	50-150	---
1,2-Dichloroethane-d4	8260b	83.7	65-115	---
Toluene-d8	8260b	109	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143468 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH9-15'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 09:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/09/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/09/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14" Main #6	**Report#/Lab ID#:** 143468
Attn: Pat McCasland	**Sample Name:** SE14M652903BH9-15'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	76.3	50-150	---
p-Terphenyl	8015 mod.	74.2	50-150	---
1,2-Dichloroethane-d4	8260b	91.3	65-115	---
Toluene-d8	8260b	109	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143469 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH10-2'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 10:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**8300**	mg/Kg	100	<100	06/06/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**6260**	mg/Kg	100	<100	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	**9480**	µg/Kg	1000	<1000	06/09/03	8260b	---	3.6	81.7	88.2	83.2
Ethylbenzene	**56000**	µg/Kg	1000	<1000	06/09/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	**101000**	µg/Kg	1000	<1000	06/09/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	**35400**	µg/Kg	1000	<1000	06/09/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	**81400**	µg/Kg	1000	<1000	06/09/03	8260b	---	0.6	82.2	88.5	84.8

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14" Main #6	**Report#/Lab ID#:** 143469
Attn: Pat McCasland	**Sample Name:** SE14M652903BH10-2'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 10X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 10X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 50X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 50X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143469 **Matrix:** soil
Client: *Environmental Plus, Inc.* **Attn:** Pat McCasland
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH10-2'

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane 1-Chlorooctane	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143470 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH10-5'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 10:35

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**94.3**	mg/Kg	5	<5	06/11/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**34.4**	mg/Kg	5	<5	06/11/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	J	3.6	81.7	88.2	83.2
Ethylbenzene	**484**	µg/Kg	20	<20	06/09/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	**903**	µg/Kg	20	<20	06/09/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	**346**	µg/Kg	20	<20	06/09/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	**227**	µg/Kg	20	<20	06/09/03	8260b	---	0.6	82.2	88.5	84.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.
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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00136 14" Main #6 **Sample Name:** SE14M652903BH10-5'	**Report#/Lab ID#:** 143470 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	64.2	50-150	---
p-Terphenyl	8015 mod.	61	50-150	---
1,2-Dichloroethane-d4	8260b	82.1	65-115	---
Toluene-d8	8260b	92.9	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143470 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH10-5'

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.

Notes: _____

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143471 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH10-10'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 11:05

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/11/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/11/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143472 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH10-15'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 11:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/11/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/11/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14" Main #6	**Report#/Lab ID#:** 143471
Attn: Pat McCasland	**Sample Name:** SE14M652903BH10-10'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	75	50-150	---
p-Terphenyl	8015 mod.	57.3	50-150	---
1,2-Dichloroethane-d4	8260b	86.4	65-115	---
Toluene-d8	8260b	104	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143430 **Report Date:** 06/10/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH1-2
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/27/2003 **Time:** 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**11.9**	mg/Kg	5	<5	06/05/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/05/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	J	5.7	101.7	98.4	102.1
m,p-Xylenes	**39.3**	µg/Kg	20	<20	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	J	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	J	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143430
Attn: Pat McCasland	**Sample Name:** SE14M652703BH1-2	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	75.9	50-150	---
p-Terphenyl	8015 mod.	54	50-150	---
1,2-Dichloroethane-d4	8260b	89.6	65-115	---
Toluene-d8	8260b	103	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143430 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH1-2

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
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J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes:

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143431 **Report Date:** 06/10/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH1-5
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/27/2003 **Time:** 10:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/05/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/05/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	J	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143431
Attn: Pat McCasland	**Sample Name:** SE14M652703BH1-5	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	78.6	50-150	---
p-Terphenyl	8015 mod.	50.7	50-150	---
1,2-Dichloroethane-d4	8260b	88.3	65-115	---
Toluene-d8	8260b	114	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143431 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH1-5

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.

Notes:

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Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143432 **Report Date:** 06/10/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH1-10
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/27/2003 **Time:** 10:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<10	mg/Kg	10	<10	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<10	mg/Kg	10	<10	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	<20	µg/Kg	20	<20	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.7	90.1	110.3	91.2

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143432
Attn: Pat McCasland	**Sample Name:** SE14M652703BH1-10	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	82.9	50-150	---
p-Terphenyl	8015 mod.	63.4	50-150	---
1,2-Dichloroethane-d4	8260b	77.2	65-115	---
Toluene-d8	8260b	96.1	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143433 **Report Date:** 06/10/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH1-15
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/27/2003 **Time:** 10:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	<20	µg/Kg	20	<20	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143433
Attn: Pat McCasland	**Sample Name:** SE14M652703BH1-15	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	77.8	50-150	---
p-Terphenyl	8015 mod.	55.9	50-150	---
1,2-Dichloroethane-d4	8260b	90.3	65-115	---
Toluene-d8	8260b	102	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys inc.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143434 **Report Date:** 06/10/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH2-2
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/27/2003 **Time:** 11:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**27.8**	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	J	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	J	5.7	101.7	98.4	102.1
m,p-Xylenes	**35.4**	µg/Kg	20	<20	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	J	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	J	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143434
Attn: Pat McCasland	**Sample Name:** SE14M652703BH2-2	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	83.1	50-150	---
p-Terphenyl	8015 mod.	63.8	50-150	---
1,2-Dichloroethane-d4	8260b	88.8	65-115	---
Toluene-d8	8260b	106	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143434 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH2-2

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	J	See J-flag discussion above.
Ethylbenzene	J	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.

Notes: _____

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143435 **Report Date:** 06/10/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH2-5
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/27/2003 **Time:** 11:10

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	<20	µg/Kg	20	<20	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143435
Attn: Pat McCasland	**Sample Name:** SE14M652703BH2-5	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	70.2	50-150	---
p-Terphenyl	8015 mod.	51.7	50-150	---
1,2-Dichloroethane-d4	8260b	87.4	65-115	---
Toluene-d8	8260b	101	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143436 **Report Date:** 06/10/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH2-10
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/27/2003 **Time:** 11:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	156	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	12.2	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	<20	µg/Kg	20	<20	06/05/03	8260b	J	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.7	90.1	110.3	91.2

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143436
Attn: Pat McCasland	**Sample Name:** SE14M652703BH2-10	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	70.2	50-150	---
p-Terphenyl	8015 mod.	50.8	50-150	---
1,2-Dichloroethane-d4	8260b	94.7	65-115	---
Toluene-d8	8260b	114	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143436 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH2-10

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

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J flag Discussion

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Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
m,p-Xylenes	J	See J-flag discussion above.

Notes: _____

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Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143437 **Report Date:** 06/10/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH2-15
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/27/2003 **Time:** 11:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	<20	µg/Kg	20	<20	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143437
Attn: Pat McCasland	**Sample Name:** SE14M652703BH2-15	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	76.2	50-150	---
p-Terphenyl	8015 mod.	53.7	50-150	---
1,2-Dichloroethane-d4	8260b	91.2	65-115	---
Toluene-d8	8260b	114	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143438 **Report Date:** 06/10/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH3-2
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/27/2003 **Time:** 12:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**2240**	mg/Kg	25	<25	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**1210**	mg/Kg	25	<25	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	**106**	µg/Kg	20	<20	06/09/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	**13400**	µg/Kg	1000	<1000	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	**24300**	µg/Kg	1000	<1000	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	**8260**	µg/Kg	1000	<1000	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	**6890**	µg/Kg	1000	<1000	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143438
Attn: Pat McCasland	**Sample Name:** SE14M652703BH3-2	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 2.5X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 2.5X	D
1,2-Dichloroethane-d4	8260b	85.1	65-115	---
Toluene-d8	8260b	90.4	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143438 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH3-2

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1-Chlorooctane	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1-Chlorooctane	D	levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
p-Terphenyl	D	levels). Surrogate recoveries not accurately quantifiable.

Notes:

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143439 **Report Date:** 06/10/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH3-5
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/27/2003 **Time:** 13:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	<20	µg/Kg	20	<20	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00136 14 Main #6 **Sample Name:** SE14M652703BH3-5	**Report#/Lab ID#:** 143439 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	71.6	50-150	---
p-Terphenyl	8015 mod.	57.9	50-150	---
1,2-Dichloroethane-d4	8260b	87.7	65-115	---
Toluene-d8	8260b	105	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143440 **Report Date:** 06/10/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH3-10
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/27/2003 **Time:** 13:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	<20	µg/Kg	20	<20	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143440
Attn: Pat McCasland	**Sample Name:** SE14M652703BH3-10	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	82.6	50-150	---
p-Terphenyl	8015 mod.	58.1	50-150	---
1,2-Dichloroethane-d4	8260b	94	65-115	---
Toluene-d8	8260b	109	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143441 **Report Date:** 06/10/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652703BH3-15
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/27/2003 **Time:** 14:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	3.5	74.4	88.9	78.2
TPH by GC (as diesel-ext)	---	---	---	---	06/05/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/06/03	8015 mod.	---	0.5	80	94.9	80.2
Volatile organics-8260b/BTEX	---		---		06/05/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	2.4	83.2	86.9	84.8
Ethylbenzene	<20	µg/Kg	20	<20	06/05/03	8260b	---	5.7	101.7	98.4	102.1
m,p-Xylenes	<20	µg/Kg	20	<20	06/05/03	8260b	---	3.3	109.7	100.7	114.3
o-Xylene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.1	107.1	98.4	111.1
Toluene	<20	µg/Kg	20	<20	06/05/03	8260b	---	4.7	90.1	110.3	91.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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ANALYSYS INC.

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143441
Attn: Pat McCasland	**Sample Name:** SE14M652703BH3-15	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	78	50-150	---
p-Terphenyl	8015 mod.	63.3	50-150	---
1,2-Dichloroethane-d4	8260b	88.2	65-115	---
Toluene-d8	8260b	105	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14" Main #6	**Report#/Lab ID#:** 143472
Attn: Pat McCasland	**Sample Name:** SE14M652903BH10-15'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	74.5	50-150	---
p-Terphenyl	8015 mod.	58.1	50-150	---
1,2-Dichloroethane-d4	8260b	85.6	65-115	---
Toluene-d8	8260b	103	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143473 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH11-2'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 01:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**15600**	mg/Kg	100	<100	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**10000**	mg/Kg	100	<100	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/09/03	8260b	---	---	---	---	---
Benzene	**8700**	µg/Kg	1000	<1000	06/09/03	8260b	---	3.6	81.7	88.2	83.2
Ethylbenzene	**60800**	µg/Kg	1000	<1000	06/09/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	**100000**	µg/Kg	1000	<1000	06/09/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	**32800**	µg/Kg	1000	<1000	06/09/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	**82900**	µg/Kg	1000	<1000	06/09/03	8260b	---	0.6	82.2	88.5	84.8

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14" Main #6	**Report#/Lab ID#:** 143473
Attn: Pat McCasland	**Sample Name:** SE14M652903BH11-2'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 10X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 10X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 50X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 50X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143473 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH11-2'

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane 1-Chlorooctane	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes:

AnalySys Inc.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143474 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH11-5'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 01:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/11/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/11/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.
3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00136 14" Main #6 **Sample Name:** SE14M652903BH11-5'	**Report#/Lab ID#:** 143474 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	84.5	50-150	---
p-Terphenyl	8015 mod.	80.7	50-150	---
1,2-Dichloroethane-d4	8260b	76.9	65-115	---
Toluene-d8	8260b	87.5	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143475 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH11-10'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 01:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/11/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/11/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.6	81.7	88.2	83.2
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	82.2	88.5	84.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00136 14" Main #6 **Sample Name:** SE14M652903BH11-10'	**Report#/Lab ID#:** 143475 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	78.2	50-150	---
p-Terphenyl	8015 mod.	69.7	50-150	---
1,2-Dichloroethane-d4	8260b	86.7	65-115	---
Toluene-d8	8260b	103	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

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Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143476 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH11-15'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 02:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	---	---	---	---	06/11/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	---	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.6	81.7	88.2	83.2
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	82.2	88.5	84.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc. **Attn:** Pat McCasland	**Project ID:** 2003-00136 14" Main #6 **Sample Name:** SE14M652903BH11-15'	**Report#/Lab ID#:** 143476 **Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	85.2	50-150	---
p-Terphenyl	8015 mod.	82.4	50-150	---
1,2-Dichloroethane-d4	8260b	89.7	65-115	---
Toluene-d8	8260b	117	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Send Report to:
Company Name Environmental Plus
Address 2100 Ave O
City Eunice State NM Zip 88231
ATTN: Kat McCasland
Phone 505-394-3481 Fax 505-394-2601

Bill to (if different):
Company Name Eott Energy
Address 5805 Hwy 80
City Midland State Tx Zip 79701
ATTN: Frank Hernandez
Phone 915-638-3799 Fax

4221 Freidrich Lane, Suite 190, Austin, TX
(512) 444-5896

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2003-00134 14" MAIN #6 Sampler: Bradley Blair

Analyses Requested (1)
Please attach explanatory information as

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	TPH 8015m	BTEX 8021b	Comments
SE14M652903BH18-2	5-29-03	7:30	1	X			143461	X	X	
SE14M652903BH8-5	5-29-03	7:45	1	X			143462	X	X	
SE14M652903BH8-10	5-29-03	8:00	1	X			143463	X	X	
SE14M652903BH8-15	5-29-03	8:20	1	X			143464	X	X	
SE14M652903BH9-2	5-29-03	8:45	1	X			143465	X	X	
SE14M652903BH9-5	5-29-03	9:00	1	X			143466	X	X	
SE14M652903BH9-10	5-29-03	9:20	1	X			143467	X	X	
SE14M652903BH9-15	5-29-03	9:45	1	X			143468	X	X	
SE14M652903BH10-2	5-29-03	10:20	1	X			143469	X	X	
SE14M652903BH10-5	5-29-03	10:35	1	X			143470	X	X	

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal r
limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Poll
ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T=5.3°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Tim
Bradley Blair	Environmental Plus	5-29-03		Melanie Humphrey	ASI	6/3/03	10:3

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

Company Name Environmental Plus
Address 2100 Ave O
City Eunice State N.M Zip 88231
ATTN: Pat McCasland
Phone 505-394-3481 Fax 505-394-2601

Company Name Eott Energy
Address 5805 Hwy 80
City Midland State Tx Zip 79701
ATTN: Frank Hernandez
Phone 915-638-3799 Fax

4221 Freidrich Lane, Suite 190, Austin, TX
(512) 444-5896

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2003-00136 14 mann #6 Sampler: Bradley Blair

Analyses Requested (
Please attach explanatory information as

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	TPH 8015M	BTEX 8021B	Comments
SE14M652903BH10-5	5-29-03	10:35	1	X				X	X	
SE14M652903BH10-10	5-29-03	11:05	1	X			143471	X	X	
SE14M652903BH10-15	5-29-03	11:45	1	X			143472	X	X	
SE14M652903BH11-2	5-29-03	1:00	1	X			143473	X	X	
SE14M652903BH11-5	5-29-03	1:20	1	X			143474	X	X	
SE14M652903BH11-10	5-29-03	1:40	1	X			143475	X	X	
SE14M652903BH11-15	5-29-03	2:30	1	X			143476	X	X	

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limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Pol
ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T=5.3

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Tin
Bradley Blair	Environmental Plus	5-29-03		Melanie Humphrey	ASI	6/3/03	10:3

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

ANALYSYS INC.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143455
Attn: Pat McCasland	**Sample Name:** SE14M652803BH6-15	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	77.2	50-150	---
p-Terphenyl	8015 mod.	78.6	50-150	---
1,2-Dichloroethane-d4	8260b	78.7	65-115	---
Toluene-d8	8260b	109	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ANALYSYS INC.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143456 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH7-2
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 13:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	**12700**	mg/Kg	100	<100	06/06/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**9230**	mg/Kg	100	<100	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	**10700**	µg/Kg	5000	<5000	06/06/03	8260b	---	3.6	81.7	88.2	83.2
Ethylbenzene	**75400**	µg/Kg	5000	<5000	06/06/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	**148000**	µg/Kg	5000	<5000	06/06/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	**50600**	µg/Kg	5000	<5000	06/06/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	**81200**	µg/Kg	5000	<5000	06/06/03	8260b	---	0.6	82.2	88.5	84.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143456
Attn: Pat McCasland	**Sample Name:** SE14M652803BH7-2	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 10X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 10X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143456 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH7-2

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane 1-Chlorooctane	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes:

AnalySys Inc.

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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143457 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH7-5
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 13:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	**11300**	mg/Kg	500	<500	06/06/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**13800**	mg/Kg	500	<500	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	**53900**	µg/Kg	5000	<5000	06/06/03	8260b	---	3.6	81.7	88.2	83.2
Ethylbenzene	**179000**	µg/Kg	5000	<5000	06/06/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	**301000**	µg/Kg	5000	<5000	06/06/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	**94300**	µg/Kg	5000	<5000	06/06/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	**240000**	µg/Kg	5000	<5000	06/06/03	8260b	---	0.6	82.2	88.5	84.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143457
Attn: Pat McCasland	**Sample Name:** SE14M652803BH7-5	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	none/diluted	diluted @ 50X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	none/diluted	diluted @ 250X	D
Toluene-d8	8260b	none/diluted	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143457 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH7-5

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
☐ Sample received in appropriate container(s). State of sample preservation unknown.
☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane 1-Chlorooctane	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143458 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH7-10
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 13:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	**12600**	mg/Kg	500	<500	06/06/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**12800**	mg/Kg	500	<500	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	**31100**	µg/Kg	5000	<5000	06/06/03	8260b	---	3.6	81.7	88.2	83.2
Ethylbenzene	**155000**	µg/Kg	5000	<5000	06/06/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	**262000**	µg/Kg	5000	<5000	06/06/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	**84800**	µg/Kg	5000	<5000	06/06/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	**188000**	µg/Kg	5000	<5000	06/06/03	8260b	---	0.6	82.2	88.5	84.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143458
Attn: Pat McCasland	**Sample Name:** SE14M652803BH7-10	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 50X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143458 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH7-10

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1,2-Dichloroethane-d4	D	levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
1-Chlorooctane	D	levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
p-Terphenyl	D	levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8	D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic
Toluene-d8	D	levels). Surrogate recoveries not accurately quantifiable.

Notes:

AnalySys Inc.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143459 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH7-15
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 14:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/09/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/09/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.
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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143459
Attn: Pat McCasland	**Sample Name:** SE14M652803BH7-15	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	77.2	50-150	---
p-Terphenyl	8015 mod.	75.7	50-150	---
1,2-Dichloroethane-d4	8260b	81.6	65-115	---
Toluene-d8	8260b	104	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

AnalySys Inc.

3512 Montopolis Drive, Austin, TX 78744 &
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(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143460 **Report Date:** 06/11/03
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH7-20
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/28/2003 **Time:** 15:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA [1]

Parameter	Result	Units	RQL [5]	Blank	Date	Method [6]	Data Qual. [7]	Prec. [2]	Recov. [3]	CCV [4]	LCS [4]
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/09/03	8015 mod.	J	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/09/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	2.2	82	82.3	84.4
Ethylbenzene	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.6	103.1	105.9	102.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/06/03	8260b	---	0.4	107.7	110.8	113.8
o-Xylene	<20	µg/Kg	20	<20	06/06/03	8260b	---	9.5	97	109.7	111.9
Toluene	<20	µg/Kg	20	<20	06/06/03	8260b	---	3.4	85.9	86.6	92.2

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.
3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14 Main #6	**Report#/Lab ID#:** 143460
Attn: Pat McCasland	**Sample Name:** SE14M652803BH7-20	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limitse	Data Qualifiers
1-Chlorooctane	8015 mod.	75.5	50-150	---
p-Terphenyl	8015 mod.	75.5	50-150	---
1,2-Dichloroethane-d4	8260b	83	65-115	---
Toluene-d8	8260b	106	50-120	---

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143460 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14 Main #6
Sample Name: SE14M652803BH7-20

Sample Temperature/Condition: <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation:

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion:

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as diesel)	J	See J-flag discussion above.

Notes: _____

Company Name Environmental Plus
Address 2100 Ave O
City Eunice State NM Zip 88231
ATTN: Pat McCasland
Phone 505.394.3481 Fax 505.394.2601

Company Name Eott Energy
Address 5805 Hwy 80
City Midland State TX Zip 79701
ATTN: Frank Hernandez
Phone 915.638.3799 Fax

4221 Freidrich Lane, Suite 190, Austin,
(512) 444-5896

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2003-00134 14 Main #6 Sampler: [illegible]

Analyses Requested
Please attach explanatory information

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	TPH 8015m	BTex 8021b	Comment
SE14M652803BH4-2	5-28-03	8:00	1	X			143442	X	X	
SE14M652803BH4-5	5-28-03	8:10	1	X			143443	X	X	
SE14M652803BH4-10	5-28-03	8:25	1	X			143444	X	X	
SE14M652803BH4-15	5-28-03	8:40	1	X			143445	X	X	
SE14M652803BH5-2	5-28-03	9:10	1	X			143446	X	X	
SE14M652803BH5-5	5-28-03	9:20	1	X			143447	X	X	
SE14M652803BH5-10	5-28-03	9:30	1	X			143448	X	X	
SE14M652803BH5-15	5-28-03	9:40	1	X			143449	X	X	
SE14M652803BH5-20	5-28-03	10:20	1	X			143450	X	X	
SE14M652803BH5-25	5-28-03	11:00	1	X			143451	X	X	

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's norma limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority P ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T= 5.3°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Ti
[illegible]	Environmental Plus	5-29-03		Melanie Humphrey	ASI	6/3/03	10:

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

Send Report To:
Company Name Environmental Plus
Address 2100 Ave O
City Eunice State N.M. Zip 88231
ATTN: Pat McCasland
Phone 505-394-3481 Fax 505-394-2601

Bill to (if differ):
Company Name Eott Energy
Address 8805 Hwy 80
City Midland State Tx Zip 79701
ATTN: Frank Hernandez
Phone 915-638-3799 Fax

4221 Freidrich Lane, Suite 190, Austin, T
(512) 444-5896

Rush Status (must be confirmed with lab mgr.):
Project Name/PO#: 2003-20136 14 MAIN #6 Sampler: Bradley Blan

Analyses Requested
Please attach explanatory information a

Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)	TPH 8015m	BTEX 8021B	Comment
SE14M652803BH6-2	5-28-03	11:20	1	X			143452	X	X	
SE14M652803BH6-5	5-28-03	11:30	1	X			143453	X	X	
SE14M652803BH6-10	5-28-03	11:45	1	X			143454	X	X	
SE14M652803BH6-15	5-28-03	12:00	1	X			143455	X	X	
SE14M652803BH7-2	5-28-03	1:20	1	X			143456	X	X	
SE14M652803BH7-5	5-28-03	1:30	1	X			143457	X	X	
SE14M652803BH7-10	5-28-03	1:45	1	X			143458	X	X	
SE14M62803BH7-15	5-28-03	2:20	1	X			143459	X	X	
SE14M62803BH7-20	5-28-03	3:00	1	X			143460	X	X	

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal limits (MDL/PQL). For GC/MS volatiles and extractables, unless specific analytical parameter lists are specified on this chain-of-custody or attached to this chain-of-custody, ASI will default to Priority Po ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

T = 5.3°C

Sample Relinquished By				Sample Received By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Ti
Bradley Blan	Environmental Plus	5-28-03		Melanie Humphrey	ASI	6/3/03	10:

[Tendering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

AnalySys Inc.
3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143461 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH8-2'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 07:30

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**32300**	mg/Kg	500	<500	06/06/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**19800**	mg/Kg	500	<500	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/06/03	8260b	---	---	---	---	---
Benzene	**28200**	µg/Kg	5000	<5000	06/06/03	8260b	---	3.6	81.7	88.2	83.2
Ethylbenzene	**176000**	µg/Kg	5000	<5000	06/06/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	**299000**	µg/Kg	5000	<5000	06/06/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	**99700**	µg/Kg	5000	<5000	06/06/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	**193000**	µg/Kg	5000	<5000	06/06/03	8260b	---	0.6	82.2	88.5	84.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

ANALYSYS INC.
3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14" Main #6	**Report#/Lab ID#:** 143461
Attn: Pat McCasland	**Sample Name:** SE14M652903BH8-2'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 50X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

Exceptions Report:

Report #/Lab ID#: 143461 **Matrix:** soil
Client: Environmental Plus, Inc. **Attn:** Pat McCasland
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH8-2'

Sample Temperature/Condition <=6°C

The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

- ☒ Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under TCEQ-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for background levels/blanks and other potential sources of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the Detection Limit. Because the reported result is below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been verified as to the presence and relative ratio of target ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment noise.)

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
1-Chlorooctane 1-Chlorooctane	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
p-Terphenyl p-Terphenyl	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.

Notes: _____

ANALYSYS INC.

3512 Montopolis Drive, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 2100 Ave. O
Eunice NM 88231

Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 143462 **Report Date:** 06/13/03
Project ID: 2003-00136 14" Main #6
Sample Name: SE14M652903BH8-5'
Sample Matrix: soil
Date Received: 06/03/2003 **Time:** 10:30
Date Sampled: 05/29/2003 **Time:** 07:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA[1]

Parameter	Result	Units	RQL[5]	Blank	Date	Method[6]	Data Qual[7]	Prec.[2]	Recov.[3]	CCV[4]	LCS[4]
TPH by GC (as diesel)	**14800**	mg/Kg	500	<500	06/06/03	8015 mod.	---	3.4	77.6	88.9	72
TPH by GC (as diesel-ext)	---	---	---	---	06/06/03	3540	---	---	---	---	---
TPH by GC (as gasoline)	**16600**	mg/Kg	500	<500	06/06/03	8015 mod.	---	0.5	79.4	97	81.1
Volatile organics-8260b/BTEX	---		---		06/07/03	8260b	---	---	---	---	---
Benzene	**19800**	µg/Kg	5000	<5000	06/07/03	8260b	---	3.6	81.7	88.2	83.2
Ethylbenzene	**116000**	µg/Kg	5000	<5000	06/07/03	8260b	---	4.1	95.1	97.3	97.9
m,p-Xylenes	**199000**	µg/Kg	5000	<5000	06/07/03	8260b	---	0.7	104.9	107.2	106
o-Xylene	**62800**	µg/Kg	5000	<5000	06/07/03	8260b	---	1.6	102.2	104.5	105.2
Toluene	**136000**	µg/Kg	5000	<5000	06/07/03	8260b	---	0.6	82.2	88.5	84.8

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B =Analyte detected in associated method blank(s). S1 =MS and/or MSD recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 385-5886 • FAX (512) 385-7411

Client: Environmental Plus, Inc.	**Project ID:** 2003-00136 14" Main #6	**Report#/Lab ID#:** 143462
Attn: Pat McCasland	**Sample Name:** SE14M652903BH8-5'	**Sample Matrix:** soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	**none/diluted**	diluted @ 50X	D
p-Terphenyl	8015 mod.	**none/diluted**	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	**none/diluted**	diluted @ 250X	D
Toluene-d8	8260b	**none/diluted**	diluted @ 250X	D

Data Qualifiers: D= Surrogates diluted and X= Surrogates outside advisory recovery limits.

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Vacuum To Jal 14 inch Mainline #6
Project Number: 2003-00135
Location: None Given

Lab Order Number: 4E21005

Report Date: 05/27/04

ns All American EH & S	Project: Vacuum To Jal 14 inch Mainline #6	Fax: (432) 687-4914
1 S. County Road 1150	Project Number: 2003-00135	**Reported:**
lland TX, 79706-4476	Project Manager: Jeff Dann	05/27/04 09:49

ANALYTICAL REPORT FOR SAMPLES

ıple ID	Laboratory ID	Matrix	Date Sampled	Date Received
'J6514041	4E21005-01	Soil	05/14/04 11:35	05/21/04 09:25
'J6514042	4E21005-02	Soil	05/14/04 11:36	05/21/04 09:25
'J6514043	4E21005-03	Soil	05/14/04 11:37	05/21/04 09:25
'J6514044	4E21005-04	Soil	05/14/04 11:38	05/21/04 09:25
'J6518046	4E21005-05	Soil	05/18/04 10:55	05/21/04 09:25
'J6518047	4E21005-06	Soil	05/18/04 10:59	05/21/04 09:25
'J6518048	4E21005-07	Soil	05/18/04 11:02	05/21/04 09:25
'J6518049	4E21005-08	Soil	05/18/04 11:05	05/21/04 09:25
'J65180410	4E21005-09	Soil	05/18/04 11:07	05/21/04 09:25
'J65180411	4E21005-10	Soil	05/18/04 01:14	05/21/04 09:25
'J65180412	4E21005-11	Soil	05/18/04 01:16	05/21/04 09:25
'J65180413	4E21005-12	Soil	05/18/04 01:19	05/21/04 09:25
'J65180414	4E21005-13	Soil	05/18/04 01:22	05/21/04 09:25
'J65200415	4E21005-14	Soil	05/20/04 11:26	05/21/04 09:25
'J65200416	4E21005-15	Soil	05/20/04 01:45	05/21/04 09:25
'J65200417	4E21005-16	Soil	05/20/04 02:10	05/21/04 09:25
'J65200418	4E21005-17	Soil	05/20/04 02:14	05/21/04 09:25
'J65200419	4E21005-18	Soil	05/20/04 02:17	05/21/04 09:25
'J65200420	4E21005-19	Soil	05/20/04 02:20	05/21/04 09:25
'J65200421	4E21005-20	Soil	05/20/04 02:40	05/21/04 09:25
'J65200422	4E21005-21	Soil	05/20/04 02:50	05/21/04 09:25
'J65200423	4E21005-22	Soil	05/20/04 03:00	05/21/04 09:25
'J65200424	4E21005-23	Soil	05/20/04 03:10	05/21/04 09:25
'J65200425	4E21005-24	Soil	05/20/04 03:20	05/21/04 09:25
'J65200426	4E21005-25	Soil	05/20/04 03:30	05/21/04 09:25
'J65200427	4E21005-26	Soil	05/20/04 03:40	05/21/04 09:25

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S	Project: Vacuum To Jal 14 inch Mainline #6	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2003-00135	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	05/27/04 09:49

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLVJ6514041 (4E21005-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42501	05/21/04	05/23/04	EPA 8021B	
Toluene	**ND**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.158**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.608**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.304**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**440**	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**2570**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3010**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*121 %*	*70-130*		"	"	"	"	
SLVJ6514042 (4E21005-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42501	05/21/04	05/21/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.9 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.1 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*93.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*98.2 %*	*70-130*		"	"	"	"	

Environmental Lab of Texas

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Quality Assurance Review

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Organics by GC
Environmental Lab of Texas

te	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
6514043 (4E21005-03) Soil									
ne	ND	0.0250	mg/kg dry	25	EE42501	05/21/04	05/21/04	EPA 8021B	
ıe	ND	0.0250	"	"	"	"	"	"	
ıenzene	ND	0.0250	"	"	"	"	"	"	
e (p/m)	ND	0.0250	"	"	"	"	"	"	
e (o)	ND	0.0250	"	"	"	"	"	"	
ɜate: a,a,a-Trifluorotoluene		*85.5 %*	*80-120*		"	"	"	"	
ɜate: 4-Bromofluorobenzene		*85.8 %*	*80-120*		"	"	"	"	
ne Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Range Organics >C12-C35	**J [6.19]**	10.0	"	"	"	"	"	"	J
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ɜate: 1-Chlorooctane		*90.2 %*	*70-130*		"	"	"	"	
ɜate: 1-Chlorooctadecane		*94.6 %*	*70-130*		"	"	"	"	
6514044 (4E21005-04) Soil									
ne	ND	0.0250	mg/kg dry	25	EE42501	05/21/04	05/21/04	EPA 8021B	
ıe	ND	0.0250	"	"	"	"	"	"	
ıenzene	ND	0.0250	"	"	"	"	"	"	
e (p/m)	ND	0.0250	"	"	"	"	"	"	
e (o)	ND	0.0250	"	"	"	"	"	"	
ɜate: a,a,a-Trifluorotoluene		*84.1 %*	*80-120*		"	"	"	"	
ɜate: 4-Bromofluorobenzene		*80.4 %*	*80-120*		"	"	"	"	
ine Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ɜate: 1-Chlorooctane		*86.2 %*	*70-130*		"	"	"	"	
ɜate: 1-Chlorooctadecane		*91.4 %*	*70-130*		"	"	"	"	

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Plains All American EH & S	Project: Vacuum To Jal 14 inch Mainline #6	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2003-00135	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	05/27/04 09:49

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLVJ6518046 (4E21005-05) Soil									
Benzene	**0.177**	0.0250	mg/kg dry	25	EE42501	05/21/04	05/21/04	EPA 8021B	
Toluene	**1.72**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**4.16**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**7.90**	0.0250	"	"	"	"	"	"	
Xylene (o)	**2.68**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*208 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*85.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**338**	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**790**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1130**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*109 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
SLVJ6518047 (4E21005-06) Soil									
Benzene	**2.13**	0.100	mg/kg dry	100	EE42501	05/21/04	05/21/04	EPA 8021B	
Toluene	**19.2**	0.100	"	"	"	"	"	"	
Ethylbenzene	**26.8**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**48.1**	0.100	"	"	"	"	"	"	
Xylene (o)	**19.0**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*364 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*92.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**1350**	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**2790**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**4140**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*126 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*128 %*	*70-130*		"	"	"	"	

Environmental Lab of Texas

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Roland K Tuttle

Quality Assurance Review

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Organics by GC
Environmental Lab of Texas

e	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
5518048 (4E21005-07) Soil									
ne	**1.36**	0.100	mg/kg dry	100	EE42501	05/21/04	05/21/04	EPA 8021B	
ıe	**13.6**	0.100	"	"	"	"	"	"	
enzene	**20.8**	0.100	"	"	"	"	"	"	
e (p/m)	**36.9**	0.100	"	"	"	"	"	"	
e (o)	**13.4**	0.100	"	"	"	"	"	"	
ate: a,a,a-Trifluorotoluene		*292 %*	*80-120*		"	"	"	"	*S-04*
ate: 4-Bromofluorobenzene		*88.7 %*	*80-120*		"	"	"	"	
ne Range Organics C6-C12	**3600**	50.0	mg/kg dry	5	EE42102	05/21/04	05/23/04	EPA 8015M	
Range Organics >C12-C35	**15100**	50.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	**18700**	50.0	"	"	"	"	"	"	
ate: 1-Chlorooctane		*30.6 %*	*70-130*		"	"	"	"	*S-06*
ate: 1-Chlorooctadecane		*58.8 %*	*70-130*		"	"	"	"	*S-06*
5518049 (4E21005-08) Soil									
ıe	ND	0.0250	mg/kg dry	25	EE42501	05/21/04	05/23/04	EPA 8021B	
ıe	ND	0.0250	"	"	"	"	"	"	
enzene	ND	0.0250	"	"	"	"	"	"	
e (p/m)	ND	0.0250	"	"	"	"	"	"	
e (o)	ND	0.0250	"	"	"	"	"	"	
ate: a,a,a-Trifluorotoluene		*85.4 %*	*80-120*		"	"	"	"	
ate: 4-Bromofluorobenzene		*80.5 %*	*80-120*		"	"	"	"	
ne Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ate: 1-Chlorooctane		*87.0 %*	*70-130*		"	"	"	"	
ate: 1-Chlorooctadecane		*91.2 %*	*70-130*		"	"	"	"	

lity Assurance Review

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LVJ65180410 (4E21005-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42501	05/21/04	05/23/04	EPA 8021B	
Toluene	**0.0435**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.117**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.242**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0925**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*85.4 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.6 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**136**	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**2130**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**2270**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*126 %*	*70-130*		"	"	"	"	
LVJ65180411 (4E21005-10) Soil									
Benzene	**0.192**	0.100	mg/kg dry	100	EE42501	05/21/04	05/21/04	EPA 8021B	
Toluene	**1.06**	0.100	"	"	"	"	"	"	
Ethylbenzene	**2.24**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**4.68**	0.100	"	"	"	"	"	"	
Xylene (o)	**1.69**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*119 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**812**	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**5820**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**6630**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*114 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*154 %*	*70-130*		"	"	"	"	*S-04*

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te	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
55180412 (4E21005-11) Soil									
ne	ND	0.0250	mg/kg dry	25	EE42501	05/21/04	05/23/04	EPA 8021B	
ie	ND	0.0250	"	"	"	"	"	"	
enzene	ND	0.0250	"	"	"	"	"	"	
e (p/m)	ND	0.0250	"	"	"	"	"	"	
e (o)	ND	0.0250	"	"	"	"	"	"	
ate: a,a,a-Trifluorotoluene		*84.5 %*	*80-120*		"	"	"	"	
ate: 4-Bromofluorobenzene		*86.0 %*	*80-120*		"	"	"	"	
ne Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Range Organics >C12-C35	**J [6.81]**	10.0	"	"	"	"	"	"	J
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ate: 1-Chlorooctane		*89.2 %*	*70-130*		"	"	"	"	
ate: 1-Chlorooctadecane		*90.8 %*	*70-130*		"	"	"	"	
55180413 (4E21005-12) Soil									
ne	ND	0.0250	mg/kg dry	25	EE42501	05/21/04	05/23/04	EPA 8021B	
ie	ND	0.0250	"	"	"	"	"	"	
enzene	ND	0.0250	"	"	"	"	"	"	
e (p/m)	ND	0.0250	"	"	"	"	"	"	
e (o)	ND	0.0250	"	"	"	"	"	"	
ate: a,a,a-Trifluorotoluene		*84.7 %*	*80-120*		"	"	"	"	
ate: 4-Bromofluorobenzene		*84.5 %*	*80-120*		"	"	"	"	
ne Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Range Organics >C12-C35	**J [7.93]**	10.0	"	"	"	"	"	"	J
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ate: 1-Chlorooctane		*82.4 %*	*70-130*		"	"	"	"	
ate: 1-Chlorooctadecane		*83.4 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LVJ65180414 (4E21005-13) Soil									
Benzene	**J [0.0184]**	0.0250	mg/kg dry	25	EE42501	05/21/04	05/23/04	EPA 8021B	J
Toluene	**0.143**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.358**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.733**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.234**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**129**	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1310**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1440**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*117 %*	*70-130*		"	"	"	"	
LVJ65200415 (4E21005-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42501	05/21/04	05/23/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*82.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*84.6 %*	*70-130*		"	"	"	"	

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te	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
65200416 (4E21005-15) Soil									
ne	ND	0.0250	mg/kg dry	25	EE42501	05/21/04	05/23/04	EPA 8021B	
ıe	ND	0.0250	"	"	"	"	"	"	
enzene	ND	0.0250	"	"	"	"	"	"	
: (p/m)	ND	0.0250	"	"	"	"	"	"	
: (o)	ND	0.0250	"	"	"	"	"	"	
ate: a,a,a-Trifluorotoluene		*82.6 %*	*80-120*		"	"	"	"	
ate: 4-Bromofluorobenzene		*82.9 %*	*80-120*		"	"	"	"	
ıe Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Iydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ate: 1-Chlorooctane		*91.6 %*	*70-130*		"	"	"	"	
ate: 1-Chlorooctadecane		*93.6 %*	*70-130*		"	"	"	"	
5200417 (4E21005-16) Soil									
ıe	**0.204**	0.100	mg/kg dry	100	EE42501	05/21/04	05/23/04	EPA 8021B	
ıe	**0.816**	0.100	"	"	"	"	"	"	
enzene	**1.61**	0.100	"	"	"	"	"	"	
(p/m)	**3.23**	0.100	"	"	"	"	"	"	
(o)	**1.22**	0.100	"	"	"	"	"	"	
ate: a,a,a-Trifluorotoluene		*115 %*	*80-120*		"	"	"	"	
ate: 4-Bromofluorobenzene		*89.6 %*	*80-120*		"	"	"	"	
ıe Range Organics C6-C12	**255**	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Range Organics >C12-C35	**1620**	10.0	"	"	"	"	"	"	
Iydrocarbon C6-C35	**1880**	10.0	"	"	"	"	"	"	
ate: 1-Chlorooctane		*118 %*	*70-130*		"	"	"	"	
ate: 1-Chlorooctadecane		*126 %*	*70-130*		"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLVJ65200418 (4E21005-17) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42501	05/21/04	05/24/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.3 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	
SLVJ65200419 (4E21005-18) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42501	05/21/04	05/24/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.3 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.8 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*81.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*86.6 %*	*70-130*		"	"	"	"	

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te	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
65200420 (4E21005-19) Soil									
ne	**0.0341**	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
ne	**0.0658**	0.0250	"	"	"	"	"	"	
benzene	**0.0609**	0.0250	"	"	"	"	"	"	
e (p/m)	**0.167**	0.0250	"	"	"	"	"	"	
e (o)	**0.0331**	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*88.3 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*81.4 %*	*80-120*		"	"	"	"	
ine Range Organics C6-C12	**18.6**	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
l Range Organics >C12-C35	**392**	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	**411**	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*90.6 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*98.0 %*	*70-130*		"	"	"	"	
65200421 (4E21005-20) Soil									
ne	ND	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
ne	ND	0.0250	"	"	"	"	"	"	
benzene	ND	0.0250	"	"	"	"	"	"	
e (p/m)	ND	0.0250	"	"	"	"	"	"	
e (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*81.9 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*85.7 %*	*80-120*		"	"	"	"	
ine Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
l Range Organics >C12-C35	**J [5.59]**	10.0	"	"	"	"	"	"	J
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*96.8 %*	*70-130*		"	"	"	"	

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Organics by GC

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LVJ65200422 (4E21005-21) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.4 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*88.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.2 %*	*70-130*		"	"	"	"	
LVJ65200423 (4E21005-22) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	**42.8**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**42.8**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	

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yte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
J65200424 (4E21005-23) Soil									
ene	ND	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
ne	ND	0.0250	"	"	"	"	"	"	
benzene	ND	0.0250	"	"	"	"	"	"	
ie (p/m)	ND	0.0250	"	"	"	"	"	"	
ie (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*81.4 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*81.5 %*	*80-120*		"	"	"	"	
ine Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42102	05/21/04	05/23/04	EPA 8015M	
l Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*95.6 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*100 %*	*70-130*		"	"	"	"	
65200425 (4E21005-24) Soil									
ne	ND	0.0250	mg/kg dry	25	EE42504	05/24/04	05/25/04	EPA 8021B	
ie	ND	0.0250	"	"	"	"	"	"	
enzene	ND	0.0250	"	"	"	"	"	"	
e (p/m)	ND	0.0250	"	"	"	"	"	"	
e (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*107 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*96.0 %*	*80-120*		"	"	"	"	
ne Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42103	05/24/04	05/24/04	EPA 8015M	
Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*83.2 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*93.4 %*	*70-130*		"	"	"	"	

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Plains All American EH & S	Project: Vacuum To Jal 14 inch Mainline #6	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2003-00135	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	05/27/04 09:49

Organics by GC

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LVJ65200426 (4E21005-25) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.3 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42103	05/24/04	05/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	**91.0**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**91.0**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*89.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*97.8 %*	*70-130*		"	"	"	"	
LVJ65200427 (4E21005-26) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EE42504	05/24/04	05/24/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*81.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE42103	05/24/04	05/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*89.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*101 %*	*70-130*		"	"	"	"	

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12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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

te	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
6514041 (4E21005-01) Soil									
ids	94.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
6514042 (4E21005-02) Soil									
ids	94.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5514043 (4E21005-03) Soil									
ids	93.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5514044 (4E21005-04) Soil									
ids	91.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5518046 (4E21005-05) Soil									
ids	89.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5518047 (4E21005-06) Soil									
ids	89.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5518048 (4E21005-07) Soil									
ids	95.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5518049 (4E21005-08) Soil									
ids	98.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5180410 (4E21005-09) Soil									
ids	97.0		%	1	EE42402	05/21/04	05/21/04	% calculation	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLVJ65180411 (4E21005-10) Soil									
% Solids	**96.0**		%	1	EE42402	05/21/04	05/21/04	% calculation	
SLVJ65180412 (4E21005-11) Soil									
% Solids	**88.0**		%	1	EE42402	05/21/04	05/21/04	% calculation	
SLVJ65180413 (4E21005-12) Soil									
% Solids	**93.0**		%	1	EE42402	05/21/04	05/21/04	% calculation	
SLVJ65180414 (4E21005-13) Soil									
% Solids	**91.0**		%	1	EE42402	05/21/04	05/21/04	% calculation	
SLVJ65200415 (4E21005-14) Soil									
% Solids	**92.0**		%	1	EE42402	05/21/04	05/21/04	% calculation	
SLVJ65200416 (4E21005-15) Soil									
% Solids	**92.0**		%	1	EE42402	05/21/04	05/21/04	% calculation	
SLVJ65200417 (4E21005-16) Soil									
% Solids	**92.0**		%	1	EE42402	05/21/04	05/21/04	% calculation	
SLVJ65200418 (4E21005-17) Soil									
% Solids	**93.0**		%	1	EE42402	05/21/04	05/21/04	% calculation	
SLVJ65200419 (4E21005-18) Soil									
% Solids	**94.0**		%	1	EE42402	05/21/04	05/21/04	% calculation	

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

te	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
65200420 (4E21005-19) Soil									
ids	89.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
65200421 (4E21005-20) Soil									
ids	97.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5200422 (4E21005-21) Soil									
ids	98.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5200423 (4E21005-22) Soil									
ids	91.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5200424 (4E21005-23) Soil									
ds	94.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5200425 (4E21005-24) Soil									
ds	88.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5200426 (4E21005-25) Soil									
ds	92.0		%	1	EE42402	05/21/04	05/21/04	% calculation	
5200427 (4E21005-26) Soil									
ds	98.0		%	1	EE42402	05/21/04	05/21/04	% calculation	

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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE42102 - Solvent Extraction (GC)										
Blank (EE42102-BLK1)				Prepared: 05/21/04 Analyzed: 05/22/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*38.6*		*mg/kg*	*50.0*		*77.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.8*		*"*	*50.0*		*73.6*	*70-130*			
Blank (EE42102-BLK2)				Prepared: 05/21/04 Analyzed: 05/23/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*36.1*		*mg/kg*	*50.0*		*72.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.7*		*"*	*50.0*		*73.4*	*70-130*			
LCS (EE42102-BS1)				Prepared: 05/21/04 Analyzed: 05/22/04						
Gasoline Range Organics C6-C12	424	10.0	mg/kg wet	500		84.8	75-125			
Diesel Range Organics >C12-C35	452	10.0	"	500		90.4	75-125			
Total Hydrocarbon C6-C35	876	10.0	"	1000		87.6	75-125			
Surrogate: 1-Chlorooctane	*49.0*		*mg/kg*	*50.0*		*98.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.9*		*"*	*50.0*		*71.8*	*70-130*			
LCS (EE42102-BS2)				Prepared: 05/21/04 Analyzed: 05/23/04						
Gasoline Range Organics C6-C12	419	10.0	mg/kg wet	500		83.8	75-125			
Diesel Range Organics >C12-C35	476	10.0	"	500		95.2	75-125			
Total Hydrocarbon C6-C35	895	10.0	"	1000		89.5	75-125			
Surrogate: 1-Chlorooctane	*48.7*		*mg/kg*	*50.0*		*97.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.5*		*"*	*50.0*		*75.0*	*70-130*			
Calibration Check (EE42102-CCV1)				Prepared: 05/21/04 Analyzed: 05/22/04						
Gasoline Range Organics C6-C12	404		mg/kg	500		80.8	80-120			
Diesel Range Organics >C12-C35	504		"	500		101	80-120			
Total Hydrocarbon C6-C35	908		"	1000		90.8	80-120			
Surrogate: 1-Chlorooctane	*53.8*		*"*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.2*		*"*	*50.0*		*86.4*	*70-130*			

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Organics by GC - Quality Control
Environmental Lab of Texas

/te	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
h EE42102 - Solvent Extraction (GC)										
ration Check (EE42102-CCV2)				Prepared: 05/21/04 Analyzed: 05/23/04						
ne Range Organics C6-C12	427		mg/kg	500		85.4	80-120			
Range Organics >C12-C35	474		"	500		94.8	80-120			
lydrocarbon C6-C35	901		"	1000		90.1	80-120			
ate: 1-Chlorooctane	*52.7*		*"*	*50.0*		*105*	*70-130*			
ate: 1-Chlorooctadecane	*41.4*		*"*	*50.0*		*82.8*	*70-130*			
x Spike (EE42102-MS1)		**Source: 4E21004-01**		Prepared: 05/21/04 Analyzed: 05/23/04						
ne Range Organics C6-C12	473	10.0	mg/kg dry	562	ND	84.2	75-125			
Range Organics >C12-C35	537	10.0	"	562	7.32	94.2	75-125			
lydrocarbon C6-C35	1010	10.0	"	1120	ND	90.2	75-125			
ate: 1-Chlorooctane	*58.7*		*mg/kg*	*50.0*		*117*	*70-130*			
ate: 1-Chlorooctadecane	*45.8*		*"*	*50.0*		*91.6*	*70-130*			
x Spike (EE42102-MS2)		**Source: 4E21005-04**		Prepared: 05/21/04 Analyzed: 05/23/04						
ne Range Organics C6-C12	479	10.0	mg/kg dry	549	ND	87.2	75-125			
Range Organics >C12-C35	584	10.0	"	549	ND	106	75-125			
lydrocarbon C6-C35	1060	10.0	"	1100	ND	96.4	75-125			
ate: 1-Chlorooctane	*49.1*		*mg/kg*	*50.0*		*98.2*	*70-130*			
ate: 1-Chlorooctadecane	*46.2*		*"*	*50.0*		*92.4*	*70-130*			
x Spike Dup (EE42102-MSD1)		**Source: 4E21004-01**		Prepared: 05/21/04 Analyzed: 05/23/04						
ne Range Organics C6-C12	474	10.0	mg/kg dry	562	ND	84.3	75-125	0.211	20	
Range Organics >C12-C35	544	10.0	"	562	7.32	95.5	75-125	1.30	20	
lydrocarbon C6-C35	1020	10.0	"	1120	ND	91.1	75-125	0.985	20	
ate: 1-Chlorooctane	*60.7*		*mg/kg*	*50.0*		*121*	*70-130*			
ate: 1-Chlorooctadecane	*46.0*		*"*	*50.0*		*92.0*	*70-130*			
x Spike Dup (EE42102-MSD2)		**Source: 4E21005-04**		Prepared: 05/21/04 Analyzed: 05/23/04						
ne Range Organics C6-C12	495	10.0	mg/kg dry	549	ND	90.2	75-125	3.29	20	
Range Organics >C12-C35	564	10.0	"	549	ND	103	75-125	3.48	20	
lydrocarbon C6-C35	1060	10.0	"	1100	ND	96.4	75-125	0.00	20	
ate: 1-Chlorooctane	*61.8*		*mg/kg*	*50.0*		*124*	*70-130*			
ate: 1-Chlorooctadecane	*46.4*		*"*	*50.0*		*92.8*	*70-130*			

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

Project: Vacuum To Jal 14 inch Mainline #6
Project Number: 2003-00135
Project Manager: Jeff Dann

Fax: (432) 687-4914
Reported:
05/27/04 09:49

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE42103 - Solvent Extraction (GC)										
Blank (EE42103-BLK1)				Prepared & Analyzed: 05/24/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*37.0*		*mg/kg*	*50.0*		*74.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.4*		*"*	*50.0*		*70.8*	*70-130*			
Blank (EE42103-BLK2)				Prepared & Analyzed: 05/24/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*36.8*		*mg/kg*	*50.0*		*73.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.8*		*"*	*50.0*		*71.6*	*70-130*			
LCS (EE42103-BS1)				Prepared & Analyzed: 05/24/04						
Gasoline Range Organics C6-C12	426	10.0	mg/kg wet	500		85.2	75-125			
Diesel Range Organics >C12-C35	493	10.0	"	500		98.6	75-125			
Total Hydrocarbon C6-C35	919	10.0	"	1000		91.9	75-125			
Surrogate: 1-Chlorooctane	*45.3*		*mg/kg*	*50.0*		*90.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.5*		*"*	*50.0*		*81.0*	*70-130*			
LCS (EE42103-BS2)				Prepared & Analyzed: 05/24/04						
Gasoline Range Organics C6-C12	408	10.0	mg/kg wet	500		81.6	75-125			
Diesel Range Organics >C12-C35	515	10.0	"	500		103	75-125			
Total Hydrocarbon C6-C35	923	10.0	"	1000		92.3	75-125			
Surrogate: 1-Chlorooctane	*49.0*		*mg/kg*	*50.0*		*98.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.8*		*"*	*50.0*		*73.6*	*70-130*			
LCS Dup (EE42103-BSD2)				Prepared & Analyzed: 05/24/04						
Gasoline Range Organics C6-C12	414	10.0	mg/kg wet	500		82.8	75-125	1.46	20	
Diesel Range Organics >C12-C35	483	10.0	"	500		96.6	75-125	6.41	20	
Total Hydrocarbon C6-C35	897	10.0	"	1000		89.7	75-125	2.86	20	
Surrogate: 1-Chlorooctane	*48.6*		*mg/kg*	*50.0*		*97.2*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.8*		*"*	*50.0*		*71.6*	*70-130*			

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Quality Assurance Review

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE42103 - Solvent Extraction (GC)										
Calibration Check (EE42103-CCV1)				Prepared & Analyzed: 05/23/04						
Gasoline Range Organics C6-C12	421		mg/kg	500		84.2	80-120			
Diesel Range Organics >C12-C35	498		"	500		99.6	80-120			
Total Hydrocarbon C6-C35	919		"	1000		91.9	80-120			
Surrogate: 1-Chlorooctane	*53.8*		*"*	*50.0*		*108*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.9*		*"*	*50.0*		*85.8*	*70-130*			
Calibration Check (EE42103-CCV2)				Prepared & Analyzed: 05/24/04						
Gasoline Range Organics C6-C12	421		mg/kg	500		84.2	80-120			
Diesel Range Organics >C12-C35	513		"	500		103	80-120			
Total Hydrocarbon C6-C35	934		"	1000		93.4	80-120			
Surrogate: 1-Chlorooctane	*53.5*		*"*	*50.0*		*107*	*70-130*			
Surrogate: 1-Chlorooctadecane	*46.3*		*"*	*50.0*		*92.6*	*70-130*			
Matrix Spike (EE42103-MS1)	**Source: 4E21005-24**			Prepared & Analyzed: 05/24/04						
Gasoline Range Organics C6-C12	586	10.0	mg/kg dry	568	ND	103	75-125			
Diesel Range Organics >C12-C35	660	10.0	"	568	ND	116	75-125			
Total Hydrocarbon C6-C35	1250	10.0	"	1140	ND	110	75-125			
Surrogate: 1-Chlorooctane	*51.5*		*mg/kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.9*		*"*	*50.0*		*91.8*	*70-130*			
Matrix Spike Dup (EE42103-MSD1)	**Source: 4E21005-24**			Prepared & Analyzed: 05/24/04						
Gasoline Range Organics C6-C12	508	10.0	mg/kg dry	568	ND	89.4	75-125	14.3	20	
Diesel Range Organics >C12-C35	686	10.0	"	568	ND	121	75-125	3.86	20	
Total Hydrocarbon C6-C35	1190	10.0	"	1140	ND	104	75-125	4.92	20	
Surrogate: 1-Chlorooctane	*50.4*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.9*		*"*	*50.0*		*104*	*70-130*			

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Quality Assurance Review

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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE42501 - EPA 5030C (GC)										
Blank (EE42501-BLK1)			Prepared & Analyzed: 05/21/04							
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*83.4*		*ug/kg*	*100*		*83.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*83.8*		*"*	*100*		*83.8*	*80-120*			
LCS (EE42501-BS1)			Prepared & Analyzed: 05/21/04							
Benzene	93.4		ug/kg	100		93.4	80-120			
Toluene	91.1		"	100		91.1	80-120			
Ethylbenzene	89.1		"	100		89.1	80-120			
Xylene (p/m)	174		"	200		87.0	80-120			
Xylene (o)	84.1		"	100		84.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	*93.1*		*"*	*100*		*93.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*80.8*		*"*	*100*		*80.8*	*80-120*			
Calibration Check (EE42501-CCV1)			Prepared: 05/21/04 Analyzed: 05/24/04							
Benzene	84.2		ug/kg	100		84.2	80-120			
Toluene	84.1		"	100		84.1	80-120			
Ethylbenzene	83.4		"	100		83.4	80-120			
Xylene (p/m)	163		"	200		81.5	80-120			
Xylene (o)	82.9		"	100		82.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	*83.2*		*"*	*100*		*83.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*81.0*		*"*	*100*		*81.0*	*80-120*			
Matrix Spike (EE42501-MS1)	**Source: 4E21005-15**		Prepared: 05/21/04 Analyzed: 05/23/04							
Benzene	88.0		ug/kg	100	ND	88.0	80-120			
Toluene	85.2		"	100	ND	85.2	80-120			
Ethylbenzene	87.1		"	100	ND	87.1	80-120			
Xylene (p/m)	172		"	200	ND	86.0	80-120			
Xylene (o)	88.0		"	100	ND	88.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*82.2*		*"*	*100*		*82.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*96.1*		*"*	*100*		*96.1*	*80-120*			

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Organics by GC - Quality Control
Environmental Lab of Texas

te	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
EE42501 - EPA 5030C (GC)										
x Spike Dup (EE42501-MSD1)	**Source: 4E21005-15**			Prepared: 05/21/04 Analyzed: 05/23/04						
ie	91.8		ug/kg	100	ND	91.8	80-120	4.23	20	
e	89.0		"	100	ND	89.0	80-120	4.36	20	
enzene	89.9		"	100	ND	89.9	80-120	3.16	20	
(p/m)	177		"	200	ND	88.5	80-120	2.87	20	
(o)	88.5		"	100	ND	88.5	80-120	0.567	20	
ate: a,a,a-Trifluorotoluene	*85.8*		"	*100*		*85.8*	*80-120*			
ate: 4-Bromofluorobenzene	*91.1*		"	*100*		*91.1*	*80-120*			
EE42504 - EPA 5030C (GC)										
(EE42504-BLK1)				Prepared & Analyzed: 05/24/04						
ie	ND	0.0250	mg/kg wet							
e	ND	0.0250	"							
enzene	ND	0.0250	"							
(p/m)	ND	0.0250	"							
(o)	ND	0.0250	"							
ate: a,a,a-Trifluorotoluene	*84.5*		*ug/kg*	*100*		*84.5*	*80-120*			
ate: 4-Bromofluorobenzene	*83.3*		"	*100*		*83.3*	*80-120*			
EE42504-BS1)				Prepared & Analyzed: 05/24/04						
ie	89.1		ug/kg	100		89.1	80-120			
ie	86.1		"	100		86.1	80-120			
enzene	86.3		"	100		86.3	80-120			
(p/m)	169		"	200		84.5	80-120			
(o)	86.2		"	100		86.2	80-120			
ate: a,a,a-Trifluorotoluene	*82.1*		"	*100*		*82.1*	*80-120*			
ate: 4-Bromofluorobenzene	*89.3*		"	*100*		*89.3*	*80-120*			

Rabanak Jutab
lity Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE42504 - EPA 5030C (GC)										
Calibration Check (EE42504-CCV1)				Prepared: 05/24/04 Analyzed: 05/25/04						
Benzene	92.3		ug/kg	100		92.3	80-120			
Toluene	91.5		"	100		91.5	80-120			
Ethylbenzene	90.5		"	100		90.5	80-120			
Xylene (p/m)	179		"	200		89.5	80-120			
Xylene (o)	90.2		"	100		90.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*109*		"	*100*		*109*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*104*		"	*100*		*104*	*80-120*			
Matrix Spike (EE42504-MS1)	**Source: 4E21005-24**			Prepared: 05/24/04 Analyzed: 05/25/04						
Benzene	90.7		ug/kg	100	ND	90.7	80-120			
Toluene	88.4		"	100	ND	88.4	80-120			
Ethylbenzene	87.4		"	100	ND	87.4	80-120			
Xylene (p/m)	172		"	200	ND	86.0	80-120			
Xylene (o)	85.9		"	100	ND	85.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	*102*		"	*100*		*102*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*108*		"	*100*		*108*	*80-120*			
Matrix Spike Dup (EE42504-MSD1)	**Source: 4E21005-24**			Prepared: 05/24/04 Analyzed: 05/25/04						
Benzene	85.6		ug/kg	100	ND	85.6	80-120	5.79	20	
Toluene	85.0		"	100	ND	85.0	80-120	3.92	20	
Ethylbenzene	84.6		"	100	ND	84.6	80-120	3.26	20	
Xylene (p/m)	167		"	200	ND	83.5	80-120	2.95	20	
Xylene (o)	82.2		"	100	ND	82.2	80-120	4.40	20	
Surrogate: a,a,a-Trifluorotoluene	*107*		"	*100*		*107*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*102*		"	*100*		*102*	*80-120*			

Roland K Tuttle
Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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

te	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
EE42402 - General Preparation (Prep)										
(EE42402-BLK1)				Prepared & Analyzed: 05/21/04						
is	100		%							
:ate (EE42402-DUP1)		**Source: 4E21001-01**		Prepared & Analyzed: 05/21/04						
is	86.0		%		86.0			0.00	20	

Rolanda K. Smith

lity Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

12600 West I-20 East
Odessa Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: Jeff Dann
Company Name: Link Energy / Plains Marketing
Company Address:
City/State/Zip:
Telephone No:
Sampler Signature: Sursia Prieto

Project Name: Vacuum To Jal 14" Mainline #6
Project #: 2003-00135
Project Loc:
PO#:

HE21005		Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCI	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TCLP / TOTAL: TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH8015MGRODRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides			RUSH TAT	Standard TAT
-01	SLVJ6514041	05/14/2004	1135	1	X									X					X				X								
-02	SLVJ6514042	05/14/2004	1136	1	X									X					X				X								
-03	SLVJ6514043	05/14/2004	1137	1	X									X					X				X								
-04	SLVJ6514044	05/14/2004	1138	1	X									X					X				X								
-05	SLVJ6518046	05/18/2004	1055	1	X									X					X				X								
-06	SLVJ6518047	05/18/2004	1059	1	X									X					X				X								
-07	SLVJ6518048	05/18/2004	1102	1	X									X					X				X								
-08	SLVJ6518049	05/18/2004	1105	1	X									X					X				X								
-09	SLVJ65180410	05/18/2004	1107	1	X									X					X				X								
-10	SLVJ65180411	05/18/2004	114	1	X									X					X				X								
-11	SLVJ65180412	05/18/2004	116	1	X									X					X				X								
-12	SLVJ65180413	05/18/2004	119	1	X									X					X				X								
-13	SLVJ65180414	05/18/2004	122	1	X									X					X				X								
-14	SLVJ655200415	05/20/2004	1126	1	X									X					X				X								
-15	SLVJ655200416	05/20/2004	145		X									X					X				X								
-16	SLVJ655200417	05/20/2004	210		X									X					X				X								
-17	SLVJ655200418	05/20/2004	214		X									X					X				X								
-18	SLVJ655200419	05/20/2004	217		X									X					X				X								
-19	SLVJ655200420	05/20/2004	220		X									X					X				X								
					X									X					X				X								
					X									X					X				X								

Special Instructions

FAX RESULTS TO PAT McCASLAND ASAP

Sample Containers Intact: Y / N
Temperature Upon Request
Laboratory Comments: Rec 2.0 °C

Relinquished:	Date	Time	Received by:	Date	Time
Sursia Prieto	5-20-04	3:00		5-21-04	6:10
Relinquished:	Date	Time	Received by:	Date	Time
	5-21-04	9:25		5-21-04	0925

[redacted]
12600 West I-20 East
Odessa Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: Jeff Dann
Company Name: Link Energy / Plains Marketing
Company Address:
City/State/Zip:
Telephone No:
Sampler Signature: Sergio Pinto

Project Name: Vacuum To Jal 14" Mainline #6
Project #: 2003-00135
Project Loc:
PO#:

		Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TCLP/TOTAL: TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH8015MGRODRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides			RUSH TAT	Standard TAT
~~19~~	~~SLVJ655200420~~	~~05/20/2004~~	~~230~~	1	X									X					X				X								
-20	SLVJ655200421	05/20/2004	240	1	X									X					X				X								
-21	SLVJ655200422	05/20/2004	250	1	X									X					X				X								
-22	SLVJ655200423	05/20/2004	300	1	X									X					X				X								
-23	SLVJ655200424	05/20/2004	310	1	X									X					X				X								
-24	SLVJ655200425	05/20/2004	320	1	X									X					X				X								
-25	SLVJ655200426	05/20/2004	330	1	X									X					X				X								
-26	SLVJ655200427	05/20/2004	340	1	X									X					X				X								

Special Instructions: # No Sample Per Cody 5-21-04 dt

FAX RESULTS TO PAT McCASLAND ASAP

Sample Containers Intact: Y - N
Temperature Upon Request
Laboratory Comments: Ice 2.0°

Relinquished:	Date	Time	Received by:	Date	Time
Sergio Pinto	5-20-04	3:06	[illegible]	5-21-04	6:10
Relinquished:	Date	Time	Received by:	Date	Time
[illegible]	5-21-04	9:25	[illegible]	5-21-04	0925

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

Plains
nt: All American

e/Time: 5/21/04 09:25

ler #:

als: JLH

Sample Receipt Checklist

perature of container/cooler?	Yes	No	~~2~~ 2° C
ping container/cooler in good condition?	Yes	No	
tody Seals intact on shipping container/cooler?	Yes	No	Not present
tody Seals intact on sample bottles?	Yes	No	Not present
in of custody present?	Yes	No	
nple Instructions complete on Chain of Custody?	Yes	No	
in of Custody signed when relinquished and received?	Yes	No	
in of custody agrees with sample label(s)	Yes	No	
tainer labels legible and intact?	Yes	No	
nple Matrix and properties same as on chain of custody?	Yes	No	
nples in proper container/bottle?	Yes	No	
nples properly preserved?	Yes	No	
nple bottles intact?	Yes	No	
servations documented on Chain of Custody?	Yes	No	
ntainers documented on Chain of Custody?	Yes	No	
ficient sample amount for indicated test?	Yes	No	
samples received within sufficient hold time?	Yes	No	
C samples have zero headspace?	Yes	No	Not Applicable

her observations:

Variance Documentation:

ntact Person: Iain Date/Time: 5/21/04 10:30 Contacted by: Ralph Tuttle

egarding:
COC errors

rrective Action Taken:
mitted sample SLVJ655200420 @ 5/20/2004 2:30 was a duplicate

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Jal 14 in. Mainline #6
Project Number: 2003-00135
Location: None Given

Lab Order Number: 4F11009

Report Date: 06/16/04

ains All American EH & S	Project: Jal 14 in. Mainline #6	Fax: (432) 687-4914
01 S. County Road 1150	Project Number: 2003-00135	**Reported:**
idland TX, 79706-4476	Project Manager: Jeff Dann	06/16/04 17:03

ANALYTICAL REPORT FOR SAMPLES

mple ID	Laboratory ID	Matrix	Date Sampled	Date Received
14M060804H#1-3'	4F11009-01	Soil	06/08/04 07:39	06/11/04 10:50
14M060804H#1-8'	4F11009-02	Soil	06/08/04 07:42	06/11/04 10:50
14M061004H#2-2'	4F11009-03	Soil	06/08/04 07:48	06/11/04 10:50
14M061004H#2-6'	4F11009-04	Soil	06/08/04 07:50	06/11/04 10:50
14M061004H#2-13'	4F11009-05	Soil	06/08/04 07:54	06/11/04 10:50
14M061004H#3-1'6 in	4F11009-06	Soil	06/08/04 08:00	06/11/04 10:50
14M061004H#3-5'	4F11009-07	Soil	06/08/04 08:02	06/11/04 10:50
14M061004H#3-14'	4F11009-08	Soil	06/08/04 08:06	06/11/04 10:50
14M061004H#4-2'	4F11009-09	Soil	06/08/04 08:10	06/11/04 10:50
14M061004H#4-8'	4F11009-10	Soil	06/08/04 08:16	06/11/04 10:50
14M061004H#4-15'	4F11009-11	Soil	06/08/04 08:23	06/11/04 10:50

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SL14M060804H#1-3' (4F11009-01) Soil									
Benzene	**0.0414**	0.00100	mg/kg dry	1	EF41303	06/12/04	06/12/04	EPA 8021B	
Toluene	**0.778**	0.0250	"	25	"	"	"	"	
Ethylbenzene	**1.92**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**4.03**	0.0250	"	"	"	"	"	"	
Xylene (o)	**1.63**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*138 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*96.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**273**	10.0	mg/kg dry	1	EF41120	06/11/04	06/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	**637**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**910**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*78.8 %*	*70-130*		"	"	"	"	
SL14M060804H#1-8' (4F11009-02) Soil									
Benzene	**0.146**	0.100	mg/kg dry	100	EF41303	06/12/04	06/12/04	EPA 8021B	
Toluene	**2.61**	0.100	"	"	"	"	"	"	
Ethylbenzene	**4.26**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**9.04**	0.100	"	"	"	"	"	"	
Xylene (o)	**3.35**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*122 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*88.6 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**1050**	10.0	mg/kg dry	1	EF41120	06/11/04	06/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	**4530**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**5590**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*116 %*	*70-130*		"	"	"	"	
SL14M061004H#2-2' (4F11009-03) Soil									
Benzene	**0.0819**	0.0250	mg/kg dry	25	EF41303	06/12/04	06/12/04	EPA 8021B	
Toluene	**1.79**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**5.33**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**6.02**	0.0250	"	"	"	"	"	"	
Xylene (o)	**4.76**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*222 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*82.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**3620**	50.0	mg/kg dry	5	EF41120	06/11/04	06/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	**11400**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**15000**	50.0	"	"	"	"	"	"	

Organics by GC
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4M061004H#2-2' (4F11009-03) Soil									
ogate: 1-Chlorooctane		*11.4 %*	*70-130*		*EF41120*	*06/11/04*	*06/11/04*	*EPA 8015M*	*S-06*
ogate: 1-Chlorooctadecane		*30.2 %*	*70-130*		"	"	"	"	*S-06*
IM061004H#2-6' (4F11009-04) Soil									
ene	**0.222**	0.0250	mg/kg dry	25	EF41501	06/14/04	06/14/04	EPA 8021B	
ene	**8.44**	0.0250	"	"	"	"	"	"	
lbenzene	**12.0**	0.0250	"	"	"	"	"	"	
ne (p/m)	**24.7**	0.0250	"	"	"	"	"	"	
ne (o)	**8.49**	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*357 %*	*80-120*		"	"	"	"	*S-04*
gate: 4-Bromofluorobenzene		*82.8 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	**3050**	10.0	mg/kg dry	1	EF41120	06/11/04	06/11/04	EPA 8015M	
l Range Organics >C12-C35	**5640**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**8690**	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*90.6 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*116 %*	*70-130*		"	"	"	"	
M061004H#2-13' (4F11009-05) Soil									
ene	ND	0.0250	mg/kg dry	25	EF41601	06/14/04	06/14/04	EPA 8021B	
ne	ND	0.0250	"	"	"	"	"	"	
benzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	**0.0333**	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*88.4 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*83.8 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	**13.3**	10.0	mg/kg dry	1	EF41120	06/11/04	06/12/04	EPA 8015M	
l Range Organics >C12-C35	**144**	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	**157**	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*80.6 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*83.2 %*	*70-130*		"	"	"	"	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Plains All American EH & S	Project: Jal 14 in. Mainline #6	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2003-00135	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	06/16/04 17:03

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SL14M061004H#3-1'6 in (4F11009-06) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF41601	06/14/04	06/14/04	EPA 8021B	
Toluene	**0.0290**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**J [0.0216]**	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	**0.0718**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0426**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.4 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41120	06/11/04	06/12/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*77.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*75.0 %*	*70-130*		"	"	"	"	
SL14M061004H#3-5' (4F11009-07) Soil									
Benzene	**3.34**	0.100	mg/kg dry	100	EF41601	06/14/04	06/14/04	EPA 8021B	
Toluene	**32.2**	0.100	"	"	"	"	"	"	
Ethylbenzene	**34.8**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**56.9**	0.100	"	"	"	"	"	"	
Xylene (o)	**23.1**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*514 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**5570**	50.0	mg/kg dry	5	EF41120	06/11/04	06/12/04	EPA 8015M	
Diesel Range Organics >C12-C35	**10200**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**15800**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*10.9 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*37.4 %*	*70-130*		"	"	"	"	*S-06*
SL14M061004H#3-14' (4F11009-08) Soil									
Benzene	**1.45**	0.100	mg/kg dry	100	EF41602	06/15/04	06/16/04	EPA 8021B	
Toluene	**13.3**	0.100	"	"	"	"	"	"	
Ethylbenzene	**15.2**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**28.1**	0.100	"	"	"	"	"	"	
Xylene (o)	**9.16**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*245 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*94.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**2410**	50.0	mg/kg dry	5	EF41120	06/11/04	06/12/04	EPA 8015M	
Diesel Range Organics >C12-C35	**10700**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**13100**	50.0	"	"	"	"	"	"	

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Organics by GC

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lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4M061004H#3-14' (4F11009-08) Soil									
ogate: 1-Chlorooctane		*23.2 %*	*70-130*		*EF41120*	*06/11/04*	*06/12/04*	*EPA 8015M*	*S-06*
ogate: 1-Chlorooctadecane		*42.8 %*	*70-130*		"	"	"	"	*S-06*
4M061004H#4-2' (4F11009-09) Soil									
zene	**0.687**	0.0250	mg/kg dry	25	EF41602	06/15/04	06/16/04	EPA 8021B	
ıene	**9.41**	0.0250	"	"	"	"	"	"	
ylbenzene	**11.5**	0.0250	"	"	"	"	"	"	
:ne (p/m)	**25.4**	0.0250	"	"	"	"	"	"	
:ne (o)	**8.94**	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*400 %*	*80-120*		"	"	"	"	*S-04*
ogate: 4-Bromofluorobenzene		*80.3 %*	*80-120*		"	"	"	"	
oline Range Organics C6-C12	**4130**	50.0	mg/kg dry	5	EF41120	06/11/04	06/12/04	EPA 8015M	
el Range Organics >C12-C35	**11600**	50.0	"	"	"	"	"	"	
ıl Hydrocarbon C6-C35	**15700**	50.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*11.2 %*	*70-130*		"	"	"	"	*S-06*
ogate: 1-Chlorooctadecane		*34.2 %*	*70-130*		"	"	"	"	*S-06*
4M061004H#4-8' (4F11009-10) Soil									
zene	**1.49**	0.100	mg/kg dry	100	EF41602	06/15/04	06/16/04	EPA 8021B	
ıene	**17.5**	0.100	"	"	"	"	"	"	
ylbenzene	**20.4**	0.100	"	"	"	"	"	"	
:ne (p/m)	**39.1**	0.100	"	"	"	"	"	"	
:ne (o)	**13.1**	0.100	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*256 %*	*80-120*		"	"	"	"	*S-04*
ogate: 4-Bromofluorobenzene		*84.8 %*	*80-120*		"	"	"	"	
oline Range Organics C6-C12	**3070**	50.0	mg/kg dry	5	EF41120	06/11/04	06/12/04	EPA 8015M	
el Range Organics >C12-C35	**6540**	50.0	"	"	"	"	"	"	
ıl Hydrocarbon C6-C35	**9610**	50.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*31.8 %*	*70-130*		"	"	"	"	*S-06*
ogate: 1-Chlorooctadecane		*26.6 %*	*70-130*		"	"	"	"	*S-06*

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SL14M061004H#4-15' (4F11009-11) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF41602	06/15/04	06/16/04	EPA 8021B	
Toluene	**J [0.0229]**	0.0250	"	"	"	"	"	"	J
Ethylbenzene	**0.0368**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.105**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0336**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.4 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**18.7**	10.0	mg/kg dry	1	EF41120	06/11/04	06/12/04	EPA 8015M	
Diesel Range Organics >C12-C35	**248**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**267**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*81.4 %*	*70-130*		"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4M060804H#1-3' (4F11009-01) Soil									
olids	80.0		%	1	EF41301	06/11/04	06/11/04	% calculation	
4M060804H#1-8' (4F11009-02) Soil									
olids	94.0		%	1	EF41301	06/11/04	06/11/04	% calculation	
4M061004H#2-2' (4F11009-03) Soil									
olids	92.0		%	1	EF41301	06/11/04	06/11/04	% calculation	
4M061004H#2-6' (4F11009-04) Soil									
olids	91.0		%	1	EF41301	06/11/04	06/11/04	% calculation	
4M061004H#2-13' (4F11009-05) Soil									
olids	96.0		%	1	EF41301	06/11/04	06/11/04	% calculation	
4M061004H#3-1'6 in (4F11009-06) Soil									
olids	94.0		%	1	EF41301	06/11/04	06/11/04	% calculation	
4M061004H#3-5' (4F11009-07) Soil									
olids	94.0		%	1	EF41301	06/11/04	06/11/04	% calculation	
4M061004H#3-14' (4F11009-08) Soil									
olids	95.0		%	1	EF41301	06/11/04	06/11/04	% calculation	
4M061004H#4-2' (4F11009-09) Soil									
olids	96.0		%	1	EF41301	06/11/04	06/11/04	% calculation	
4M061004H#4-8' (4F11009-10) Soil									
olids	81.0		%	1	EF41301	06/11/04	06/11/04	% calculation	
4M061004H#4-15' (4F11009-11) Soil									
olids	91.0		%	1	EF41301	06/11/04	06/11/04	% calculation	

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41120 - Solvent Extraction (GC)										
Blank (EF41120-BLK2)			Prepared & Analyzed: 06/11/04							
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*40.4*		*mg/kg*	*50.0*		*80.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.7*		*"*	*50.0*		*75.4*	*70-130*			
LCS (EF41120-BS1)			Prepared & Analyzed: 06/11/04							
Gasoline Range Organics C6-C12	440	10.0	mg/kg wet	500		88.0	75-125			
Diesel Range Organics >C12-C35	524	10.0	"	500		105	75-125			
Total Hydrocarbon C6-C35	964	10.0	"	1000		96.4	75-125			
Surrogate: 1-Chlorooctane	*51.4*		*mg/kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.9*		*"*	*50.0*		*83.8*	*70-130*			
LCS (EF41120-BS2)			Prepared & Analyzed: 06/11/04							
Gasoline Range Organics C6-C12	411	10.0	mg/kg wet	500		82.2	75-125			
Diesel Range Organics >C12-C35	457	10.0	"	500		91.4	75-125			
Total Hydrocarbon C6-C35	868	10.0	"	1000		86.8	75-125			
Surrogate: 1-Chlorooctane	*51.6*		*mg/kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.1*		*"*	*50.0*		*80.2*	*70-130*			
LCS Dup (EF41120-BSD1)			Prepared & Analyzed: 06/11/04							
Gasoline Range Organics C6-C12	453	10.0	mg/kg wet	500		90.6	75-125	2.91	20	
Diesel Range Organics >C12-C35	495	10.0	"	500		99.0	75-125	5.69	20	
Total Hydrocarbon C6-C35	948	10.0	"	1000		94.8	75-125	1.67	20	
Surrogate: 1-Chlorooctane	*51.8*		*mg/kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.7*		*"*	*50.0*		*83.4*	*70-130*			
Calibration Check (EF41120-CCV2)			Prepared & Analyzed: 06/11/04							
Gasoline Range Organics C6-C12	425		mg/kg	500		85.0	80-120			
Diesel Range Organics >C12-C35	493		"	500		98.6	80-120			
Total Hydrocarbon C6-C35	918		"	1000		91.8	80-120			
Surrogate: 1-Chlorooctane	*51.0*		*"*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.6*		*"*	*50.0*		*89.2*	*70-130*			

Organics by GC - Quality Control
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lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EF41120 - Solvent Extraction (GC)										
rix Spike (EF41120-MS2)	**Source: 4F11010-01**			Prepared: 06/11/04		Analyzed: 06/12/04				
line Range Organics C6-C12	481	10.0	mg/kg dry	538	ND	89.4	75-125			
l Range Organics >C12-C35	555	10.0	"	538	ND	103	75-125			
Hydrocarbon C6-C35	1040	10.0	"	1080	ND	96.3	75-125			
gate: 1-Chlorooctane	*58.1*		*mg/kg*	*50.0*		*116*	*70-130*			
gate: 1-Chlorooctadecane	*38.9*		*"*	*50.0*		*77.8*	*70-130*			
rix Spike Dup (EF41120-MSD2)	**Source: 4F11010-01**			Prepared: 06/11/04		Analyzed: 06/12/04				
line Range Organics C6-C12	470	10.0	mg/kg dry	538	ND	87.4	75-125	2.31	20	
l Range Organics >C12-C35	558	10.0	"	538	ND	104	75-125	0.539	20	
Hydrocarbon C6-C35	1030	10.0	"	1080	ND	95.4	75-125	0.966	20	
gate: 1-Chlorooctane	*58.0*		*mg/kg*	*50.0*		*116*	*70-130*			
gate: 1-Chlorooctadecane	*40.4*		*"*	*50.0*		*80.8*	*70-130*			
h EF41303 - EPA 5030C (GC)										
k (EF41303-BLK1)				Prepared & Analyzed: 06/11/04						
ne	ND	0.0250	mg/kg wet							
ne	ND	0.0250	"							
benzene	ND	0.0250	"							
e (p/m)	ND	0.0250	"							
e (o)	ND	0.0250	"							
gate: a,a,a-Trifluorotoluene	*92.9*		*ug/kg*	*100*		*92.9*	*80-120*			
gate: 4-Bromofluorobenzene	*89.5*		*"*	*100*		*89.5*	*80-120*			
(EF41303-BS1)				Prepared & Analyzed: 06/11/04						
ne	0.0881	0.00100	mg/kg wet	0.100		88.1	80-120			
ne	0.0910	0.00100	"	0.100		91.0	80-120			
benzene	0.0877	0.00100	"	0.100		87.7	80-120			
e (p/m)	0.177	0.00100	"	0.200		88.5	80-120			
e (o)	0.0897	0.00100	"	0.100		89.7	80-120			
gate: a,a,a-Trifluorotoluene	*96.5*		*ug/kg*	*100*		*96.5*	*80-120*			
gate: 4-Bromofluorobenzene	*97.0*		*"*	*100*		*97.0*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41303 - EPA 5030C (GC)										
Calibration Check (EF41303-CCV1)			Prepared & Analyzed: 06/11/04							
Benzene	87.8		ug/kg	100		87.8	80-120			
Toluene	90.5		"	100		90.5	80-120			
Ethylbenzene	86.8		"	100		86.8	80-120			
Xylene (p/m)	173		"	200		86.5	80-120			
Xylene (o)	88.6		"	100		88.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*97.0*		"	*100*		*97.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*92.7*		"	*100*		*92.7*	*80-120*			
Matrix Spike (EF41303-MS1)		**Source: 4F12001-17**		Prepared: 06/11/04		Analyzed: 06/13/04				
Benzene	2.40	0.0250	mg/kg dry	2.87	ND	83.6	80-120			
Toluene	2.42	0.0250	"	2.87	ND	84.3	80-120			
Ethylbenzene	2.34	0.0250	"	2.87	ND	81.5	80-120			
Xylene (p/m)	4.68	0.0250	"	5.75	ND	81.4	80-120			
Xylene (o)	2.33	0.0250	"	2.87	ND	81.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*92.2*		*ug/kg*	*100*		*92.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*87.4*		"	*100*		*87.4*	*80-120*			
Matrix Spike Dup (EF41303-MSD1)		**Source: 4F12001-17**		Prepared: 06/11/04		Analyzed: 06/13/04				
Benzene	2.36	0.0250	mg/kg dry	2.87	ND	82.2	80-120	1.69	20	
Toluene	2.51	0.0250	"	2.87	ND	87.5	80-120	3.73	20	
Ethylbenzene	2.42	0.0250	"	2.87	ND	84.3	80-120	3.38	20	
Xylene (p/m)	4.85	0.0250	"	5.75	ND	84.3	80-120	3.50	20	
Xylene (o)	2.40	0.0250	"	2.87	ND	83.6	80-120	2.91	20	
Surrogate: a,a,a-Trifluorotoluene	*95.6*		*ug/kg*	*100*		*95.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*89.8*		"	*100*		*89.8*	*80-120*			
Batch EF41501 - EPA 5030C (GC)										
Blank (EF41501-BLK1)			Prepared & Analyzed: 06/14/04							
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*93.7*		*ug/kg*	*100*		*93.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*80.5*		"	*100*		*80.5*	*80-120*			

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lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EF41501 - EPA 5030C (GC)										
(EF41501-BS1)				Prepared & Analyzed: 06/14/04						
ene	80.1		ug/kg	100		80.1	80-120			
ene	85.1		"	100		85.1	80-120			
benzene	82.5		"	100		82.5	80-120			
ne (p/m)	165		"	200		82.5	80-120			
ne (o)	83.2		"	100		83.2	80-120			
gate: a,a,a-Trifluorotoluene	*92.1*		"	*100*		*92.1*	*80-120*			
gate: 4-Bromofluorobenzene	*88.1*		"	*100*		*88.1*	*80-120*			
bration Check (EF41501-CCV1)				Prepared & Analyzed: 06/14/04						
ene	87.7		ug/kg	100		87.7	80-120			
ne	95.0		"	100		95.0	80-120			
benzene	91.3		"	100		91.3	80-120			
ne (p/m)	182		"	200		91.0	80-120			
ne (o)	88.0		"	100		88.0	80-120			
gate: a,a,a-Trifluorotoluene	*104*		"	*100*		*104*	*80-120*			
gate: 4-Bromofluorobenzene	*83.9*		"	*100*		*83.9*	*80-120*			
ix Spike (EF41501-MS1)	**Source: 4F14001-16**			Prepared & Analyzed: 06/14/04						
ene	2050		ug/kg	2500	ND	82.0	80-120			
ne	2100		"	2500	ND	84.0	80-120			
benzene	2080		"	2500	ND	83.2	80-120			
ne (p/m)	4170		"	5000	40.3	82.6	80-120			
ne (o)	2120		"	2500	ND	84.8	80-120			
gate: a,a,a-Trifluorotoluene	*91.9*		"	*100*		*91.9*	*80-120*			
gate: 4-Bromofluorobenzene	*91.5*		"	*100*		*91.5*	*80-120*			
ix Spike Dup (EF41501-MSD1)	**Source: 4F14001-16**			Prepared & Analyzed: 06/14/04						
ene	2070		ug/kg	2500	ND	82.8	80-120	0.971	20	
ne	2100		"	2500	ND	84.0	80-120	0.00	20	
benzene	2060		"	2500	ND	82.4	80-120	0.966	20	
e (p/m)	4120		"	5000	40.3	81.6	80-120	1.22	20	
e (o)	2090		"	2500	ND	83.6	80-120	1.43	20	
gate: a,a,a-Trifluorotoluene	*88.9*		"	*100*		*88.9*	*80-120*			
gate: 4-Bromofluorobenzene	*89.2*		"	*100*		*89.2*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41601 - EPA 5030C (GC)										
Blank (EF41601-BLK1)			Prepared & Analyzed: 06/14/04							
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*86.5*		*ug/kg*	*100*		*86.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*81.6*		*"*	*100*		*81.6*	*80-120*			
LCS (EF41601-BS1)			Prepared & Analyzed: 06/14/04							
Benzene	80.1		ug/kg	100		80.1	80-120			
Toluene	85.1		"	100		85.1	80-120			
Ethylbenzene	82.5		"	100		82.5	80-120			
Xylene (p/m)	165		"	200		82.5	80-120			
Xylene (o)	83.2		"	100		83.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*92.1*		*"*	*100*		*92.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*88.1*		*"*	*100*		*88.1*	*80-120*			
Calibration Check (EF41601-CCV1)			Prepared: 06/14/04 Analyzed: 06/15/04							
Benzene	87.5		ug/kg	100		87.5	80-120			
Toluene	90.5		"	100		90.5	80-120			
Ethylbenzene	88.3		"	100		88.3	80-120			
Xylene (p/m)	178		"	200		89.0	80-120			
Xylene (o)	92.8		"	100		92.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*93.4*		*"*	*100*		*93.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*91.4*		*"*	*100*		*91.4*	*80-120*			
Matrix Spike (EF41601-MS1)	**Source: 4F15003-07**		Prepared & Analyzed: 06/15/04							
Benzene	90.6		ug/kg	100	ND	90.6	80-120			
Toluene	93.9		"	100	ND	93.9	80-120			
Ethylbenzene	94.8		"	100	ND	94.8	80-120			
Xylene (p/m)	192		"	200	ND	96.0	80-120			
Xylene (o)	101		"	100	ND	101	80-120			
Surrogate: a,a,a-Trifluorotoluene	*93.7*		*"*	*100*		*93.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*106*		*"*	*100*		*106*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

yte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
:h EF41601 - EPA 5030C (GC)										
·ix Spike Dup (EF41601-MSD1)	**Source: 4F15003-07**			Prepared & Analyzed: 06/15/04						
:ne	92.5		ug/kg	100	ND	92.5	80-120	2.08	20	
ne	95.6		"	100	ND	95.6	80-120	1.79	20	
benzene	94.8		"	100	ND	94.8	80-120	0.00	20	
ıe (p/m)	191		"	200	ND	95.5	80-120	0.522	20	
ıe (o)	99.2		"	100	ND	99.2	80-120	1.80	20	
gate: a,a,a-Trifluorotoluene	*100*		"	*100*		*100*	*80-120*			
gate: 4-Bromofluorobenzene	*104*		"	*100*		*104*	*80-120*			
h EF41602 - EPA 5030C (GC)										
k (EF41602-BLK1)				Prepared & Analyzed: 06/15/04						
ne	ND	0.0250	mg/kg wet							
ıe	ND	0.0250	"							
ıenzene	ND	0.0250	"							
e (p/m)	ND	0.0250	"							
e (o)	ND	0.0250	"							
gate: a,a,a-Trifluorotoluene	*97.9*		*ug/kg*	*100*		*97.9*	*80-120*			
gate: 4-Bromofluorobenzene	*92.0*		"	*100*		*92.0*	*80-120*			
(EF41602-BS1)				Prepared & Analyzed: 06/15/04						
ne	90.7		ug/kg	100		90.7	80-120			
ıe	93.2		"	100		93.2	80-120			
ıenzene	90.2		"	100		90.2	80-120			
e (p/m)	182		"	200		91.0	80-120			
e (o)	96.0		"	100		96.0	80-120			
gate: a,a,a-Trifluorotoluene	*96.8*		"	*100*		*96.8*	*80-120*			
gate: 4-Bromofluorobenzene	*98.9*		"	*100*		*98.9*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41602 - EPA 5030C (GC)										
Calibration Check (EF41602-CCV1)				Prepared: 06/15/04 Analyzed: 06/16/04						
Benzene	96.4		ug/kg	100		96.4	80-120			
Toluene	93.5		"	100		93.5	80-120			
Ethylbenzene	88.0		"	100		88.0	80-120			
Xylene (p/m)	176		"	200		88.0	80-120			
Xylene (o)	91.4		"	100		91.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*94.0*		"	*100*		*94.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*89.5*		"	*100*		*89.5*	*80-120*			
Matrix Spike (EF41602-MS1)	**Source: 4F11010-01**			Prepared: 06/15/04 Analyzed: 06/16/04						
Benzene	101		ug/kg	100	ND	101	80-120			
Toluene	98.6		"	100	ND	98.6	80-120			
Ethylbenzene	96.3		"	100	ND	96.3	80-120			
Xylene (p/m)	194		"	200	ND	97.0	80-120			
Xylene (o)	101		"	100	ND	101	80-120			
Surrogate: a,a,a-Trifluorotoluene	*95.5*		"	*100*		*95.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*106*		"	*100*		*106*	*80-120*			
Matrix Spike Dup (EF41602-MSD1)	**Source: 4F11010-01**			Prepared: 06/15/04 Analyzed: 06/16/04						
Benzene	103		ug/kg	100	ND	103	80-120	1.96	20	
Toluene	99.4		"	100	ND	99.4	80-120	0.808	20	
Ethylbenzene	96.6		"	100	ND	96.6	80-120	0.311	20	
Xylene (p/m)	196		"	200	ND	98.0	80-120	1.03	20	
Xylene (o)	102		"	100	ND	102	80-120	0.985	20	
Surrogate: a,a,a-Trifluorotoluene	*85.4*		"	*100*		*85.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*106*		"	*100*		*106*	*80-120*			

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

lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EF41301 - General Preparation (Prep)										
ık (EF41301-BLK1)				Prepared & Analyzed: 06/11/04						
lids	100		%							
licate (EF41301-DUP1)		**Source: 4F11001-01**		Prepared & Analyzed: 06/11/04						
lids	86.0		%		86.0			0.00	20	
licate (EF41301-DUP2)		**Source: 4F12001-17**		Prepared & Analyzed: 06/11/04						
lids	86.0		%		87.0			1.16	20	

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K. Tuttle Date: 6-16-04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

12600 West I-20 East
Odessa Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: Jeff Dann
Company Name: Link Energy / Plains Marketing
Company Address:
City/State/Zip:
Telephone No:
Sampler Signature: Michael Beardley

Project Name: Jal 14" Mainline #6
Project #: 2003-00135
Project Loc:
PO#:

4oz glass

SF 11-09		Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH8015MGRODRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides			RUSH TAT	Standard TAT
-01	SL14M060804H#1 -3'	06/08/2004	7:39	1	X									X					X				X								
-02	SL14M060804H#1 -8'	06/08/2004	7:42	1	X									X					X				X								
-03	SL14M061004H#2 -2'	06/08/2004	7:48	1	X									X					X				X								
-04	SL14M061004H#2 -6'	06/08/2004	7:50	1	X									X					X				X								
-05	SL14M061004H#2 -13'	06/08/2004	7:54	1	X									X					X				X								
-06	SL14M061004H#3 -1' 6"	06/08/2004	8:00	1	X									X					X				X								
-07	SL14M061004H#3 -5'	06/08/2004	8:02	1	X									X					X				X								
-08	SL14M061004H#3 -14'	06/08/2004	8:06	1	X									X					X				X								
-09	SL14M061004H#4 -2'	06/08/2004	8:10	1	X									X					X				X								
-10	SL14M061004H#4 -8'	06/08/2004	8:16	1	X									X					X				X								
-11	SL14M061004H#4 -15'	06/08/2004	8:23	1	X									X					X				X								

Special Instructions

FAX RESULTS TO PAT McCASLAND ASAP

Sample Containers (Y) N
Temperature Upon Request
Laboratory Comments:
0.5°C

Relinquished:	Date	Time	Received by:	Date	Time
Michael Beardley				6-11-04	8:30
Relinquished:	Date	Time	Received by:	Date	Time
	6/11/04	12:50	Sandra Bisquez	6/11/04	1050

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

Client: Plains

Date/Time: 06-11-04 @ 1200

Order #: 4F11009

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	0.5 C
Shipping container/cooler in good condition?	Yes	No	N/A
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

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

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Jal 14 in. Mainline #6
Project Number: 2003-00135
Location: None Given

Lab Order Number: 4F11011

Report Date: 06/16/04

Plains All American EH & S	Project: Jal 14 in. Mainline #6	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2003-00135	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	06/16/04 17:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SL14M061004WSW	4F11011-01	Soil	06/10/04 10:12	06/11/04 10:50
SL14M061004BH	4F11011-02	Soil	06/10/04 10:16	06/11/04 10:50
SL14M061004ESW	4F11011-03	Soil	06/10/04 10:20	06/11/04 10:50

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC

Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4M061004WSW (4F11011-01) Soil									
zene	ND	0.0250	mg/kg dry	25	EF41602	06/15/04	06/16/04	EPA 8021B	
ıene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*95.1 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*97.9 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41120	06/11/04	06/12/04	EPA 8015M	
el Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*86.2 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*77.2 %*	*70-130*		"	"	"	"	
IM061004BH (4F11011-02) Soil									
ene	ND	0.0250	mg/kg dry	25	EF41602	06/15/04	06/16/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*90.4 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*99.0 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41120	06/11/04	06/12/04	EPA 8015M	
el Range Organics >C12-C35	**13.6**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**13.6**	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*70.0 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*72.4 %*	*70-130*		"	"	"	"	
IM061004ESW (4F11011-03) Soil									
ene	ND	0.0250	mg/kg dry	25	EF41602	06/15/04	06/16/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*87.4 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41120	06/11/04	06/12/04	EPA 8015M	
el Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

Plains All American EH & S	Project: Jal 14 in. Mainline #6	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2003-00135	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	06/16/04 17:04

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SL14M061004ESW (4F11011-03) Soil									
Surrogate: 1-Chlorooctane		*92.4 %*	*70-130*		*EF41120*	*06/11/04*	*06/12/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*82.0 %*	*70-130*		*"*	*"*	*"*	*"*	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

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

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4M061004WSW (4F11011-01) Soil									
olids	**35.0**		%	1	EF41301	06/11/04	06/11/04	% calculation	
4M061004BH (4F11011-02) Soil									
olids	**92.0**		%	1	EF41301	06/11/04	06/11/04	% calculation	
4M061004ESW (4F11011-03) Soil									
olids	**81.0**		%	1	EF41301	06/11/04	06/11/04	% calculation	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41120 - Solvent Extraction (GC)										
Blank (EF41120-BLK2)				Prepared & Analyzed: 06/11/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*40.4*		*mg/kg*	*50.0*		*80.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.7*		*"*	*50.0*		*75.4*	*70-130*			
LCS (EF41120-BS1)				Prepared & Analyzed: 06/11/04						
Gasoline Range Organics C6-C12	440	10.0	mg/kg wet	500		88.0	75-125			
Diesel Range Organics >C12-C35	524	10.0	"	500		105	75-125			
Total Hydrocarbon C6-C35	964	10.0	"	1000		96.4	75-125			
Surrogate: 1-Chlorooctane	*51.4*		*mg/kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.9*		*"*	*50.0*		*83.8*	*70-130*			
LCS (EF41120-BS2)				Prepared & Analyzed: 06/11/04						
Gasoline Range Organics C6-C12	411	10.0	mg/kg wet	500		82.2	75-125			
Diesel Range Organics >C12-C35	457	10.0	"	500		91.4	75-125			
Total Hydrocarbon C6-C35	868	10.0	"	1000		86.8	75-125			
Surrogate: 1-Chlorooctane	*51.6*		*mg/kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.1*		*"*	*50.0*		*80.2*	*70-130*			
LCS Dup (EF41120-BSD1)				Prepared & Analyzed: 06/11/04						
Gasoline Range Organics C6-C12	453	10.0	mg/kg wet	500		90.6	75-125	2.91	20	
Diesel Range Organics >C12-C35	495	10.0	"	500		99.0	75-125	5.69	20	
Total Hydrocarbon C6-C35	948	10.0	"	1000		94.8	75-125	1.67	20	
Surrogate: 1-Chlorooctane	*51.8*		*mg/kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*41.7*		*"*	*50.0*		*83.4*	*70-130*			
Calibration Check (EF41120-CCV2)				Prepared & Analyzed: 06/11/04						
Gasoline Range Organics C6-C12	425		mg/kg	500		85.0	80-120			
Diesel Range Organics >C12-C35	493		"	500		98.6	80-120			
Total Hydrocarbon C6-C35	918		"	1000		91.8	80-120			
Surrogate: 1-Chlorooctane	*51.0*		*"*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.6*		*"*	*50.0*		*89.2*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EF41120 - Solvent Extraction (GC)										
rix Spike (EF41120-MS2)	**Source: 4F11010-01**			Prepared: 06/11/04 Analyzed: 06/12/04						
line Range Organics C6-C12	481	10.0	mg/kg dry	538	ND	89.4	75-125			
el Range Organics >C12-C35	555	10.0	"	538	ND	103	75-125			
l Hydrocarbon C6-C35	1040	10.0	"	1080	ND	96.3	75-125			
gate: 1-Chlorooctane	*58.1*		*mg/kg*	*50.0*		*116*	*70-130*			
gate: 1-Chlorooctadecane	*38.9*		*"*	*50.0*		*77.8*	*70-130*			
rix Spike Dup (EF41120-MSD2)	**Source: 4F11010-01**			Prepared: 06/11/04 Analyzed: 06/12/04						
line Range Organics C6-C12	470	10.0	mg/kg dry	538	ND	87.4	75-125	2.31	20	
el Range Organics >C12-C35	558	10.0	"	538	ND	104	75-125	0.539	20	
Hydrocarbon C6-C35	1030	10.0	"	1080	ND	95.4	75-125	0.966	20	
gate: 1-Chlorooctane	*58.0*		*mg/kg*	*50.0*		*116*	*70-130*			
gate: 1-Chlorooctadecane	*40.4*		*"*	*50.0*		*80.8*	*70-130*			
ch EF41602 - EPA 5030C (GC)										
k (EF41602-BLK1)				Prepared & Analyzed: 06/15/04						
ene	ND	0.0250	mg/kg wet							
ne	ND	0.0250	"							
benzene	ND	0.0250	"							
e (p/m)	ND	0.0250	"							
e (o)	ND	0.0250	"							
gate: a,a,a-Trifluorotoluene	*97.9*		*ug/kg*	*100*		*97.9*	*80-120*			
gate: 4-Bromofluorobenzene	*92.0*		*"*	*100*		*92.0*	*80-120*			
(EF41602-BS1)				Prepared & Analyzed: 06/15/04						
ene	90.7		ug/kg	100		90.7	80-120			
ne	93.2		"	100		93.2	80-120			
benzene	90.2		"	100		90.2	80-120			
e (p/m)	182		"	200		91.0	80-120			
e (o)	96.0		"	100		96.0	80-120			
gate: a,a,a-Trifluorotoluene	*96.8*		*"*	*100*		*96.8*	*80-120*			
gate: 4-Bromofluorobenzene	*98.9*		*"*	*100*		*98.9*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41602 - EPA 5030C (GC)										
Calibration Check (EF41602-CCV1)				Prepared: 06/15/04 Analyzed: 06/16/04						
Benzene	96.4		ug/kg	100		96.4	80-120			
Toluene	93.5		"	100		93.5	80-120			
Ethylbenzene	88.0		"	100		88.0	80-120			
Xylene (p/m)	176		"	200		88.0	80-120			
Xylene (o)	91.4		"	100		91.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*94.0*		"	*100*		*94.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*89.5*		"	*100*		*89.5*	*80-120*			
Matrix Spike (EF41602-MS1)	**Source: 4F11010-01**			Prepared: 06/15/04 Analyzed: 06/16/04						
Benzene	101		ug/kg	100	ND	101	80-120			
Toluene	98.6		"	100	ND	98.6	80-120			
Ethylbenzene	96.3		"	100	ND	96.3	80-120			
Xylene (p/m)	194		"	200	ND	97.0	80-120			
Xylene (o)	101		"	100	ND	101	80-120			
Surrogate: a,a,a-Trifluorotoluene	*95.5*		"	*100*		*95.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*106*		"	*100*		*106*	*80-120*			
Matrix Spike Dup (EF41602-MSD1)	**Source: 4F11010-01**			Prepared: 06/15/04 Analyzed: 06/16/04						
Benzene	103		ug/kg	100	ND	103	80-120	1.96	20	
Toluene	99.4		"	100	ND	99.4	80-120	0.808	20	
Ethylbenzene	96.6		"	100	ND	96.6	80-120	0.311	20	
Xylene (p/m)	196		"	200	ND	98.0	80-120	1.03	20	
Xylene (o)	102		"	100	ND	102	80-120	0.985	20	
Surrogate: a,a,a-Trifluorotoluene	*85.4*		"	*100*		*85.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*106*		"	*100*		*106*	*80-120*			

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

lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
:h EF41301 - General Preparation (Prep)										
k (EF41301-BLK1)				Prepared & Analyzed: 06/11/04						
lids	100		%							
licate (EF41301-DUP1)		**Source: 4F11001-01**		Prepared & Analyzed: 06/11/04						
lids	86.0		%		86.0			0.00	20	
licate (EF41301-DUP2)		**Source: 4F12001-17**		Prepared & Analyzed: 06/11/04						
lids	86.0		%		87.0			1.16	20	

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Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 6-16-04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

12600 West I-20 East
Odessa Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: Jeff Dann

Company Name: Link Energy / Plains Marketing

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature: Michael B. Brawley

Project Name: Jal 14" Mainline #6

Project #: 2003-00135

Project Loc:

PO#:

4025455

Lab I.D.	Sample I.D.	Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH8015MGRODRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides			RUSH TAT	Standard TAT
1	SL14M061004WSW	06/10/2004	10:12	1	X									X					X				X								
2	SL14M061004BH	06/10/2004	10:16	1	X									X					X				X								
3	SL14M061004ESW	06/10/2004	10:20	1	X									X					X				X								

Analyze For: TCLP / TOTAL (X)

Special Instructions

FAX RESULTS TO PAT McCASLAND ASAP

Relinquished:	Date	Time	Received by:	Date	Time
Michael Brawley			Pat M	6-11-04	10:50
Pat M	6-11-04	10:50	Sandra Rizzo	6/11/04	10:50

Sample Containers Intact? (Y) N

Temperature Upon Request

Laboratory Comments:

0.5°C

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

Client: Plains

Date/Time: 06-11-04 @ 1215

Order #: 4F11011

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	0.5 C
Shipping container/cooler in good condition?	Yes	No	N/A
Custody Seals intact on shipping container/cooler?	Yes	No	~~Not present~~
Custody Seals intact on sample bottles?	Yes	No	~~Not present~~
Chain of custody present?	~~Yes~~	No	
Sample Instructions complete on Chain of Custody?	~~Yes~~	No	
Chain of Custody signed when relinquished and received?	~~Yes~~	No	
Chain of custody agrees with sample label(s)	~~Yes~~	No	
Container labels legible and intact?	~~Yes~~	No	
Sample Matrix and properties same as on chain of custody?	~~Yes~~	No	
Samples in proper container/bottle?	~~Yes~~	No	
Samples properly preserved?	~~Yes~~	No	
Sample bottles intact?	~~Yes~~	No	
Preservations documented on Chain of Custody?	~~Yes~~	No	
Containers documented on Chain of Custody?	~~Yes~~	No	
Sufficient sample amount for indicated test?	~~Yes~~	No	
All samples received within sufficient hold time?	~~Yes~~	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

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

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Jal 14 in. Mainline #6
Project Number: 2003-00135
Location: None Given

Lab Order Number: 4F17006

Report Date: 06/21/04

Plains All American EH & S	Project: Jal 14 in. Mainline #6	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2003-00135	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	06/21/04 11:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Jal14Main#6616041A	4F17006-01	Soil	06/16/04 07:07	06/17/04 12:40
Jal14Main#66160417A	4F17006-02	Soil	06/16/04 07:12	06/17/04 12:40
Jal14Main#6616046A	4F17006-03	Soil	06/16/04 07:15	06/17/04 12:40
Jal14Main#66160414A	4F17006-04	Soil	06/16/04 07:18	06/17/04 12:40
Jal14Main#6616047A	4F17006-05	Soil	06/16/04 07:20	06/17/04 12:40
Jal14Main#6616048A	4F17006-06	Soil	06/16/04 07:24	06/17/04 12:40
Jal14Main#66160410A	4F17006-07	Soil	06/16/04 07:27	06/17/04 12:40
Jal14Main#66160411A	4F17006-08	Soil	06/16/04 07:30	06/17/04 12:40
Jal14Main#66160420A	4F17006-09	Soil	06/16/04 07:34	06/17/04 12:40

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Organics by GC
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4Main#6616041A (4F17006-01) Soil									
zene	ND	0.0250	mg/kg dry	25	EF42102	06/17/04	06/18/04	EPA 8021B	
ıene	ND	0.0250	"	"	"	"	"	"	
/lbenzene	ND	0.0250	"	"	"	"	"	"	
ene (p/m)	ND	0.0250	"	"	"	"	"	"	
ene (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*93.9 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*97.9 %*	*80-120*		"	"	"	"	
ıline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41705	06/17/04	06/17/04	EPA 8015M	
el Range Organics >C12-C35	**150**	10.0	"	"	"	"	"	"	
ıl Hydrocarbon C6-C35	**150**	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*109 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	
4Main#66160417A (4F17006-02) Soil									
ene	**10.4**	0.100	mg/kg dry	100	EF42102	06/17/04	06/18/04	EPA 8021B	
ene	**48.3**	0.100	"	"	"	"	"	"	
lbenzene	**36.4**	0.100	"	"	"	"	"	"	
ne (p/m)	**61.6**	0.100	"	"	"	"	"	"	
ne (o)	**23.0**	0.100	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*664 %*	*80-120*		"	"	"	"	*S-04*
ogate: 4-Bromofluorobenzene		*109 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	**3250**	10.0	mg/kg dry	1	EF41705	06/17/04	06/17/04	EPA 8015M	
el Range Organics >C12-C35	**5810**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**9060**	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*128 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*145 %*	*70-130*		"	"	"	"	*S-04*
4Main#6616046A (4F17006-03) Soil									
ene	**1.12**	0.0500	mg/kg dry	50	EF42102	06/17/04	06/18/04	EPA 8021B	
ene	**8.67**	0.0500	"	"	"	"	"	"	
lbenzene	**9.59**	0.0500	"	"	"	"	"	"	
ne (p/m)	**17.8**	0.0500	"	"	"	"	"	"	
ne (o)	**6.02**	0.0500	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*260 %*	*80-120*		"	"	"	"	*S-04*
ogate: 4-Bromofluorobenzene		*80.1 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	**1560**	10.0	mg/kg dry	1	EF41705	06/17/04	06/17/04	EPA 8015M	
el Range Organics >C12-C35	**5530**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**7090**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Jal14Main#6616046A (4F17006-03) Soil									
Surrogate: 1-Chlorooctane		*122 %*	*70-130*		*EF41705*	*06/17/04*	*06/17/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*161 %*	*70-130*		"	"	"	"	*S-04*
Jal14Main#66160414A (4F17006-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF42102	06/17/04	06/18/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.7 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41705	06/17/04	06/18/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*115 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
Jal14Main#6616047A (4F17006-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF42102	06/17/04	06/18/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*93.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41705	06/17/04	06/18/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	

Organics by GC
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4Main#6616048A (4F17006-06) Soil									
zene	ND	0.0250	mg/kg dry	25	EF42102	06/17/04	06/18/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*91.1 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41705	06/17/04	06/18/04	EPA 8015M	
el Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*98.6 %*	*70-130*		"	"	"	"	
4Main#66160410A (4F17006-07) Soil									
ene	ND	0.0250	mg/kg dry	25	EF42102	06/17/04	06/19/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*89.7 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*88.2 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41705	06/17/04	06/18/04	EPA 8015M	
el Range Organics >C12-C35	**59.2**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**59.2**	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*108 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*104 %*	*70-130*		"	"	"	"	
4Main#66160411A (4F17006-08) Soil									
ene	**0.396**	0.100	mg/kg dry	100	EF42102	06/17/04	06/18/04	EPA 8021B	
ene	**4.26**	0.100	"	"	"	"	"	"	
lbenzene	**5.82**	0.100	"	"	"	"	"	"	
ne (p/m)	**11.7**	0.100	"	"	"	"	"	"	
ne (o)	**4.68**	0.100	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*126 %*	*80-120*		"	"	"	"	*S-04*
ogate: 4-Bromofluorobenzene		*83.2 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	**2080**	50.0	mg/kg dry	5	EF41705	06/17/04	06/18/04	EPA 8015M	
el Range Organics >C12-C35	**16300**	50.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**18400**	50.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Jal14Main#66160411A (4F17006-08) Soil									
Surrogate: 1-Chlorooctane		*29.8 %*	*70-130*		*EF41705*	*06/17/04*	*06/18/04*	*EPA 8015M*	*S-06*
Surrogate: 1-Chlorooctadecane		*65.8 %*	*70-130*		"	"	"	"	*S-06*
Jal14Main#66160420A (4F17006-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF42102	06/17/04	06/18/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0590**	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*92.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.7 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41705	06/17/04	06/18/04	EPA 8015M	
Diesel Range Organics >C12-C35	**73.8**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**73.8**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*110 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	

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

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4Main#6616041A (4F17006-01) Soil									
olids	100		%	1	EF41806	06/17/04	06/17/04	% calculation	
4Main#66160417A (4F17006-02) Soil									
olids	87.0		%	1	EF41806	06/17/04	06/17/04	% calculation	
4Main#6616046A (4F17006-03) Soil									
olids	96.0		%	1	EF41806	06/17/04	06/17/04	% calculation	
4Main#66160414A (4F17006-04) Soil									
olids	98.0		%	1	EF41806	06/17/04	06/17/04	% calculation	
4Main#6616047A (4F17006-05) Soil									
olids	99.0		%	1	EF41806	06/17/04	06/17/04	% calculation	
4Main#6616048A (4F17006-06) Soil									
olids	99.0		%	1	EF41806	06/17/04	06/17/04	% calculation	
4Main#66160410A (4F17006-07) Soil									
olids	98.0		%	1	EF41806	06/17/04	06/17/04	% calculation	
4Main#66160411A (4F17006-08) Soil									
olids	98.0		%	1	EF41806	06/17/04	06/17/04	% calculation	
4Main#66160420A (4F17006-09) Soil									
olids	93.0		%	1	EF41806	06/17/04	06/17/04	% calculation	

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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41705 - Solvent Extraction (GC)										
Blank (EF41705-BLK1)				Prepared & Analyzed: 06/17/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*41.2*		*mg/kg*	*50.0*		*82.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.7*		*"*	*50.0*		*71.4*	*70-130*			
Blank (EF41705-BLK2)				Prepared: 06/17/04 Analyzed: 06/18/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*40.4*		*mg/kg*	*50.0*		*80.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.1*		*"*	*50.0*		*70.2*	*70-130*			
LCS (EF41705-BS1)				Prepared & Analyzed: 06/17/04						
Gasoline Range Organics C6-C12	480	10.0	mg/kg wet	500		96.0	75-125			
Diesel Range Organics >C12-C35	536	10.0	"	500		107	75-125			
Total Hydrocarbon C6-C35	1020	10.0	"	1000		102	75-125			
Surrogate: 1-Chlorooctane	*57.0*		*mg/kg*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.2*		*"*	*50.0*		*76.4*	*70-130*			
LCS (EF41705-BS2)				Prepared: 06/17/04 Analyzed: 06/18/04						
Gasoline Range Organics C6-C12	461	10.0	mg/kg wet	500		92.2	75-125			
Diesel Range Organics >C12-C35	536	10.0	"	500		107	75-125			
Total Hydrocarbon C6-C35	997	10.0	"	1000		99.7	75-125			
Surrogate: 1-Chlorooctane	*55.5*		*mg/kg*	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.8*		*"*	*50.0*		*73.6*	*70-130*			
Calibration Check (EF41705-CCV1)				Prepared & Analyzed: 06/17/04						
Gasoline Range Organics C6-C12	523		mg/kg	500		105	80-120			
Diesel Range Organics >C12-C35	562		"	500		112	80-120			
Total Hydrocarbon C6-C35	1090		"	1000		109	80-120			
Surrogate: 1-Chlorooctane	*53.3*		*"*	*50.0*		*107*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.9*		*"*	*50.0*		*85.8*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EF41705 - Solvent Extraction (GC)										
bration Check (EF41705-CCV2)				Prepared: 06/17/04 Analyzed: 06/18/04						
line Range Organics C6-C12	518		mg/kg	500		104	80-120			
el Range Organics >C12-C35	570		"	500		114	80-120			
Hydrocarbon C6-C35	1090		"	1000		109	80-120			
gate: 1-Chlorooctane	*54.5*		"	*50.0*		*109*	*70-130*			
gate: 1-Chlorooctadecane	*46.7*		"	*50.0*		*93.4*	*70-130*			
rix Spike (EF41705-MS1)	**Source: 4F17003-01**			Prepared & Analyzed: 06/17/04						
line Range Organics C6-C12	595	10.0	mg/kg dry	538	ND	111	75-125			
el Range Organics >C12-C35	657	10.0	"	538	ND	122	75-125			
Hydrocarbon C6-C35	1250	10.0	"	1080	ND	116	75-125			
gate: 1-Chlorooctane	*62.9*		*mg/kg*	*50.0*		*126*	*70-130*			
gate: 1-Chlorooctadecane	*53.2*		"	*50.0*		*106*	*70-130*			
rix Spike (EF41705-MS2)	**Source: 4F17007-02**			Prepared: 06/17/04 Analyzed: 06/18/04						
line Range Organics C6-C12	681	10.0	mg/kg dry	633	ND	108	75-125			
el Range Organics >C12-C35	759	10.0	"	633	ND	120	75-125			
Hydrocarbon C6-C35	1440	10.0	"	1270	ND	113	75-125			
gate: 1-Chlorooctane	*58.3*		*mg/kg*	*50.0*		*117*	*70-130*			
gate: 1-Chlorooctadecane	*49.3*		"	*50.0*		*98.6*	*70-130*			
rix Spike Dup (EF41705-MSD1)	**Source: 4F17003-01**			Prepared & Analyzed: 06/17/04						
line Range Organics C6-C12	599	10.0	mg/kg dry	538	ND	111	75-125	0.670	20	
el Range Organics >C12-C35	645	10.0	"	538	ND	120	75-125	1.84	20	
Hydrocarbon C6-C35	1240	10.0	"	1080	ND	115	75-125	0.803	20	
gate: 1-Chlorooctane	*63.0*		*mg/kg*	*50.0*		*126*	*70-130*			
gate: 1-Chlorooctadecane	*52.7*		"	*50.0*		*105*	*70-130*			
rix Spike Dup (EF41705-MSD2)	**Source: 4F17007-02**			Prepared: 06/17/04 Analyzed: 06/18/04						
line Range Organics C6-C12	677	10.0	mg/kg dry	633	ND	107	75-125	0.589	20	
el Range Organics >C12-C35	777	10.0	"	633	ND	123	75-125	2.34	20	
Hydrocarbon C6-C35	1450	10.0	"	1270	ND	114	75-125	0.692	20	
gate: 1-Chlorooctane	*60.5*		*mg/kg*	*50.0*		*121*	*70-130*			
gate: 1-Chlorooctadecane	*50.7*		"	*50.0*		*101*	*70-130*			

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF42102 - EPA 5030C (GC)										
Blank (EF42102-BLK1)				Prepared & Analyzed: 06/17/04						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*83.4*		*ug/kg*	*100*		*83.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*97.5*		"	*100*		*97.5*	*80-120*			
LCS (EF42102-BS1)				Prepared & Analyzed: 06/17/04						
Benzene	100		ug/kg	100		100	80-120			
Toluene	95.8		"	100		95.8	80-120			
Ethylbenzene	91.4		"	100		91.4	80-120			
Xylene (p/m)	185		"	200		92.5	80-120			
Xylene (o)	96.8		"	100		96.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*88.0*		"	*100*		*88.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*103*		"	*100*		*103*	*80-120*			
Calibration Check (EF42102-CCV1)				Prepared: 06/17/04 Analyzed: 06/19/04						
Benzene	95.3		ug/kg	100		95.3	80-120			
Toluene	91.9		"	100		91.9	80-120			
Ethylbenzene	86.0		"	100		86.0	80-120			
Xylene (p/m)	173		"	200		86.5	80-120			
Xylene (o)	90.8		"	100		90.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*93.6*		"	*100*		*93.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*95.9*		"	*100*		*95.9*	*80-120*			
Matrix Spike (EF42102-MS1)	**Source: 4F17007-01**			Prepared: 06/17/04 Analyzed: 06/19/04						
Benzene	98.5		ug/kg	100	ND	98.5	80-120			
Toluene	95.3		"	100	ND	95.3	80-120			
Ethylbenzene	90.2		"	100	ND	90.2	80-120			
Xylene (p/m)	182		"	200	ND	91.0	80-120			
Xylene (o)	93.7		"	100	ND	93.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	*96.2*		"	*100*		*96.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*99.2*		"	*100*		*99.2*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EF42102 - EPA 5030C (GC)										
rix Spike Dup (EF42102-MSD1)	**Source: 4F17007-01**			Prepared: 06/17/04		Analyzed: 06/19/04				
ene	100		ug/kg	100	ND	100	80-120	1.51	20	
ne	96.6		"	100	ND	96.6	80-120	1.35	20	
benzene	91.6		"	100	ND	91.6	80-120	1.54	20	
ne (p/m)	185		"	200	ND	92.5	80-120	1.63	20	
ne (o)	96.7		"	100	ND	96.7	80-120	3.15	20	
gate: a,a,a-Trifluorotoluene	*94.6*		"	*100*		*94.6*	*80-120*			
gate: 4-Bromofluorobenzene	*105*		"	*100*		*105*	*80-120*			

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

Project: Jal 14 in. Mainline #6
Project Number: 2003-00135
Project Manager: Jeff Dann

Fax: (432) 687-4914

Reported:
06/21/04 11:32

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF41806 - General Preparation (Prep)										
Blank (EF41806-BLK1)				Prepared & Analyzed: 06/17/04						
% Solids	100		%							
Duplicate (EF41806-DUP1)		**Source: 4F17003-01**		Prepared & Analyzed: 06/17/04						
% Solids	93.0		%		93.0			0.00	20	

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 6-21-04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

Environmental Lab of Texas, Inc.
12600 West I-20 East Phone: 915-563-1800
Odessa Texas 79763 Fax: 915-563-1713

Project Manager: Jeff Dann
Company Name: Link Energy / Plains Marketing
Company Address:
City/State/Zip:
Telephone No:
Sampler Signature: Michael O Beverly

Project Name: Jal 14" Mainline #6
Project #: 2003-00135
Project Loc:
PO#:

QF1700G

		Date Sampled	Time Sampled	No. of Containers 402 9455	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH8015MGRODRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030 X	Reactivity	Corrosivity	Ignitiability	Chlorides			RUSH TAT	Standard TAT
-01	Jal14"Main#6616041A	06/16/2004	7:07	1	X									X					X				X								
-02	Jal14"Main#66160417A	06/16/2004	7:12	1	X									X					X				X								
-03	Jal14"Main#6616046A	06/16/2004	7:15	1	X									X					X				X								
-04	Jal14"Main#66160414A	06/16/2004	7:18	1	X									X					X				X								
-05	Jal14"Main#6616047A	06/16/2004	7:20	1	X									X					X				X								
-06	Jal14"Main#6616048A	06/16/2004	7:24	1	X									X					X				X								
-07	Jal14"Main#66160410A	06/16/2004	7:27	1	X									X					X				X								
-08	Jal14"Main#66160411A	06/16/2004	7:30	1	X									X					X				X								
-09	Jal14"Main#66160420A	06/16/2004	7:34	1	X									X					X				X								

Special Instructions

FAX RESULTS TO PAT McCASLAND ASAP

Sample Containers Intact Y N
Temperature Upon Request
Laboratory Comments:
Rec 4°C.

Relinquished:	Date	Time	Received by:	Date	Time
Michael O Beverly	6-17	8:00			
Relinquished:	Date	Time	Received by:	Date	Time
	6/17		Paula Kline	6-17-04	1240

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

nt: Plains P/L

e/Time: 06-17-04 @ 1315

ler #: 4F17006

als: JMM

Sample Receipt Checklist

perature of container/cooler?	(Yes)	No	4 C
ping container/cooler in good condition?	Yes	No	N/A
tody Seals intact on shipping container/cooler?	Yes	No	Not present
tody Seals intact on sample bottles?	Yes	No	Not present
in of custody present?	(Yes)	No	
ple Instructions complete on Chain of Custody?	(Yes)	No	
in of Custody signed when relinquished and received?	(Yes)	No	
in of custody agrees with sample label(s)	Yes	No	
tainer labels legible and intact?	Yes	No	
ple Matrix and properties same as on chain of custody?	(Yes)	No	
ples in proper container/bottle?	(Yes)	No	
ples properly preserved?	(Yes)	No	
ple bottles intact?	(Yes)	No	
servations documented on Chain of Custody?	(Yes)	No	
tainers documented on Chain of Custody?	(Yes)	No	
icient sample amount for indicated test?	(Yes)	No	
samples received within sufficient hold time?	(Yes)	No	
C samples have zero headspace?	(Yes)	No	Not Applicable

ner observations:

Variance Documentation:

ntact Person: - Date/Time: Contacted by:

garding:

rrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Vacuum To Jal 14 inch Mainline #6
Project Number: 2003-00135
Location: Secs 25/36 T23S R37E Lea Co. , NM

Lab Order Number: 4G14018

Report Date: 07/20/04

ains All American EH & S
01 S. County Road 1150
idland TX, 79706-4476

Project: Vacuum To Jal 14 inch Mainline #6
Project Number: 2003-00135
Project Manager: Jimmy Bryant

Fax: (432) 687-4914
Reported:
07/20/04 12:37

ANALYTICAL REPORT FOR SAMPLES

mple ID	Laboratory ID	Matrix	Date Sampled	Date Received
'AAVJ671204#28	4G14018-01	Soil	07/12/04 07:40	07/14/04 11:36
'AAVJ671204#29	4G14018-02	Soil	07/12/04 07:45	07/14/04 11:36
'AAVJ671204#30	4G14018-03	Soil	07/12/04 07:51	07/14/04 11:36
AAVJ671204#31	4G14018-04	Soil	07/12/04 07:54	07/14/04 11:36
AAVJ671204#32	4G14018-05	Soil	07/12/04 07:58	07/14/04 11:36
AAVJ671204#33	4G14018-06	Soil	07/12/04 08:12	07/14/04 11:36
AAVJ671204#34	4G14018-07	Soil	07/12/04 08:25	07/14/04 11:36
AAVJ671204#35	4G14018-08	Soil	07/12/04 08:52	07/14/04 11:36
AAVJ671204#36	4G14018-09	Soil	07/12/04 08:54	07/14/04 11:36
AAVJ671204#37	4G14018-10	Soil	07/12/04 09:10	07/14/04 11:36
AAVJ671204#38	4G14018-11	Soil	07/12/04 09:25	07/14/04 11:36
AAVJ671204#39	4G14018-12	Soil	07/12/04 09:30	07/14/04 11:36
AAVJ671204#40	4G14018-13	Soil	07/12/04 09:34	07/14/04 11:36
AAVJ671204#41	4G14018-14	Soil	07/12/04 09:40	07/14/04 11:36
AAVJ671204#42	4G14018-15	Soil	07/12/04 10:00	07/14/04 11:36
AAVJ671204#43	4G14018-16	Soil	07/12/04 10:05	07/14/04 11:36
AAVJ671204#44	4G14018-17	Soil	07/12/04 10:12	07/14/04 11:36
AAVJ671304#45	4G14018-18	Soil	07/13/04 07:15	07/14/04 11:36
AAVJ671304#46	4G14018-19	Soil	07/13/04 07:18	07/14/04 11:36
AAVJ671304#47	4G14018-20	Soil	07/13/04 07:21	07/14/04 11:36
AAVJ671304#48	4G14018-21	Soil	07/13/04 07:23	07/14/04 11:36
AAVJ671304#49	4G14018-22	Soil	07/13/04 07:25	07/14/04 11:36
AAVJ671304#50	4G14018-23	Soil	07/13/04 07:30	07/14/04 11:36
AAVJ671304#51	4G14018-24	Soil	07/13/04 07:36	07/14/04 11:36
AAVJ671304#52	4G14018-25	Soil	07/13/04 07:50	07/14/04 11:36
AAVJ671304#53	4G14018-26	Soil	07/13/04 07:59	07/14/04 11:36
AAVJ671304#54	4G14018-27	Soil	07/13/04 08:18	07/14/04 11:36
AAVJ671304#55	4G14018-28	Soil	07/13/04 08:20	07/14/04 11:36
AAVJ671304#56	4G14018-29	Soil	07/13/04 08:24	07/14/04 11:36
AAVJ671304#57	4G14018-30	Soil	07/13/04 09:02	07/14/04 11:36
AAVJ671304#58	4G14018-31	Soil	07/13/04 09:07	07/14/04 11:36
AAVJ671304#59	4G14018-32	Soil	07/13/04 09:11	07/14/04 11:36
AAVJ671304#60	4G14018-33	Soil	07/13/04 09:15	07/14/04 11:36

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Organics by GC
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AVJ671204#28 (4G14018-01) Soil									
zene	**J [0.0209]**	0.0250	mg/kg dry	25	EG41605	07/14/04	07/15/04	EPA 8021B	J
ıene	**0.171**	0.0250	"	"	"	"	"	"	
ylbenzene	**0.301**	0.0250	"	"	"	"	"	"	
ene (p/m)	**1.39**	0.0250	"	"	"	"	"	"	
ene (o)	**0.601**	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*96.8 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*93.5 %*	*80-120*		"	"	"	"	
oline Range Organics C6-C12	**273**	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
el Range Organics >C12-C35	**1420**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**1690**	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*97.6 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*80.4 %*	*70-130*		"	"	"	"	
AVJ671204#29 (4G14018-02) Soil									
ene	ND	0.0250	mg/kg dry	25	EG41605	07/14/04	07/15/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*89.4 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*98.0 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
l Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*87.6 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*73.8 %*	*70-130*		"	"	"	"	
AVJ671204#30 (4G14018-03) Soil									
ene	ND	0.0250	mg/kg dry	25	EG41605	07/14/04	07/15/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*83.3 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*93.6 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
l Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPAAVJ671204#30 (4G14018-03) Soil									
Surrogate: 1-Chlorooctane		*79.8 %*		*70-130*		*EG41406*	*07/15/04*	*07/15/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*75.0 %*		*70-130*		"	"	"	"	
SPAAVJ671204#31 (4G14018-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG41605	07/14/04	07/15/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*80.0 %*		*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*89.7 %*		*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*76.2 %*		*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.0 %*		*70-130*		"	"	"	"	
SPAAVJ671204#32 (4G14018-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG41605	07/14/04	07/15/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*89.0 %*		*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.4 %*		*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/16/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.4 %*		*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*77.2 %*		*70-130*		"	"	"	"	

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yte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AVJ671204#33 (4G14018-06) Soil									
ene	ND	0.0250	mg/kg dry	25	EG41605	07/14/04	07/15/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
benzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*90.7 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*95.3 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
l Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*81.6 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*73.6 %*	*70-130*		"	"	"	"	
VJ671204#34 (4G14018-07) Soil									
ene	ND	0.0250	mg/kg dry	25	EG41605	07/14/04	07/15/04	EPA 8021B	
ne	ND	0.0250	"	"	"	"	"	"	
benzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*86.6 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*95.3 %*	*80-120*		"	"	"	"	
ine Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
l Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*81.2 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*72.4 %*	*70-130*		"	"	"	"	
VJ671204#35 (4G14018-08) Soil									
ene	ND	0.0250	mg/kg dry	25	EG41605	07/14/04	07/15/04	EPA 8021B	
ne	ND	0.0250	"	"	"	"	"	"	
benzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*85.6 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*103 %*	*80-120*		"	"	"	"	
ine Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
l Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPAAVJ671204#35 (4G14018-08) Soil									
Surrogate: 1-Chlorooctane		*86.6 %*	*70-130*		*EG41406*	*07/15/04*	*07/15/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*72.4 %*	*70-130*		"	"	"	"	
SPAAVJ671204#36 (4G14018-09) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/15/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.3 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.1 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*73.8 %*	*70-130*		"	"	"	"	
SPAAVJ671204#37 (4G14018-10) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/15/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*88.1 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.6 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*117 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.8 %*	*70-130*		"	"	"	"	

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lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AVJ671204#38 (4G14018-11) Soil									
zene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
ıene	ND	0.0250	"	"	"	"	"	"	
/lbenzene	ND	0.0250	"	"	"	"	"	"	
ene (p/m)	ND	0.0250	"	"	"	"	"	"	
ene (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*86.0 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*84.3 %*	*80-120*		"	"	"	"	
)line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
el Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*89.0 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*74.0 %*	*70-130*		"	"	"	"	
AVJ671204#39 (4G14018-12) Soil									
ene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*90.3 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*94.0 %*	*80-120*		"	"	"	"	
)line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
el Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*77.8 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*72.4 %*	*70-130*		"	"	"	"	
AVJ671204#40 (4G14018-13) Soil									
ene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*83.6 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*93.3 %*	*80-120*		"	"	"	"	
)line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
el Range Organics >C12-C35	**91.3**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**91.3**	10.0	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPAAVJ671204#40 (4G14018-13) Soil									
Surrogate: 1-Chlorooctane		*82.2 %*		*70-130*		*EG41406*	*07/15/04*	*07/15/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*70.0 %*		*70-130*		"	"	"	"	
SPAAVJ671204#41 (4G14018-14) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.0686**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0298**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*85.6 %*		*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.0 %*		*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**42.2**	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1550**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1590**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*109 %*		*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*100 %*		*70-130*		"	"	"	"	
SPAAVJ671204#42 (4G14018-15) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*91.0 %*		*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*		*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*92.6 %*		*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*79.4 %*		*70-130*		"	"	"	"	

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alyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AVJ671204#43 (4G14018-16) Soil									
zene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
uene	ND	0.0250	"	"	"	"	"	"	
ylbenzene	ND	0.0250	"	"	"	"	"	"	
ene (p/m)	**0.0447**	0.0250	"	"	"	"	"	"	
ene (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*81.6 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*96.0 %*	*80-120*		"	"	"	"	
oline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
iel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*74.2 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*71.4 %*	*70-130*		"	"	"	"	
AVJ671204#44 (4G14018-17) Soil									
zene	**J [0.0201]**	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	J
ıene	**0.0603**	0.0250	"	"	"	"	"	"	
ylbenzene	**0.0376**	0.0250	"	"	"	"	"	"	
ene (p/m)	**0.281**	0.0250	"	"	"	"	"	"	
ene (o)	**0.108**	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*84.7 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*96.4 %*	*80-120*		"	"	"	"	
oline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
el Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*91.2 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*74.2 %*	*70-130*		"	"	"	"	
AVJ671304#45 (4G14018-18) Soil									
zene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
ıene	**J [0.0213]**	0.0250	"	"	"	"	"	"	J
ylbenzene	**J [0.0182]**	0.0250	"	"	"	"	"	"	J
ene (p/m)	**0.127**	0.0250	"	"	"	"	"	"	
ene (o)	**0.0601**	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*87.2 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*97.8 %*	*80-120*		"	"	"	"	
oline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
el Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPAAVJ671304#45 (4G14018-18) Soil									
Surrogate: 1-Chlorooctane		*92.4 %*	*70-130*		*EG41406*	*07/15/04*	*07/15/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*75.6 %*	*70-130*		"	"	"	"	
SPAAVJ671304#46 (4G14018-19) Soil									
Benzene	**1.89**	0.100	mg/kg dry	100	EG41905	07/15/04	07/19/04	EPA 8021B	
Toluene	**32.9**	0.100	"	"	"	"	"	"	
Ethylbenzene	**42.7**	0.100	"	"	"	"	"	"	
Xylene (p/m)	**70.8**	0.100	"	"	"	"	"	"	
Xylene (o)	**25.0**	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*329 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*90.6 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**1650**	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	**6680**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**8330**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*81.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*82.4 %*	*70-130*		"	"	"	"	
SPAAVJ671304#47 (4G14018-20) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.6 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*90.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*71.0 %*	*70-130*		"	"	"	"	

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lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AVJ671304#48 (4G14018-21) Soil									
ene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*81.0 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*91.3 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
l Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*72.4 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*73.2 %*	*70-130*		"	"	"	"	
VJ671304#49 (4G14018-22) Soil									
ene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
ne	ND	0.0250	"	"	"	"	"	"	
benzene	ND	0.0250	"	"	"	"	"	"	
e (p/m)	ND	0.0250	"	"	"	"	"	"	
e (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*83.9 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*91.0 %*	*80-120*		"	"	"	"	
ine Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/15/04	EPA 8015M	
l Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*92.8 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*70.6 %*	*70-130*		"	"	"	"	
VJ671304#50 (4G14018-23) Soil									
ne	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
ne	ND	0.0250	"	"	"	"	"	"	
benzene	ND	0.0250	"	"	"	"	"	"	
e (p/m)	ND	0.0250	"	"	"	"	"	"	
e (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*83.4 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*87.0 %*	*80-120*		"	"	"	"	
ine Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/16/04	EPA 8015M	
l Range Organics >C12-C35	**74.0**	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	**74.0**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPAAVJ671304#50 (4G14018-23) Soil									
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		*EG41406*	*07/15/04*	*07/16/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*73.2 %*	*70-130*		"	"	"	"	
SPAAVJ671304#51 (4G14018-24) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*82.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.9 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/16/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*80.4 %*	*70-130*		"	"	"	"	
SPAAVJ671304#52 (4G14018-25) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/16/04	EPA 8015M	
Diesel Range Organics >C12-C35	**35.7**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**35.7**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.2 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AVJ671304#53 (4G14018-26) Soil									
zene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
ıene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*81.9 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*94.9 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/16/04	EPA 8015M	
el Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*93.6 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*71.0 %*	*70-130*		"	"	"	"	
AVJ671304#54 (4G14018-27) Soil									
ene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*82.3 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*94.7 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41406	07/15/04	07/16/04	EPA 8015M	
el Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*95.4 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*71.0 %*	*70-130*		"	"	"	"	
AVJ671304#55 (4G14018-28) Soil									
ene	ND	0.0250	mg/kg dry	25	EG41905	07/15/04	07/16/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*81.6 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*92.4 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	**14.6**	10.0	mg/kg dry	1	EG41406	07/15/04	07/16/04	EPA 8015M	
el Range Organics >C12-C35	**295**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**310**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPAAVJ671304#55 (4G14018-28) Soil									
Surrogate: 1-Chlorooctane		*83.0 %*		*70-130*	*EG41406*	*07/15/04*	*07/16/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*71.0 %*		*70-130*	"	"	"	"	
SPAAVJ671304#56 (4G14018-29) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG42002	07/19/04	07/19/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*87.4 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.2 %*		*80-120*	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41603	07/16/04	07/16/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*97.2 %*		*70-130*	"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.8 %*		*70-130*	"	"	"	"	
SPAAVJ671304#57 (4G14018-30) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG42002	07/19/04	07/19/04	EPA 8021B	
Toluene	**J [0.0189]**	0.0250	"	"	"	"	"	"	J
Ethylbenzene	**0.0609**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.418**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.229**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.3 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.2 %*		*80-120*	"	"	"	"	
Gasoline Range Organics C6-C12	**711**	50.0	mg/kg dry	5	EG41603	07/16/04	07/16/04	EPA 8015M	
Diesel Range Organics >C12-C35	**5820**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**6530**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*9.20 %*		*70-130*	"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*18.8 %*		*70-130*	"	"	"	"	*S-06*

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
Midland TX, 79706-4476

Project: Vacuum To Jal 14 inch Mainline #6
Project Number: 2003-00135
Project Manager: Jimmy Bryant

Fax: (432) 687-4914

Reported:
07/20/04 12:37

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPAAVJ671304#58 (4G14018-31) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG42002	07/19/04	07/19/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	**J [0.0161]**	0.0250	"	"	"	"	"	"	J
Xylene (p/m)	**0.0639**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.0263**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*80.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.7 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**16.4**	10.0	mg/kg dry	1	EG41603	07/16/04	07/16/04	EPA 8015M	
Diesel Range Organics >C12-C35	**243**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**259**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*72.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.8 %*	*70-130*		"	"	"	"	
SPAAVJ671304#59 (4G14018-32) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG42002	07/19/04	07/19/04	EPA 8021B	
Toluene	**0.147**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.262**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.604**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.245**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**86.6**	10.0	mg/kg dry	1	EG41603	07/16/04	07/16/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1190**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1280**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*85.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*75.2 %*	*70-130*		"	"	"	"	
SPAAVJ671304#60 (4G14018-33) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EG42002	07/19/04	07/19/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*80.0 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG41603	07/16/04	07/16/04	EPA 8015M	
Diesel Range Organics >C12-C35	**46.9**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**46.9**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPAAVJ671304#60 (4G14018-33) Soil									
Surrogate: 1-Chlorooctane		*85.2 %*	*70-130*		*EG41603*	*07/16/04*	*07/16/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*70.6 %*	*70-130*		*"*	*"*	*"*	*"*	

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

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AVJ671204#28 (4G14018-01) Soil									
olids	**98.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671204#29 (4G14018-02) Soil									
olids	**99.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671204#30 (4G14018-03) Soil									
olids	**98.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671204#31 (4G14018-04) Soil									
olids	**99.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671204#32 (4G14018-05) Soil									
olids	**95.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671204#33 (4G14018-06) Soil									
olids	**97.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671204#34 (4G14018-07) Soil									
olids	**96.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671204#35 (4G14018-08) Soil									
olids	**90.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671204#36 (4G14018-09) Soil									
olids	**94.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671204#37 (4G14018-10) Soil									
olids	**77.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPAAVJ671204#38 (4G14018-11) Soil									
% Solids	**93.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
SPAAVJ671204#39 (4G14018-12) Soil									
% Solids	**97.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
SPAAVJ671204#40 (4G14018-13) Soil									
% Solids	**97.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
SPAAVJ671204#41 (4G14018-14) Soil									
% Solids	**94.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
SPAAVJ671204#42 (4G14018-15) Soil									
% Solids	**96.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
SPAAVJ671204#43 (4G14018-16) Soil									
% Solids	**93.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
SPAAVJ671204#44 (4G14018-17) Soil									
% Solids	**91.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
SPAAVJ671304#45 (4G14018-18) Soil									
% Solids	**91.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
SPAAVJ671304#46 (4G14018-19) Soil									
% Solids	**86.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
SPAAVJ671304#47 (4G14018-20) Soil									
% Solids	**99.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	

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

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AVJ671304#48 (4G14018-21) Soil									
olids	98.0		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671304#49 (4G14018-22) Soil									
olids	95.0		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671304#50 (4G14018-23) Soil									
olids	95.0		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671304#51 (4G14018-24) Soil									
olids	93.0		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671304#52 (4G14018-25) Soil									
olids	96.0		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671304#53 (4G14018-26) Soil									
olids	98.0		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671304#54 (4G14018-27) Soil									
olids	93.0		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671304#55 (4G14018-28) Soil									
olids	94.0		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671304#56 (4G14018-29) Soil									
olids	97.0		%	1	EG41618	07/16/04	07/16/04	% calculation	
AVJ671304#57 (4G14018-30) Soil									
olids	98.0		%	1	EG41618	07/16/04	07/16/04	% calculation	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPAAVJ671304#58 (4G14018-31) Soil									
% Solids	**99.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
SPAAVJ671304#59 (4G14018-32) Soil									
% Solids	**98.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	
SPAAVJ671304#60 (4G14018-33) Soil									
% Solids	**94.0**		%	1	EG41618	07/16/04	07/16/04	% calculation	

Organics by GC - Quality Control
Environmental Lab of Texas

ılyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EG41406 - Solvent Extraction (GC)										
ık (EG41406-BLK1)				Prepared: 07/14/04 Analyzed: 07/15/04						
ıline Range Organics C6-C12	ND	10.0	mg/kg wet							
el Range Organics >C12-C35	ND	10.0	"							
l Hydrocarbon C6-C35	ND	10.0	"							
ɔgate: 1-Chlorooctane	*43.4*		*mg/kg*	*50.0*		*86.8*	*70-130*			
ɔgate: 1-Chlorooctadecane	*35.8*		*"*	*50.0*		*71.6*	*70-130*			
ık (EG41406-BLK2)				Prepared: 07/14/04 Analyzed: 07/15/04						
line Range Organics C6-C12	ND	10.0	mg/kg wet							
el Range Organics >C12-C35	ND	10.0	"							
Hydrocarbon C6-C35	ND	10.0	"							
ɔgate: 1-Chlorooctane	*45.1*		*mg/kg*	*50.0*		*90.2*	*70-130*			
ɔgate: 1-Chlorooctadecane	*37.4*		*"*	*50.0*		*74.8*	*70-130*			
(EG41406-BS1)				Prepared: 07/14/04 Analyzed: 07/15/04						
line Range Organics C6-C12	420	10.0	mg/kg wet	500		84.0	75-125			
l Range Organics >C12-C35	501	10.0	"	500		100	75-125			
Hydrocarbon C6-C35	921	10.0	"	1000		92.1	75-125			
ɔgate: 1-Chlorooctane	*54.6*		*mg/kg*	*50.0*		*109*	*70-130*			
ɔgate: 1-Chlorooctadecane	*36.1*		*"*	*50.0*		*72.2*	*70-130*			
(EG41406-BS2)				Prepared: 07/14/04 Analyzed: 07/15/04						
ine Range Organics C6-C12	428	10.0	mg/kg wet	500		85.6	75-125			
l Range Organics >C12-C35	477	10.0	"	500		95.4	75-125			
Hydrocarbon C6-C35	905	10.0	"	1000		90.5	75-125			
gate: 1-Chlorooctane	*53.3*		*mg/kg*	*50.0*		*107*	*70-130*			
gate: 1-Chlorooctadecane	*38.3*		*"*	*50.0*		*76.6*	*70-130*			
ɔration Check (EG41406-CCV1)				Prepared: 07/14/04 Analyzed: 07/15/04						
ine Range Organics C6-C12	420		mg/kg	500		84.0	80-120			
l Range Organics >C12-C35	469		"	500		93.8	80-120			
Hydrocarbon C6-C35	889		"	1000		88.9	80-120			
gate: 1-Chlorooctane	*52.8*		*"*	*50.0*		*106*	*70-130*			
gate: 1-Chlorooctadecane	*36.4*		*"*	*50.0*		*72.8*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG41406 - Solvent Extraction (GC)										
Calibration Check (EG41406-CCV2)				Prepared: 07/14/04 Analyzed: 07/15/04						
Gasoline Range Organics C6-C12	413		mg/kg	500		82.6	80-120			
Diesel Range Organics >C12-C35	480		"	500		96.0	80-120			
Total Hydrocarbon C6-C35	893		"	1000		89.3	80-120			
Surrogate: 1-Chlorooctane	*52.0*		*"*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.2*		*"*	*50.0*		*80.4*	*70-130*			
Matrix Spike (EG41406-MS1)		**Source: 4G14018-07**		Prepared: 07/14/04 Analyzed: 07/16/04						
Gasoline Range Organics C6-C12	482	10.0	mg/kg dry	521	ND	92.5	75-125			
Diesel Range Organics >C12-C35	553	10.0	"	521	ND	106	75-125			
Total Hydrocarbon C6-C35	1040	10.0	"	1040	ND	100	75-125			
Surrogate: 1-Chlorooctane	*58.1*		*mg/kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.1*		*"*	*50.0*		*74.2*	*70-130*			
Matrix Spike (EG41406-MS2)		**Source: 4G14018-09**		Prepared: 07/14/04 Analyzed: 07/16/04						
Gasoline Range Organics C6-C12	497	10.0	mg/kg dry	532	ND	93.4	75-125			
Diesel Range Organics >C12-C35	554	10.0	"	532	ND	104	75-125			
Total Hydrocarbon C6-C35	1050	10.0	"	1060	ND	99.1	75-125			
Surrogate: 1-Chlorooctane	*62.0*		*mg/kg*	*50.0*		*124*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.4*		*"*	*50.0*		*76.8*	*70-130*			
Matrix Spike Dup (EG41406-MSD1)		**Source: 4G14018-07**		Prepared: 07/14/04 Analyzed: 07/16/04						
Gasoline Range Organics C6-C12	466	10.0	mg/kg dry	521	ND	89.4	75-125	3.38	20	
Diesel Range Organics >C12-C35	546	10.0	"	521	ND	105	75-125	1.27	20	
Total Hydrocarbon C6-C35	1010	10.0	"	1040	ND	97.1	75-125	2.93	20	
Surrogate: 1-Chlorooctane	*56.6*		*mg/kg*	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.0*		*"*	*50.0*		*74.0*	*70-130*			
Matrix Spike Dup (EG41406-MSD2)		**Source: 4G14018-09**		Prepared: 07/14/04 Analyzed: 07/16/04						
Gasoline Range Organics C6-C12	489	10.0	mg/kg dry	532	ND	91.9	75-125	1.62	20	
Diesel Range Organics >C12-C35	549	10.0	"	532	ND	103	75-125	0.907	20	
Total Hydrocarbon C6-C35	1040	10.0	"	1060	ND	98.1	75-125	0.957	20	
Surrogate: 1-Chlorooctane	*63.9*		*mg/kg*	*50.0*		*128*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.1*		*"*	*50.0*		*80.2*	*70-130*			

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Organics by GC - Quality Control
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EG41603 - Solvent Extraction (GC)										
ık (EG41603-BLK1)			Prepared & Analyzed: 07/16/04							
line Range Organics C6-C12	ND	10.0	mg/kg wet							
:l Range Organics >C12-C35	ND	10.0	"							
Hydrocarbon C6-C35	ND	10.0	"							
gate: 1-Chlorooctane	*43.5*		*mg/kg*	*50.0*		*87.0*	*70-130*			
gate: 1-Chlorooctadecane	*36.3*		*"*	*50.0*		*72.6*	*70-130*			
(EG41603-BS1)			Prepared & Analyzed: 07/16/04							
ine Range Organics C6-C12	424	10.0	mg/kg wet	500		84.8	75-125			
l Range Organics >C12-C35	436	10.0	"	500		87.2	75-125			
Hydrocarbon C6-C35	860	10.0	"	1000		86.0	75-125			
gate: 1-Chlorooctane	*44.9*		*mg/kg*	*50.0*		*89.8*	*70-130*			
gate: 1-Chlorooctadecane	*36.3*		*"*	*50.0*		*72.6*	*70-130*			
ıration Check (EG41603-CCV1)			Prepared & Analyzed: 07/16/04							
ine Range Organics C6-C12	423		mg/kg	500		84.6	80-120			
l Range Organics >C12-C35	453		"	500		90.6	80-120			
Hydrocarbon C6-C35	876		"	1000		87.6	80-120			
gate: 1-Chlorooctane	*53.6*		*"*	*50.0*		*107*	*70-130*			
gate: 1-Chlorooctadecane	*36.8*		*"*	*50.0*		*73.6*	*70-130*			
ix Spike (EG41603-MS1)	**Source: 4G14018-29**		Prepared & Analyzed: 07/16/04							
ine Range Organics C6-C12	454	10.0	mg/kg dry	515	ND	88.2	75-125			
Range Organics >C12-C35	443	10.0	"	515	ND	86.0	75-125			
Hydrocarbon C6-C35	897	10.0	"	1030	ND	87.1	75-125			
gate: 1-Chlorooctane	*50.6*		*mg/kg*	*50.0*		*101*	*70-130*			
gate: 1-Chlorooctadecane	*38.5*		*"*	*50.0*		*77.0*	*70-130*			
ix Spike Dup (EG41603-MSD1)	**Source: 4G14018-29**		Prepared & Analyzed: 07/16/04							
ne Range Organics C6-C12	437	10.0	mg/kg dry	515	ND	84.9	75-125	3.82	20	
Range Organics >C12-C35	458	10.0	"	515	ND	88.9	75-125	3.33	20	
Hydrocarbon C6-C35	895	10.0	"	1030	ND	86.9	75-125	0.223	20	
gate: 1-Chlorooctane	*51.5*		*mg/kg*	*50.0*		*103*	*70-130*			
gate: 1-Chlorooctadecane	*35.4*		*"*	*50.0*		*70.8*	*70-130*			

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Organics by GC - Quality Control
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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG41605 - EPA 5030C (GC)										
Blank (EG41605-BLK1)				Prepared & Analyzed: 07/14/04						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*89.1*		*ug/kg*	*100*		*89.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*101*		*"*	*100*		*101*	*80-120*			
LCS (EG41605-BS1)				Prepared & Analyzed: 07/14/04						
Benzene	97.3		ug/kg	100		97.3	80-120			
Toluene	95.8		"	100		95.8	80-120			
Ethylbenzene	96.7		"	100		96.7	80-120			
Xylene (p/m)	194		"	200		97.0	80-120			
Xylene (o)	103		"	100		103	80-120			
Surrogate: a,a,a-Trifluorotoluene	*84.3*		*"*	*100*		*84.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*101*		*"*	*100*		*101*	*80-120*			
Calibration Check (EG41605-CCV1)				Prepared: 07/14/04 Analyzed: 07/15/04						
Benzene	96.0		ug/kg	100		96.0	80-120			
Toluene	93.6		"	100		93.6	80-120			
Ethylbenzene	92.5		"	100		92.5	80-120			
Xylene (p/m)	185		"	200		92.5	80-120			
Xylene (o)	99.0		"	100		99.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	*87.4*		*"*	*100*		*87.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*93.6*		*"*	*100*		*93.6*	*80-120*			
Matrix Spike (EG41605-MS1)	**Source: 4G14018-08**			Prepared: 07/14/04 Analyzed: 07/15/04						
Benzene	96.6		ug/kg	100	ND	96.6	80-120			
Toluene	94.5		"	100	ND	94.5	80-120			
Ethylbenzene	96.3		"	100	ND	96.3	80-120			
Xylene (p/m)	188		"	200	ND	94.0	80-120			
Xylene (o)	99.8		"	100	ND	99.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*90.8*		*"*	*100*		*90.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*104*		*"*	*100*		*104*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EG41605 - EPA 5030C (GC)										
rix Spike Dup (EG41605-MSD1)	**Source: 4G14018-08**			Prepared: 07/14/04 Analyzed: 07/15/04						
ene	90.6		ug/kg	100	ND	90.6	80-120	6.41	20	
ene	88.1		"	100	ND	88.1	80-120	7.01	20	
lbenzene	90.2		"	100	ND	90.2	80-120	6.54	20	
ne (p/m)	182		"	200	ND	91.0	80-120	3.24	20	
ne (o)	97.1		"	100	ND	97.1	80-120	2.74	20	
gate: a,a,a-Trifluorotoluene	*84.7*		"	*100*		*84.7*	*80-120*			
gate: 4-Bromofluorobenzene	*98.6*		"	*100*		*98.6*	*80-120*			
ch EG41905 - EPA 5030C (GC)										
k (EG41905-BLK1)				Prepared & Analyzed: 07/15/04						
ene	ND	0.0250	mg/kg wet							
ne	ND	0.0250	"							
benzene	ND	0.0250	"							
ne (p/m)	ND	0.0250	"							
ne (o)	ND	0.0250	"							
gate: a,a,a-Trifluorotoluene	*82.7*		*ug/kg*	*100*		*82.7*	*80-120*			
gate: 4-Bromofluorobenzene	*92.7*		"	*100*		*92.7*	*80-120*			
(EG41905-BS1)				Prepared & Analyzed: 07/15/04						
ene	96.1		ug/kg	100		96.1	80-120			
ne	94.1		"	100		94.1	80-120			
benzene	95.2		"	100		95.2	80-120			
ne (p/m)	192		"	200		96.0	80-120			
ne (o)	101		"	100		101	80-120			
gate: a,a,a-Trifluorotoluene	*88.8*		"	*100*		*88.8*	*80-120*			
gate: 4-Bromofluorobenzene	*102*		"	*100*		*102*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG41905 - EPA 5030C (GC)										
Calibration Check (EG41905-CCV1)				Prepared: 07/15/04 Analyzed: 07/16/04						
Benzene	91.4		ug/kg	100		91.4	80-120			
Toluene	89.1		"	100		89.1	80-120			
Ethylbenzene	87.8		"	100		87.8	80-120			
Xylene (p/m)	175		"	200		87.5	80-120			
Xylene (o)	93.4		"	100		93.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*88.2*		"	*100*		*88.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*89.4*		"	*100*		*89.4*	*80-120*			
Matrix Spike (EG41905-MS1)		**Source: 4G14018-28**		Prepared: 07/15/04 Analyzed: 07/16/04						
Benzene	92.6		ug/kg	100	ND	92.6	80-120			
Toluene	93.2		"	100	ND	93.2	80-120			
Ethylbenzene	99.3		"	100	ND	99.3	80-120			
Xylene (p/m)	198		"	200	ND	99.0	80-120			
Xylene (o)	102		"	100	ND	102	80-120			
Surrogate: a,a,a-Trifluorotoluene	*86.2*		"	*100*		*86.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*87.7*		"	*100*		*87.7*	*80-120*			
Matrix Spike Dup (EG41905-MSD1)		**Source: 4G14018-28**		Prepared: 07/15/04 Analyzed: 07/16/04						
Benzene	90.0		ug/kg	100	ND	90.0	80-120	2.85	20	
Toluene	88.0		"	100	ND	88.0	80-120	5.74	20	
Ethylbenzene	88.7		"	100	ND	88.7	80-120	11.3	20	
Xylene (p/m)	177		"	200	ND	88.5	80-120	11.2	20	
Xylene (o)	93.0		"	100	ND	93.0	80-120	9.23	20	
Surrogate: a,a,a-Trifluorotoluene	*83.9*		"	*100*		*83.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*89.8*		"	*100*		*89.8*	*80-120*			
Batch EG42002 - EPA 5030C (GC)										
Blank (EG42002-BLK1)				Prepared & Analyzed: 07/19/04						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*81.0*		*ug/kg*	*100*		*81.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*90.9*		"	*100*		*90.9*	*80-120*			

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Organics by GC - Quality Control
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yte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
h EG42002 - EPA 5030C (GC)										
(EG42002-BS1)				Prepared & Analyzed: 07/19/04						
ne	94.6		ug/kg	100		94.6	80-120			
ne	93.3		"	100		93.3	80-120			
enzene	93.7		"	100		93.7	80-120			
e (p/m)	188		"	200		94.0	80-120			
e (o)	99.0		"	100		99.0	80-120			
ate: a,a,a-Trifluorotoluene	*91.5*		"	*100*		*91.5*	*80-120*			
ate: 4-Bromofluorobenzene	*99.8*		"	*100*		*99.8*	*80-120*			
ration Check (EG42002-CCV1)				Prepared: 07/19/04 Analyzed: 07/20/04						
ne	84.3		ug/kg	100		84.3	80-120			
ne	82.9		"	100		82.9	80-120			
enzene	80.1		"	100		80.1	80-120			
e (p/m)	161		"	200		80.5	80-120			
e (o)	85.4		"	100		85.4	80-120			
ate: a,a,a-Trifluorotoluene	*81.3*		"	*100*		*81.3*	*80-120*			
ate: 4-Bromofluorobenzene	*81.0*		"	*100*		*81.0*	*80-120*			
x Spike (EG42002-MS1)	**Source: 4G19001-04**			Prepared: 07/19/04 Analyzed: 07/20/04						
ne	87.7		ug/kg	100	ND	87.7	80-120			
e	87.3		"	100	ND	87.3	80-120			
enzene	89.5		"	100	ND	89.5	80-120			
(p/m)	181		"	200	ND	90.5	80-120			
(o)	93.4		"	100	ND	93.4	80-120			
ate: a,a,a-Trifluorotoluene	*84.0*		"	*100*		*84.0*	*80-120*			
ate: 4-Bromofluorobenzene	*88.4*		"	*100*		*88.4*	*80-120*			
x Spike Dup (EG42002-MSD1)	**Source: 4G19001-04**			Prepared: 07/19/04 Analyzed: 07/20/04						
ne	94.2		ug/kg	100	ND	94.2	80-120	7.15	20	
e	92.4		"	100	ND	92.4	80-120	5.68	20	
enzene	93.3		"	100	ND	93.3	80-120	4.16	20	
(p/m)	187		"	200	ND	93.5	80-120	3.26	20	
(o)	98.9		"	100	ND	98.9	80-120	5.72	20	
ate: a,a,a-Trifluorotoluene	*87.6*		"	*100*		*87.6*	*80-120*			
ate: 4-Bromofluorobenzene	*96.7*		"	*100*		*96.7*	*80-120*			

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG41618 - General Preparation (Prep)										
Blank (EG41618-BLK1)				Prepared: 07/16/04 Analyzed: 07/19/04						
% Solids	100		%							
Duplicate (EG41618-DUP1)		**Source: 4G14018-01**		Prepared: 07/16/04 Analyzed: 07/19/04						
% Solids	98.0		%		98.0			0.00	20	

Notes and Definitions

6	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
4	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
r	Analyte DETECTED
	Analyte NOT DETECTED at or above the reporting limit
	Not Reported
	Sample results reported on a dry weight basis
)	Relative Percent Difference
	Laboratory Control Spike
	Matrix Spike
	Duplicate

eport Approved By: Roland K Tuttle Date: 7-20-04

land K. Tuttle, QA Officer
ley D. Keene, Lab Director, Org. Tech Director
anne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

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Project Manager: Jimmy Bryant / Pat McCasland
Company Name: Plains All American Pipeline / Environmental Plus, Inc.
Company Address: 2100 Ave O
City/State/Zip: Eunice NM 88231
Telephone No: 505-394-3481
Sampler Signature:

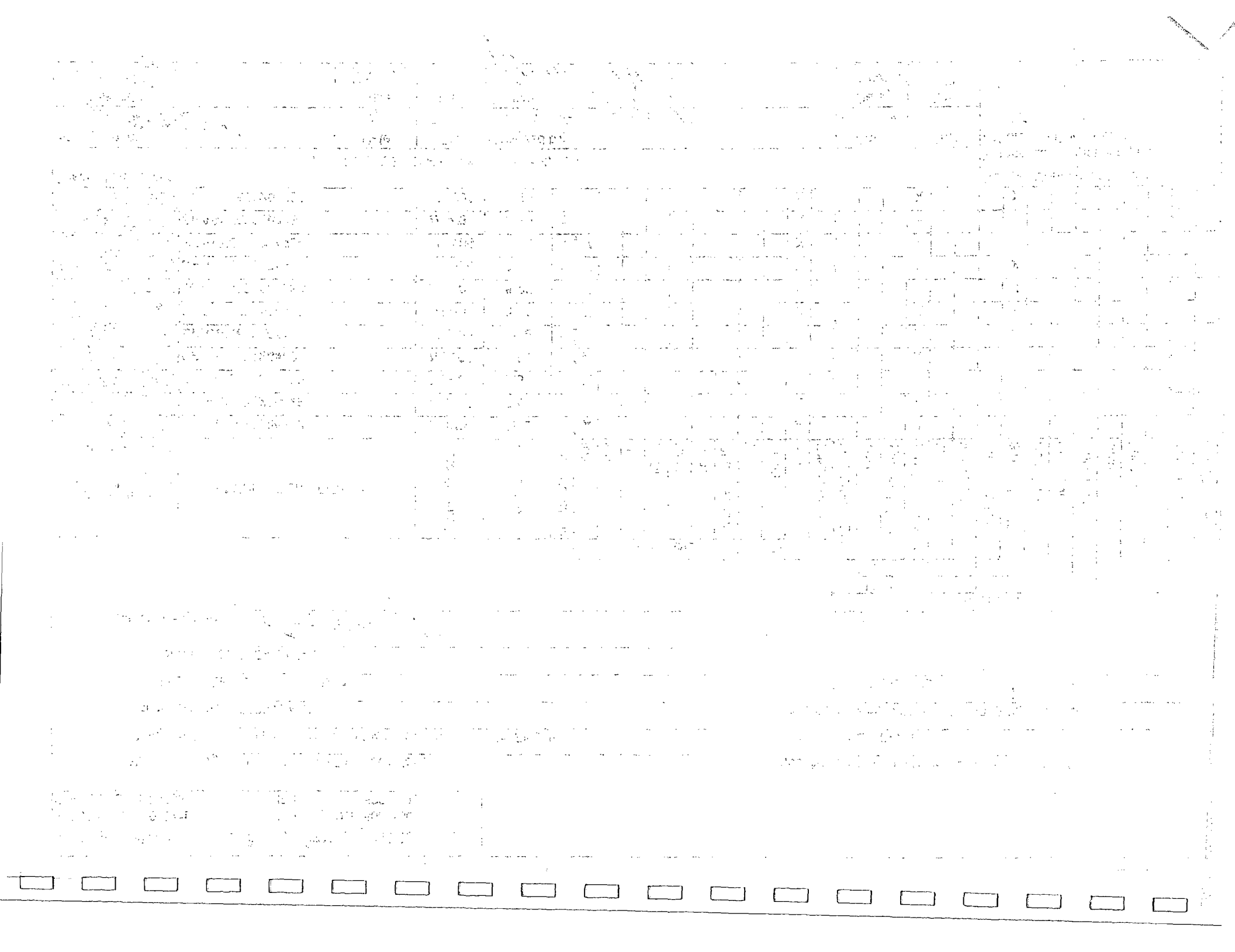
Project Name: Vacuum to Jal 14" Mainline #6
Project #: 2003-00135
Project Loc: Secs 25/36 T23S R37E Lea Co NM
PO#: 2003-00135

LAB ID 46 14018	SAMPLE IDENTIFICATION	Date Sampled	Time Sampled	No. of Containers	Preservative: ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Type: Water	Sludge	Soil	Other (Specify)	Analyze For: TDS/Cl/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals *	Volatiles *	Semivolatiles *	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides	Sulfates	RUSH TAT	Standard TAT
-01	SPAAVJ671204#28	7/12/04	7:40	1	X									X					X				X							
-02	SPAAVJ671204#29	7/12/04	7:45	1	X									X					X				X							
-03	SPAAVJ671204#30	7/12/04	7:51	1	X									X					X				X							
-04	SPAAVJ671204#31	7/12/04	7:54	1	X									X					X				X							
-05	SPAAVJ671204#32	7/12/04	7:58	1	X									X					X				X							
-06	SPAAVJ671204#33	7/12/04	8:12	1	X									X					X				X							
-07	SPAAVJ671204#34	7/12/04	8:25	1	X									X					X				X							
-08	SPAAVJ671204#35	7/12/04	8:52	1	X									X					X				X							
-09	SPAAVJ671204#36	7/12/04	8:54	1	X									X					X				X							
-10	SPAAVJ671204#37	7/12/04	9:10	1	X									X					X				X							
-11	SPAAVJ671204#38	7/12/04	9:25	1	X									X					X				X							

Special Instructions
FAX RESULTS TO Pat McCasland 505.394.3481

Relinquished:	Date	Time	Received by:	Date	Time
	7/14/04	700		7/14/04	
Relinquished:	Date	Time	Received by:	Date	Time
Cody	7/14/04			7/14/04	11:36

Sample Containers Intact? Y N
Temperature Upon Request
Laboratory Comments:
2°C
4 oz Glass



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Odessa Texas 79763 Fax: 915-563-1713

Project Manager: Jimmy Bryant / Pat McCasland
Company Name: Plains All American Pipeline / Environmental Plus, Inc.
Company Address: 2100 Ave O
City/State/Zip: Eunice NM 88231
Telephone No: 505-394-3481
Sampler Signature:

Project Name: Vacuum to Jal 14" Mainline #6
Project #: 2003-00135
Project Loc: Secs 25/36 T23S R37E Lea Co NM
PO#: 2003-00135

LAB ID 40 14018	SAMPLE IDENTIFICATION	Date Sampled	Time Sampled	No. of Containers	Preservative: ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Type: Water	Sludge	Soil	Other (Specify)	Analyze For: TDS/Cl/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals *	Volatiles *	Semivolatiles *	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiabilty	Chlorides	Sulfates		RUSH TAT	Standard TAT
-12	SPAAVJ671204#39	7/12/04	9:30	1	X									X					X				X								
-13	SPAAVJ671204#40	7/12/04	9:34	1	X									X					X				X								
-14	SPAAVJ671204#41	7/12/04	9:40	1	X									X					X				X								
-15	SPAAVJ671204#42	7/12/04	10:00	1	X									X					X				X								
-16	SPAAVJ671204#43	7/12/04	10:05	1	X									X					X				X								
-17	SPAAVJ671204#44	7/12/04	10:12	1	X									X					X				X								
-18	SPAAVJ671304#45	7/13/04	7:15	1	X									X					X				X								
-19	SPAAVJ671304#46	7/13/04	7:18	1	X									X					X				X								
-20	SPAAVJ671304#47	7/13/04	7:21	1	X									X					X				X								
-21	SPAAVJ671304#48	7/13/04	7:23	1	X									X					X				X								
-22	SPAAVJ671304#49	7/13/04	7:25	1	X									X					X				X								

Special Instructions

FAX RESULTS TO Pat McCasland 505.394.3481

Relinquished:	Date	Time	Received by:	Date	Time
			CMcC		
Relinquished:	Date	Time	Received by:	Date	Time
CMcC				7/14/04	11:36

Sample Containers Intact? Y N
Temperature Upon Request
Laboratory Comments:
2°C
4oz Glass

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: Jimmy Bryant / Pat McCasland
Company Name: Plains All American Pipeline / Environmental Plus, Inc.
Company Address: 2100 Ave O
City/State/Zip: Eunice NM 88231
Telephone No: 505-394-3481
Sampler Signature:

Project Name: Vacuum to Jal 14" Mainline #6
Project #: 2003-00135
Project Loc: Secs 25/36 T23S R37E Lea Co NM
PO#: 2003-00135

LAB ID 46402019	SAMPLE IDENTIFICATION	Date Sampled	Time Sampled	No. of Containers	Preservative: ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Type: Water	Sludge	Soil	Other (Specify)	Analyze For: TCLP TDS/Cl/SAR/EC	TCLP TPH 418.1	TCLP TX 1005/1006	TCLP TPH 8015M GRO/DRO	TCLP Metals *	TCLP Volatiles *	TCLP Semivolatiles *	TOTAL BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides	Sulfates	RUSH TAT	Standard TAT
-49	SPAAVJ671304#50	7/13/04	7:30	1	X									X					X				X							
-51	SPAAVJ671304#51	7/13/04	7:36	1	X									X					X				X							
-52	SPAAVJ671304#52	7/13/04	7:50	1	X									X					X				X							
-53	SPAAVJ671304#53	7/13/04	7:59	1	X									X					X				X							
-54	SPAAVJ671304#54	7/13/04	8:18	1	X									X					X				X							
-55	SPAAVJ671304#55	7/13/04	8:20	1	X									X					X				X							
-56	SPAAVJ671304#56	7/13/04	8:24	1	X									X					X				X							
-57	SPAAVJ671304#57	7/13/04	9:02	1	X									X					X				X							
-58	SPAAVJ671304#58	7/13/04	9:07	1	X									X					X				X							
-59	SPAAVJ671304#59	7/13/04	9:11	1	X									X					X				X							
-60	SPAAVJ671304#60	7/13/04	9:15	1	X									X					X				X							

Special Instructions

FAX RESULTS TO Pat McCasland 505.394.3481

Sample Containers Intact? Y N

Temperature Upon Request

Laboratory Comments: 2°C

4oz Glass

Relinquished:	Date	Time	Received by:	Date	Time
Relinquished:	Date	Time	Received by:	Date	Time
				7/14/04	11:36

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

Client: Plains Pipeline

Date/Time: 07-14-04 @ 1215

Order #: 4G14018

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	2 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Vacuum To Jal 14 inch Mainline #6
Project Number: 2003-00135
Location: Secs 25/36 T23S R37E Lea Co., NM

Lab Order Number: 4G16006

Report Date: 07/20/04

Plains All American EH & S	Project: Vacuum To Jal 14 inch Mainline #6	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2003-00135	**Reported:**
Midland TX, 79706-4476	Project Manager: Jimmy Bryant	07/20/04 16:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SPAAVJ671404#6B	4G16006-01	Soil	07/14/04 08:30	07/16/04 10:30
SPAAVJ671404#11B	4G16006-02	Soil	07/14/04 08:45	07/16/04 10:30
SPAAVJ671404#17B	4G16006-03	Soil	07/14/04 08:55	07/16/04 10:30

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC

Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AVJ671404#6B (4G16006-01) Soil									
zene	ND	0.0250	mg/kg dry	25	EG42002	07/19/04	07/19/04	EPA 8021B	
ıene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	0.0671	0.0250	"	"	"	"	"	"	
ne (o)	0.0271	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*81.4 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*90.8 %*	*80-120*		"	"	"	"	
oline Range Organics C6-C12	50.7	10.0	mg/kg dry	1	EG41603	07/16/04	07/16/04	EPA 8015M	
el Range Organics >C12-C35	467	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	518	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*87.6 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*71.8 %*	*70-130*		"	"	"	"	
AVJ671404#11B (4G16006-02) Soil									
ene	ND	0.0250	mg/kg dry	25	EG42002	07/19/04	07/19/04	EPA 8021B	
ene	0.0346	0.0250	"	"	"	"	"	"	
lbenzene	0.0730	0.0250	"	"	"	"	"	"	
ne (p/m)	0.162	0.0250	"	"	"	"	"	"	
ne (o)	0.0585	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*81.1 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*85.3 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	50.0	10.0	mg/kg dry	1	EG41603	07/16/04	07/16/04	EPA 8015M	
l Range Organics >C12-C35	695	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	745	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*87.2 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*71.4 %*	*70-130*		"	"	"	"	
AVJ671404#17B (4G16006-03) Soil									
ene	0.277	0.0250	mg/kg dry	25	EG42002	07/19/04	07/19/04	EPA 8021B	
ene	3.16	0.0250	"	"	"	"	"	"	
lbenzene	4.89	0.0250	"	"	"	"	"	"	
ne (p/m)	9.79	0.0250	"	"	"	"	"	"	
ne (o)	4.01	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*204 %*	*80-120*		"	"	"	"	*S-04*
gate: 4-Bromofluorobenzene		*85.4 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	843	10.0	mg/kg dry	1	EG41603	07/16/04	07/16/04	EPA 8015M	
l Range Organics >C12-C35	2510	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	3350	10.0	"	"	"	"	"	"	

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SPAAVJ671404#17B (4G16006-03) Soil									
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		*EG41603*	*07/16/04*	*07/16/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*89.6 %*	*70-130*		*"*	*"*	*"*	*"*	

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

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
AVJ671404#6B (4G16006-01) Soil									
olids	95.0		%	1	EG41618	07/16/04	07/19/04	% calculation	
AVJ671404#11B (4G16006-02) Soil									
olids	96.0		%	1	EG41618	07/16/04	07/19/04	% calculation	
AVJ671404#17B (4G16006-03) Soil									
olids	93.0		%	1	EG41618	07/16/04	07/19/04	% calculation	

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG41603 - Solvent Extraction (GC)										
Blank (EG41603-BLK1)				Prepared & Analyzed: 07/16/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*43.5*		*mg/kg*	*50.0*		*87.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.3*		*"*	*50.0*		*72.6*	*70-130*			
LCS (EG41603-BS1)				Prepared & Analyzed: 07/16/04						
Gasoline Range Organics C6-C12	424	10.0	mg/kg wet	500		84.8	75-125			
Diesel Range Organics >C12-C35	436	10.0	"	500		87.2	75-125			
Total Hydrocarbon C6-C35	860	10.0	"	1000		86.0	75-125			
Surrogate: 1-Chlorooctane	*44.9*		*mg/kg*	*50.0*		*89.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.3*		*"*	*50.0*		*72.6*	*70-130*			
Calibration Check (EG41603-CCV1)				Prepared & Analyzed: 07/16/04						
Gasoline Range Organics C6-C12	423		mg/kg	500		84.6	80-120			
Diesel Range Organics >C12-C35	453		"	500		90.6	80-120			
Total Hydrocarbon C6-C35	876		"	1000		87.6	80-120			
Surrogate: 1-Chlorooctane	*53.6*		*"*	*50.0*		*107*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.8*		*"*	*50.0*		*73.6*	*70-130*			
Matrix Spike (EG41603-MS1)	**Source: 4G14018-29**			Prepared & Analyzed: 07/16/04						
Gasoline Range Organics C6-C12	454	10.0	mg/kg dry	515	ND	88.2	75-125			
Diesel Range Organics >C12-C35	443	10.0	"	515	ND	86.0	75-125			
Total Hydrocarbon C6-C35	897	10.0	"	1030	ND	87.1	75-125			
Surrogate: 1-Chlorooctane	*50.6*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.5*		*"*	*50.0*		*77.0*	*70-130*			
Matrix Spike Dup (EG41603-MSD1)	**Source: 4G14018-29**			Prepared & Analyzed: 07/16/04						
Gasoline Range Organics C6-C12	437	10.0	mg/kg dry	515	ND	84.9	75-125	3.82	20	
Diesel Range Organics >C12-C35	458	10.0	"	515	ND	88.9	75-125	3.33	20	
Total Hydrocarbon C6-C35	895	10.0	"	1030	ND	86.9	75-125	0.223	20	
Surrogate: 1-Chlorooctane	*51.5*		*mg/kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.4*		*"*	*50.0*		*70.8*	*70-130*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC - Quality Control
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
:h EG42002 - EPA 5030C (GC)										
k (EG42002-BLK1)			Prepared & Analyzed: 07/19/04							
ene	ND	0.0250	mg/kg wet							
ne	ND	0.0250	"							
benzene	ND	0.0250	"							
e (p/m)	ND	0.0250	"							
e (o)	ND	0.0250	"							
gate: a,a,a-Trifluorotoluene	*81.0*		*ug/kg*	*100*		*81.0*	*80-120*			
gate: 4-Bromofluorobenzene	*90.9*		*"*	*100*		*90.9*	*80-120*			
(EG42002-BS1)			Prepared & Analyzed: 07/19/04							
ne	94.6		ug/kg	100		94.6	80-120			
ne	93.3		"	100		93.3	80-120			
benzene	93.7		"	100		93.7	80-120			
e (p/m)	188		"	200		94.0	80-120			
e (o)	99.0		"	100		99.0	80-120			
gate: a,a,a-Trifluorotoluene	*91.5*		*"*	*100*		*91.5*	*80-120*			
gate: 4-Bromofluorobenzene	*99.8*		*"*	*100*		*99.8*	*80-120*			
ration Check (EG42002-CCV1)			Prepared: 07/19/04 Analyzed: 07/20/04							
ne	84.3		ug/kg	100		84.3	80-120			
ne	82.9		"	100		82.9	80-120			
benzene	80.1		"	100		80.1	80-120			
e (p/m)	161		"	200		80.5	80-120			
e (o)	85.4		"	100		85.4	80-120			
gate: a,a,a-Trifluorotoluene	*81.3*		*"*	*100*		*81.3*	*80-120*			
gate: 4-Bromofluorobenzene	*81.0*		*"*	*100*		*81.0*	*80-120*			
ix Spike (EG42002-MS1)	**Source: 4G19001-04**		Prepared: 07/19/04 Analyzed: 07/20/04							
ne	87.7		ug/kg	100	ND	87.7	80-120			
ne	87.3		"	100	ND	87.3	80-120			
benzene	89.5		"	100	ND	89.5	80-120			
e (p/m)	181		"	200	ND	90.5	80-120			
e (o)	93.4		"	100	ND	93.4	80-120			
gate: a,a,a-Trifluorotoluene	*84.0*		*"*	*100*		*84.0*	*80-120*			
gate: 4-Bromofluorobenzene	*88.4*		*"*	*100*		*88.4*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EG42002 - EPA 5030C (GC)										
Matrix Spike Dup (EG42002-MSD1)	**Source: 4G19001-04**			Prepared: 07/19/04 Analyzed: 07/20/04						
Benzene	94.2		ug/kg	100	ND	94.2	80-120	7.15	20	
Toluene	92.4		"	100	ND	92.4	80-120	5.68	20	
Ethylbenzene	93.3		"	100	ND	93.3	80-120	4.16	20	
Xylene (p/m)	187		"	200	ND	93.5	80-120	3.26	20	
Xylene (o)	98.9		"	100	ND	98.9	80-120	5.72	20	
Surrogate: a,a,a-Trifluorotoluene	*87.6*		"	*100*		*87.6*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*96.7*		"	*100*		*96.7*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

yte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
:h EG41618 - General Preparation (Prep)										
k (EG41618-BLK1)				Prepared: 07/16/04 Analyzed: 07/19/04						
ids	100		%							
icate (EG41618-DUP1)	**Source: 4G14018-01**			Prepared: 07/16/04 Analyzed: 07/19/04						
ids	98.0		%		98.0			0.00	20	

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 7-20-04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

Environmental Lab of Texas, Inc.
12600 West I-20 East
Odessa Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: Jimmy Bryant / Pat McCasland
Company Name: Plains All American Pipeline / Environmental Plus, Inc.
Company Address: 2100 Ave O
City/State/Zip: Eunice NM 88231
Telephone No: 505-394-3481
Sampler Signature:

Project Name: Vacuum to Jal 14" Mainline #6
Project #: 2003-00135
Project Loc: Secs 25/36 T23S R37E Lea Co NM
PO#: 2003-00135

4oz glass

LAB ID 46 16004	SAMPLE IDENTIFICATION	Date Sampled	Time Sampled	No. of Containers	Preservative: ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Type: Water	Sludge	Soil	Other (Specify)	Analyze For: TDS/Cl/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals *	Volatiles *	Semivolatiles *	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides	Sulfates		RUSH TAT	Standard TAT
-01	SPAAVJ671404#6B	7/14/04	8:30	1	X									X					X				X								
-02	SPAAVJ671404#11B	7/14/04	8:45	1	X									X					X				X								
-03	SPAAVJ671404#17B	7/14/04	8:55	1	X									X					X				X								

Analyze For: TCLP / TOTAL (X)

Special Instructions
FAX RESULTS TO Pat McCasland 505.394.3481

Sample Containers Intact? Y N
Temperature Upon Request
Laboratory Comments: Rec 1.5°C

Relinquished:	Date	Time	Received by:	Date	Time
	7-15-04	1510		7-16-4	6:30
Relinquished:	Date	Time	Received by:	Date	Time
	7-16-04	10:30		7-16-04	1030

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

Client: Plains Pipeline

Date/Time: 07-16-04 @ 1100

Order #: 4G16006

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	1.5 C
Shipping container/cooler in good condition?	Yes	No	N/A
Custody Seals intact on shipping container/cooler?	Yes	No	~~Not present~~
Custody Seals intact on sample bottles?	Yes	No	~~Not present~~
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

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_____

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Jal 14 in. Mainline #6
Project Number: 2003-00135
Location: None Given

Lab Order Number: 4H04013

Report Date: 08/10/04

Plains All American EH & S	Project: Jal 14 in. Mainline #6	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2003-00135	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	08/10/04 10:54

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
08030459B	4H04013-01	Soil	08/03/04 07:20	08/04/04 15:05
08030446B	4H04013-02	Soil	08/03/04 07:25	08/04/04 15:05
08030441B	4H04013-03	Soil	08/03/04 07:30	08/04/04 15:05
08030455B	4H04013-04	Soil	08/03/04 07:58	08/04/04 15:05
08030457B	4H04013-05	Soil	08/03/04 08:01	08/04/04 15:05
08030458B	4H04013-06	Soil	08/03/04 08:04	08/04/04 15:05
08030428B	4H04013-07	Soil	08/03/04 08:25	08/04/04 15:05
08030417B	4H04013-08	Soil	08/03/04 08:29	08/04/04 15:05

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Organics by GC

Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30459B (4H04013-01) Soil									
zene	ND	0.0250	mg/kg dry	25	EH41007	08/06/04	08/06/04	EPA 8021B	
iene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*86.8 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*81.7 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH40520	08/05/04	08/06/04	EPA 8015M	
el Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*89.0 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*76.6 %*	*70-130*		"	"	"	"	
0446B (4H04013-02) Soil									
zene	ND	0.0250	mg/kg dry	25	EH41007	08/06/04	08/06/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*84.6 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*81.9 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH40520	08/05/04	08/06/04	EPA 8015M	
el Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*82.8 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*73.2 %*	*70-130*		"	"	"	"	
0441B (4H04013-03) Soil									
zene	ND	0.0250	mg/kg dry	25	EH41007	08/06/04	08/06/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*86.0 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*85.2 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH40520	08/05/04	08/06/04	EPA 8015M	
el Range Organics >C12-C35	**15.6**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**15.6**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
08030441B (4H04013-03) Soil									
Surrogate: 1-Chlorooctane		*86.6 %*	*70-130*		*EH40520*	*08/05/04*	*08/06/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*75.4 %*	*70-130*		"	"	"	"	
08030455B (4H04013-04) Soil									
Benzene	**0.0704**	0.0250	mg/kg dry	25	EH41007	08/06/04	08/06/04	EPA 8021B	
Toluene	**1.48**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**2.61**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**5.69**	0.0250	"	"	"	"	"	"	
Xylene (o)	**2.27**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*127 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**359**	10.0	mg/kg dry	1	EH40520	08/05/04	08/06/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1330**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1690**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*120 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*102 %*	*70-130*		"	"	"	"	
08030457B (4H04013-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EH41007	08/06/04	08/06/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*86.0 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH40520	08/05/04	08/06/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*72.4 %*	*70-130*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

alyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
30458B (4H04013-06) Soil									
zene	ND	0.0250	mg/kg dry	25	EH41007	08/06/04	08/09/04	EPA 8021B	
uene	ND	0.0250	"	"	"	"	"	"	
ylbenzene	J [0.0172]	0.0250	"	"	"	"	"	"	J
ene (p/m)	0.0530	0.0250	"	"	"	"	"	"	
ene (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*84.9 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*85.3 %*	*80-120*		"	"	"	"	
oline Range Organics C6-C12	**21.3**	10.0	mg/kg dry	1	EH40520	08/05/04	08/06/04	EPA 8015M	
el Range Organics >C12-C35	**58.8**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**80.1**	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*92.6 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*79.0 %*	*70-130*		"	"	"	"	
30428B (4H04013-07) Soil									
zene	ND	0.0250	mg/kg dry	25	EH41007	08/06/04	08/06/04	EPA 8021B	
ene	0.0739	0.0250	"	"	"	"	"	"	
lbenzene	0.386	0.0250	"	"	"	"	"	"	
ne (p/m)	1.04	0.0250	"	"	"	"	"	"	
ne (o)	0.454	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*80.0 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*88.9 %*	*80-120*		"	"	"	"	
oline Range Organics C6-C12	**95.9**	10.0	mg/kg dry	1	EH40520	08/05/04	08/06/04	EPA 8015M	
el Range Organics >C12-C35	**252**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**348**	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*107 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*92.0 %*	*70-130*		"	"	"	"	
30417B (4H04013-08) Soil									
zene	**0.122**	0.0250	mg/kg dry	25	EH41007	08/06/04	08/06/04	EPA 8021B	
ene	**1.16**	0.0250	"	"	"	"	"	"	
lbenzene	**1.22**	0.0250	"	"	"	"	"	"	
ne (p/m)	**3.50**	0.0250	"	"	"	"	"	"	
ne (o)	**1.40**	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*120 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
oline Range Organics C6-C12	**423**	10.0	mg/kg dry	1	EH40520	08/05/04	08/06/04	EPA 8015M	
el Range Organics >C12-C35	**1190**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**1610**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
08030417B (4H04013-08) Soil									
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		*EH40520*	*08/05/04*	*08/06/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*97.2 %*	*70-130*		*"*	*"*	*"*	*"*	

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

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
0459B (4H04013-01) Soil									
olids	85.0		%	1	EH40901	08/05/04	08/05/04	% calculation	
0446B (4H04013-02) Soil									
olids	96.0		%	1	EH40901	08/05/04	08/05/04	% calculation	
0441B (4H04013-03) Soil									
olids	87.0		%	1	EH40901	08/05/04	08/05/04	% calculation	
0455B (4H04013-04) Soil									
olids	94.0		%	1	EH40901	08/05/04	08/05/04	% calculation	
0457B (4H04013-05) Soil									
olids	96.0		%	1	EH40901	08/05/04	08/05/04	% calculation	
0458B (4H04013-06) Soil									
olids	94.0		%	1	EH40901	08/05/04	08/05/04	% calculation	
0428B (4H04013-07) Soil									
olids	96.0		%	1	EH40901	08/05/04	08/05/04	% calculation	
0417B (4H04013-08) Soil									
olids	91.0		%	1	EH40901	08/05/04	08/05/04	% calculation	

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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH40520 - Solvent Extraction (GC)										
Blank (EH40520-BLK1)				Prepared: 08/05/04 Analyzed: 08/06/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*53.6*		*mg/kg*	*50.0*		*107*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.2*		*"*	*50.0*		*74.4*	*70-130*			
LCS (EH40520-BS1)				Prepared: 08/05/04 Analyzed: 08/06/04						
Gasoline Range Organics C6-C12	461	10.0	mg/kg wet	500		92.2	75-125			
Diesel Range Organics >C12-C35	441	10.0	"	500		88.2	75-125			
Total Hydrocarbon C6-C35	902	10.0	"	1000		90.2	75-125			
Surrogate: 1-Chlorooctane	*60.4*		*mg/kg*	*50.0*		*121*	*70-130*			
Surrogate: 1-Chlorooctadecane	*56.6*		*"*	*50.0*		*113*	*70-130*			
Calibration Check (EH40520-CCV1)				Prepared: 08/05/04 Analyzed: 08/06/04						
Gasoline Range Organics C6-C12	435		mg/kg	500		87.0	80-120			
Diesel Range Organics >C12-C35	438		"	500		87.6	80-120			
Total Hydrocarbon C6-C35	873		"	1000		87.3	80-120			
Surrogate: 1-Chlorooctane	*50.6*		*"*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.9*		*"*	*50.0*		*73.8*	*70-130*			
Matrix Spike (EH40520-MS1)	**Source: 4H04012-03**			Prepared: 08/05/04 Analyzed: 08/06/04						
Gasoline Range Organics C6-C12	514	10.0	mg/kg dry	549	ND	93.6	75-125			
Diesel Range Organics >C12-C35	565	10.0	"	549	ND	103	75-125			
Total Hydrocarbon C6-C35	1080	10.0	"	1100	ND	98.2	75-125			
Surrogate: 1-Chlorooctane	*63.8*		*mg/kg*	*50.0*		*128*	*70-130*			
Surrogate: 1-Chlorooctadecane	*63.9*		*"*	*50.0*		*128*	*70-130*			
Matrix Spike Dup (EH40520-MSD1)	**Source: 4H04012-03**			Prepared: 08/05/04 Analyzed: 08/06/04						
Gasoline Range Organics C6-C12	508	10.0	mg/kg dry	549	ND	92.5	75-125	1.17	20	
Diesel Range Organics >C12-C35	482	10.0	"	549	ND	87.8	75-125	15.9	20	
Total Hydrocarbon C6-C35	990	10.0	"	1100	ND	90.0	75-125	8.70	20	
Surrogate: 1-Chlorooctane	*64.4*		*mg/kg*	*50.0*		*129*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.6*		*"*	*50.0*		*121*	*70-130*			

Organics by GC - Quality Control

Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EH41007 - EPA 5030C (GC)										
ık (EH41007-BLK1)			Prepared & Analyzed: 08/06/04							
ene	ND	0.0250	mg/kg wet							
ene	ND	0.0250	"							
lbenzene	ND	0.0250	"							
ne (p/m)	ND	0.0250	"							
ne (o)	ND	0.0250	"							
ogate: a,a,a-Trifluorotoluene	*81.2*		*ug/kg*	*100*		*81.2*	*80-120*			
ogate: 4-Bromofluorobenzene	*86.5*		*"*	*100*		*86.5*	*80-120*			
; (EH41007-BS1)			Prepared & Analyzed: 08/06/04							
ene	95.0		ug/kg	100		95.0	80-120			
ene	94.1		"	100		94.1	80-120			
lbenzene	91.7		"	100		91.7	80-120			
ne (p/m)	199		"	200		99.5	80-120			
ne (o)	101		"	100		101	80-120			
ogate: a,a,a-Trifluorotoluene	*94.4*		*"*	*100*		*94.4*	*80-120*			
ogate: 4-Bromofluorobenzene	*90.6*		*"*	*100*		*90.6*	*80-120*			
bration Check (EH41007-CCV1)			Prepared: 08/06/04 Analyzed: 08/09/04							
ene	98.7		ug/kg	100		98.7	80-120			
ene	96.9		"	100		96.9	80-120			
lbenzene	97.9		"	100		97.9	80-120			
ne (p/m)	206		"	200		103	80-120			
ne (o)	108		"	100		108	80-120			
ogate: a,a,a-Trifluorotoluene	*101*		*"*	*100*		*101*	*80-120*			
ogate: 4-Bromofluorobenzene	*98.9*		*"*	*100*		*98.9*	*80-120*			
rix Spike (EH41007-MS1)	**Source: 4H04013-06**		Prepared: 08/06/04 Analyzed: 08/09/04							
ene	2330		ug/kg	2500	ND	93.2	80-120			
ene	2360		"	2500	ND	94.4	80-120			
lbenzene	2480		"	2500	16.2	98.6	80-120			
ne (p/m)	5300		"	5000	49.8	105	80-120			
ne (o)	2700		"	2500	ND	108	80-120			
ogate: a,a,a-Trifluorotoluene	*91.4*		*"*	*100*		*91.4*	*80-120*			
ogate: 4-Bromofluorobenzene	*101*		*"*	*100*		*101*	*80-120*			

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH41007 - EPA 5030C (GC)										
Matrix Spike Dup (EH41007-MSD1)	**Source: 4H04013-06**			Prepared: 08/06/04 Analyzed: 08/09/04						
Benzene	2370		ug/kg	2500	ND	94.8	80-120	1.70	20	
Toluene	2400		"	2500	ND	96.0	80-120	1.68	20	
Ethylbenzene	2510		"	2500	16.2	99.8	80-120	1.21	20	
Xylene (p/m)	5360		"	5000	49.8	106	80-120	0.948	20	
Xylene (o)	2740		"	2500	ND	110	80-120	1.83	20	
Surrogate: a,a,a-Trifluorotoluene	*92.1*		"	*100*		*92.1*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*105*		"	*100*		*105*	*80-120*			

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

lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EH40901 - General Preparation (Prep)										
ık (EH40901-BLK1)				Prepared & Analyzed: 08/05/04						
lids	100		%							
licate (EH40901-DUP1)		**Source: 4H04012-01**		Prepared & Analyzed: 08/05/04						
lids	95.0		%		95.0			0.00	20	

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K. Tuttle Date: 8-10-04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

12600 West I-20 East
Odessa Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: Jeff Dann

Company Name: Link Energy / Plains Marketing

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature: Mike Brawley

Project Name: Jal 14" Mainline # 6

Project #: 2003-00135

Project Loc:

PO#:

as per Pat McCasland

HM0403		Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH8015MGRODRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030 (TOTAL)	Reactivity	Corrosivity	Ignitiability	Chlorides			RUSH TAT	Standard TAT
-01	08030459B	08/03/2004	7:20	1	X									X					X				X								
-02	08030446B	08/03/2004	7:25	1	X									X					X				X								
-03	08030441B	08/03/2004	7:30	1	X									X					X				X								
-04	08030455B	08/03/2004	7:58	1	X									X					X				X								
-05	08030457B	08/03/2004	8:01	1	X									X					X				X								
-06	08030458B	08/03/2004	8:04	1	X									X					X				X								
-07	08030428B	08/03/2004	8:25	1	X									X					X				X								
-08	08030417B	08/03/2004	8:29	1	X									X					X				X								

Special Instructions

FAX RESULTS TO PAT McCASLAND ASAP

Relinquished:	Date	Time	Received by:	Date	Time
Mike O Brawley	8-4	7:00		8-4	9:00
Relinquished:	Date	Time	Received by:	Date	Time
	8-4	2:05 NM		8-4-04	1505 TX

Sample Containers In Y N

Temperature Upon Request

Laboratory Comments:

Rec 1.5°C

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

Client: Plains P/L

Date/Time: 08-04-04 @ 1615

Order #: 4H04013

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	11.5 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)
Custody Seals intact on sample bottles?	Yes	No	(Not present)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	Yes	(No)	client called and told us to analyze BTEX 8021B + TPH 8015
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

12600 West I-20 East
Odessa Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: Jeff Dann
Company Name: Link Energy / Plains Marketing
Company Address:
City/State/Zip:
Telephone No:
Sampler Signature:

Project Name: Jal 14" Mainline # 6
Project #: 2003-00135
Project Loc:
PO#:

	Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TDS/CL/SAR/EC	TCLP TOTAL: TPH 418.1	TPH TX 1005/1006	TPH8015MGRODRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides			RUSH TAT	Standard TAT
08030459B	08/03/2004	7:20	1	X									X																	
08030446B	08/03/2004	7:25	1	X									X																	
08030441B	08/03/2004	7:30	1	X									X																	
08030455B	08/03/2004	7:58	1	X									X																	
08030457B	08/03/2004	8:01	1	X									X																	
08030458B	08/03/2004	8:04	1	X									X																	
08030428B	08/03/2004	8:25	1	X									X																	
08030417B	08/03/2004	8:29	1	X									X																	

Special Instructions

FAX RESULTS TO PAT McCASLAND ASAP

Relinquished:	Date	Time	Received by:	Date	Time
Michael Brown Cy	8-4	7:00		8-4	9:00
Relinquished:	Date	Time	Received by:	Date	Time
Brad Hall	8-4	2:05	Kala Jones	8-4-04	1505

Sample Containers In Y N
Temperature Upon Request
Laboratory Comments:
Rec 1.5°C

COPY

Environmental Lab of Texas, Inc.

12600 West I-20 East Phone: 915-563-1800
Odessa Texas 79763 Fax: 915-563-1713

Project Manager: Jeff Dann

Company Name: Link Energy / Plains Marketing

Company Address:

City/State/Zip:

Telephone No:

Sampler Signature:

Project Name: Jal 14" Mainline # 6

Project #: 2003-00135

Project Loc:

PO#:

		Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCI	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TCLP / TOTAL: TDS/CL/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH8015MGRODRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030	Reactivity	Corrosivity	Igmitiabilty	Chlorides			RUSH TAT	Standard TAT
	08030459B	08/03/2004	7:20	1	X									X																	
	08030446B	08/03/2004	7:25	1	X									X																	
	08030441B	08/03/2004	7:30	1	X									X																	
	08030455B	08/03/2004	7:58	1	X									X																	
	08030457B	08/03/2004	8:01	1	X									X																	
	08030458B	08/03/2004	8:04	1	X									X																	
	08030428B	08/03/2004	8:25	1	X									X																	
	08030417B	08/03/2004	8:29	1	X									X																	

Special Instructions

FAX RESULTS TO PAT McCASLAND ASAP

Relinquished:	Date	Time	Received by:	Date	Time
Relinquished:	Date	Time	Received by:	Date	Time

Sample Containers In Y N

Temperature Upon Request

Laboratory Comments:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Jal 14 in. Mainline #6
Project Number: 2003-00135
Location: None Given

Lab Order Number: 4H12005

Report Date: 08/18/04

Plains All American EH & S	Project: Jal 14 in. Mainline #6	Fax: (432) 687-4914
1301 S. County Road 1150	Project Number: 2003-00135	**Reported:**
Midland TX, 79706-4476	Project Manager: Jeff Dann	08/18/04 08:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SL14M8100428C	4H12005-01	Soil	08/10/04 07:19	08/12/04 10:30
SL14M8100455C	4H12005-02	Soil	08/10/04 07:26	08/12/04 10:30
SL14M810046D	4H12005-03	Soil	08/10/04 08:16	08/12/04 10:30
SL14M8100411D	4H12005-04	Soil	08/10/04 08:20	08/12/04 10:30
SL14M8100417D	4H12005-05	Soil	08/10/04 08:25	08/12/04 10:30

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Organics by GC
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4M8100428C (4H12005-01) Soil									
zene	ND	0.0250	mg/kg dry	25	EH41605	08/12/04	08/13/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*88.9 %*	*80-120*		"	"	"	"	
ogate: 4-Bromofluorobenzene		*89.5 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH41207	08/12/04	08/12/04	EPA 8015M	
el Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*123 %*	*70-130*		"	"	*08/12/04*	"	
gate: 1-Chlorooctadecane		*126 %*	*70-130*		"	"	"	"	
M8100455C (4H12005-02) Soil									
ene	ND	0.0250	mg/kg dry	25	EH41605	08/12/04	08/15/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*80.6 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*89.0 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH41207	08/12/04	08/12/04	EPA 8015M	
l Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*117 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
M810046D (4H12005-03) Soil									
ene	ND	0.0250	mg/kg dry	25	EH41605	08/12/04	08/13/04	EPA 8021B	
ene	ND	0.0250	"	"	"	"	"	"	
lbenzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*84.1 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*88.8 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	**61.7**	10.0	mg/kg dry	1	EH41207	08/12/04	08/12/04	EPA 8015M	
l Range Organics >C12-C35	**428**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**490**	10.0	"	"	"	"	"	"	

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Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SL14M810046D (4H12005-03) Soil									
Surrogate: 1-Chlorooctane		*115 %*	*70-130*		*EH41207*	*08/12/04*	*08/12/04*	*EPA 8015M*	
Surrogate: 1-Chlorooctadecane		*128 %*	*70-130*		"	"	"	"	
SL14M8100411D (4H12005-04) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EH41605	08/12/04	08/13/04	EPA 8021B	
Toluene	**0.179**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.238**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.640**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.173**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**63.8**	10.0	mg/kg dry	1	EH41207	08/12/04	08/12/04	EPA 8015M	
Diesel Range Organics >C12-C35	**442**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**506**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*115 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*128 %*	*70-130*		"	"	"	"	
SL14M8100417D (4H12005-05) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EH41605	08/12/04	08/15/04	EPA 8021B	
Toluene	**0.110**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.191**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.431**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.157**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.7 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**78.9**	10.0	mg/kg dry	1	EH41207	08/12/04	08/12/04	EPA 8015M	
Diesel Range Organics >C12-C35	**859**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**938**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*120 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*126 %*	*70-130*		"	"	"	"	

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

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4M8100428C (4H12005-01) Soil									
olids	95.0		%	1	EH41301	08/12/04	08/12/04	% calculation	
4M8100455C (4H12005-02) Soil									
olids	93.0		%	1	EH41301	08/12/04	08/12/04	% calculation	
4M810046D (4H12005-03) Soil									
olids	92.0		%	1	EH41301	08/12/04	08/12/04	% calculation	
4M8100411D (4H12005-04) Soil									
olids	89.0		%	1	EH41301	08/12/04	08/12/04	% calculation	
4M8100417D (4H12005-05) Soil									
olids	96.0		%	1	EH41301	08/12/04	08/12/04	% calculation	

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Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH41207 - Solvent Extraction (GC)										
Blank (EH41207-BLK1)				Prepared & Analyzed: 08/12/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*43.9*		*mg/kg*	*50.0*		*87.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.5*		*"*	*50.0*		*89.0*	*70-130*			
Blank (EH41207-BLK2)				Prepared & Analyzed: 08/12/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*43.3*		*mg/kg*	*50.0*		*86.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.7*		*"*	*50.0*		*89.4*	*70-130*			
LCS (EH41207-BS1)				Prepared & Analyzed: 08/12/04						
Gasoline Range Organics C6-C12	440	10.0	mg/kg wet	500		88.0	75-125			
Diesel Range Organics >C12-C35	484	10.0	"	500		96.8	75-125			
Total Hydrocarbon C6-C35	924	10.0	"	1000		92.4	75-125			
Surrogate: 1-Chlorooctane	*50.4*		*mg/kg*	*50.0*		*101*	*70-130*			
Surrogate: 1-Chlorooctadecane	*43.4*		*"*	*50.0*		*86.8*	*70-130*			
LCS (EH41207-BS2)				Prepared & Analyzed: 08/12/04						
Gasoline Range Organics C6-C12	414	10.0	mg/kg wet	500		82.8	75-125			
Diesel Range Organics >C12-C35	410	10.0	"	500		82.0	75-125			
Total Hydrocarbon C6-C35	824	10.0	"	1000		82.4	75-125			
Surrogate: 1-Chlorooctane	*36.3*		*mg/kg*	*50.0*		*72.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.4*		*"*	*50.0*		*78.8*	*70-130*			
Calibration Check (EH41207-CCV1)				Prepared & Analyzed: 08/12/04						
Gasoline Range Organics C6-C12	442		mg/kg	500		88.4	80-120			
Diesel Range Organics >C12-C35	496		"	500		99.2	80-120			
Total Hydrocarbon C6-C35	938		"	1000		93.8	80-120			
Surrogate: 1-Chlorooctane	*49.5*		*"*	*50.0*		*99.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.4*		*"*	*50.0*		*80.8*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EH41207 - Solvent Extraction (GC)										
bration Check (EH41207-CCV2)				Prepared & Analyzed: 08/12/04						
line Range Organics C6-C12	465		mg/kg	500		93.0	80-120			
l Range Organics >C12-C35	513		"	500		103	80-120			
Hydrocarbon C6-C35	978		"	1000		97.8	80-120			
gate: 1-Chlorooctane	*51.9*		*"*	*50.0*		*104*	*70-130*			
gate: 1-Chlorooctadecane	*44.5*		*"*	*50.0*		*89.0*	*70-130*			
rix Spike (EH41207-MS1)	**Source: 4H12002-04**			Prepared & Analyzed: 08/12/04						
line Range Organics C6-C12	518	10.0	mg/kg dry	526	ND	98.5	75-125			
l Range Organics >C12-C35	684	10.0	"	526	65.9	118	75-125			
Hydrocarbon C6-C35	1200	10.0	"	1050	65.9	108	75-125			
gate: 1-Chlorooctane	*56.9*		*mg/kg*	*50.0*		*114*	*70-130*			
gate: 1-Chlorooctadecane	*59.2*		*"*	*50.0*		*118*	*70-130*			
rix Spike (EH41207-MS2)	**Source: 4H12008-07**			Prepared: 08/12/04 Analyzed: 08/13/04						
line Range Organics C6-C12	587	10.0	mg/kg dry	575	ND	102	75-125			
l Range Organics >C12-C35	643	10.0	"	575	ND	112	75-125			
Hydrocarbon C6-C35	1230	10.0	"	1150	ND	107	75-125			
gate: 1-Chlorooctane	*56.8*		*mg/kg*	*50.0*		*114*	*70-130*			
gate: 1-Chlorooctadecane	*51.7*		*"*	*50.0*		*103*	*70-130*			
rix Spike Dup (EH41207-MSD1)	**Source: 4H12002-04**			Prepared & Analyzed: 08/12/04						
line Range Organics C6-C12	541	10.0	mg/kg dry	526	ND	103	75-125	4.34	20	
l Range Organics >C12-C35	667	10.0	"	526	65.9	114	75-125	2.52	20	
Hydrocarbon C6-C35	1210	10.0	"	1050	65.9	109	75-125	0.830	20	
gate: 1-Chlorooctane	*61.2*		*mg/kg*	*50.0*		*122*	*70-130*			
gate: 1-Chlorooctadecane	*57.9*		*"*	*50.0*		*116*	*70-130*			
rix Spike Dup (EH41207-MSD2)	**Source: 4H12008-07**			Prepared: 08/12/04 Analyzed: 08/13/04						
line Range Organics C6-C12	583	10.0	mg/kg dry	575	ND	101	75-125	0.684	20	
l Range Organics >C12-C35	630	10.0	"	575	ND	110	75-125	2.04	20	
Hydrocarbon C6-C35	1210	10.0	"	1150	ND	105	75-125	1.64	20	
gate: 1-Chlorooctane	*56.3*		*mg/kg*	*50.0*		*113*	*70-130*			
gate: 1-Chlorooctadecane	*53.7*		*"*	*50.0*		*107*	*70-130*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH41605 - EPA 5030C (GC)										
Blank (EH41605-BLK1)			Prepared & Analyzed: 08/12/04							
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*86.4*		*ug/kg*	*100*		*86.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*81.3*		"	*100*		*81.3*	*80-120*			
LCS (EH41605-BS1)			Prepared: 08/12/04 Analyzed: 08/13/04							
Benzene	93.2		ug/kg	100		93.2	80-120			
Toluene	98.9		"	100		98.9	80-120			
Ethylbenzene	103		"	100		103	80-120			
Xylene (p/m)	217		"	200		108	80-120			
Xylene (o)	111		"	100		111	80-120			
Surrogate: a,a,a-Trifluorotoluene	*97.0*		"	*100*		*97.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*98.5*		"	*100*		*98.5*	*80-120*			
Calibration Check (EH41605-CCV1)			Prepared: 08/12/04 Analyzed: 08/14/04							
Benzene	93.5		ug/kg	100		93.5	80-120			
Toluene	97.9		"	100		97.9	80-120			
Ethylbenzene	98.3		"	100		98.3	80-120			
Xylene (p/m)	212		"	200		106	80-120			
Xylene (o)	109		"	100		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	*96.7*		"	*100*		*96.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*94.8*		"	*100*		*94.8*	*80-120*			
Matrix Spike (EH41605-MS1)	**Source: 4H12002-03**		Prepared: 08/12/04 Analyzed: 08/15/04							
Benzene	97.9		ug/kg	100	ND	97.9	80-120			
Toluene	95.0		"	100	ND	95.0	80-120			
Ethylbenzene	96.7		"	100	ND	96.7	80-120			
Xylene (p/m)	206		"	200	ND	103	80-120			
Xylene (o)	103		"	100	ND	103	80-120			
Surrogate: a,a,a-Trifluorotoluene	*88.2*		"	*100*		*88.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*87.0*		"	*100*		*87.0*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

ılyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EH41605 - EPA 5030C (GC)										
trix Spike Dup (EH41605-MSD1)	**Source: 4H12002-03**			Prepared: 08/12/04 Analyzed: 08/15/04						
ɜene	98.4		ug/kg	100	ND	98.4	80-120	0.509	20	
ene	96.0		"	100	ND	96.0	80-120	1.05	20	
lbenzene	97.6		"	100	ND	97.6	80-120	0.926	20	
ne (p/m)	209		"	200	ND	104	80-120	0.966	20	
ne (o)	105		"	100	ND	105	80-120	1.92	20	
ɔgate: a,a,a-Trifluorotoluene	*91.0*		"	*100*		*91.0*	*80-120*			
ɔgate: 4-Bromofluorobenzene	*91.0*		"	*100*		*91.0*	*80-120*			

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General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH41301 - General Preparation (Prep)										
Blank (EH41301-BLK1)				Prepared & Analyzed: 08/12/04						
% Solids	100		%							
Duplicate (EH41301-DUP1)		**Source: 4H12001-01**		Prepared & Analyzed: 08/12/04						
% Solids	87.0		%		86.0			1.16	20	

Notes and Definitions

T	Analyte DETECTED
)	Analyte NOT DETECTED at or above the reporting limit
	Not Reported
	Sample results reported on a dry weight basis
D	Relative Percent Difference
S	Laboratory Control Spike
	Matrix Spike
)	Duplicate

eport Approved By: Raland K Tuttle Date: 8-18-04

aland K. Tuttle, QA Officer
eley D. Keene, Lab Director, Org. Tech Director
anne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

Environmental Lab of Texas, Inc.
12600 West I-20 East Phone: 915-563-1800
Odessa Texas 79763 Fax: 915-563-1713

Project Manager: Jeff Dann
Company Name: Link Energy / Plains Marketing
Company Address:
City/State/Zip:
Telephone No:
Sampler Signature: Mike O Brawley

Project Name: Jal 14" Mainline # 6
Project #: 2003-00135
Project Loc:
PO#:

4H2005

		Date Sampled	Time Sampled	No. of Containers	ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Water	Sludge	Soil	Other (Specify)	Analyze For: TDS/CL/SAR/EC	TCLP/TOTAL: TPH 418.1	TPH TX 1005/1006	TPH8015MGRODRO	Metals	Volatiles	Semivolatiles	BTEX 8021B/5030 X	Reactivity	Corrosivity	Ignitiability	Chlorides			RUSH TAT	Standard TAT
-01	SL14M8100428C	08/10/2004	7:19	1	X									X					X				X								
-02	SL14M8100455C	08/10/2004	7:26	1	X									X					X				X								
-03	SL14M810046D	08/10/2004	8:16	1	X									X					X				X								
-04	SL14M8100411D	08/10/2004	8:20	1	X									X					X				X								
-05	SL14M8100417C	08/10/2004	8:25	1	X									X					X				X								

Special Instructions

FAX RESULTS TO PAT McCASLAND ASAP

Relinquished:	Date	Time	Received by:	Date	Time
Mike O Brawley	8-11	0700	Brad Hall	8-12	7:00
Brad Hall	8-12	1030	Jeanne McMurry	8-12-04	1030

Sample Containers In Y N
Temperature Upon Request
Laboratory Comments:
1.5°C

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

Client: Plains P/L

Date/Time: 08-12-04 @ 1100

Order #: 4H12005

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	1.5 C
Shipping container/cooler in good condition?	(Yes)	No	
Custody Seals intact on shipping container/cooler?	Yes	No	(~~Not present~~)
Custody Seals intact on sample bottles?	Yes	No	(~~Not present~~)
Chain of custody present?	(Yes)	No	
Sample Instructions complete on Chain of Custody?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Vacuum To Jal 14 inch Mainline #6
Project Number: 2003-00135
Location: Section 25 & 36 T23S R37E

Lab Order Number: 4H24004

Report Date: 08/26/04

ains All American EH & S
01 S. County Road 1150
idland TX, 79706-4476

Project: Vacuum To Jal 14 inch Mainline #6
Project Number: 2003-00135
Project Manager: Jeff Dann

Fax: (432) 687-4914

Reported:
08/26/04 17:21

ANALYTICAL REPORT FOR SAMPLES

mple ID	Laboratory ID	Matrix	Date Sampled	Date Received
'682004#17E-12'	4H24004-01	Soil	08/20/04 08:00	08/24/04 12:55
'682004#17E-13'	4H24004-02	Soil	08/20/04 08:10	08/24/04 12:55
'682004#17E-14'	4H24004-03	Soil	08/20/04 08:15	08/24/04 12:55
'682004#17E-15'	4H24004-04	Soil	08/20/04 08:20	08/24/04 12:55
'682004#17E-16'	4H24004-05	Soil	08/20/04 08:25	08/24/04 12:55
'682004#17E-17'	4H24004-06	Soil	08/20/04 08:30	08/24/04 12:55
'682004#17E-18'	4H24004-07	Soil	08/20/04 08:50	08/24/04 12:55
'682004#17E-19'	4H24004-08	Soil	08/20/04 08:57	08/24/04 12:55
682004#17E-20'	4H24004-09	Soil	08/20/04 09:05	08/24/04 12:55
682004#11E-12'	4H24004-10	Soil	08/20/04 09:30	08/24/04 12:55
682004#6E-2'	4H24004-23	Soil	08/20/04 13:40	08/24/04 12:55

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PV682004#17E-12' (4H24004-01) Soil									
Benzene	**16.7**	0.0500	mg/kg dry	50	EH42606	08/24/04	08/24/04	EPA 8021B	
Toluene	**45.4**	0.0500	"	"	"	"	"	"	
Ethylbenzene	**36.4**	0.0500	"	"	"	"	"	"	
Xylene (p/m)	**47.3**	0.0500	"	"	"	"	"	"	
Xylene (o)	**21.0**	0.0500	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*1600 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**2510**	10.0	mg/kg dry	1	EH42405	08/24/04	08/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	**2800**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**5310**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*108 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*127 %*	*70-130*		"	"	"	"	
PV682004#17E-13' (4H24004-02) Soil									
Benzene	**1.73**	0.0250	mg/kg dry	25	EH42606	08/24/04	08/24/04	EPA 8021B	
Toluene	**8.68**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**6.38**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**12.7**	0.0250	"	"	"	"	"	"	
Xylene (o)	**5.11**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*678 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*100 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**420**	10.0	mg/kg dry	1	EH42405	08/24/04	08/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	**521**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**941**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*111 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*100 %*	*70-130*		"	"	"	"	
PV682004#17E-14' (4H24004-03) Soil									
Benzene	**1.31**	0.0250	mg/kg dry	25	EH42606	08/24/04	08/24/04	EPA 8021B	
Toluene	**7.94**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**6.00**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**11.5**	0.0250	"	"	"	"	"	"	
Xylene (o)	**4.49**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*541 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*98.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**560**	10.0	mg/kg dry	1	EH42405	08/24/04	08/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	**992**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1550**	10.0	"	"	"	"	"	"	

Organics by GC

Environmental Lab of Texas

alyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
682004#17E-14' (4H24004-03) Soil									
rogate: 1-Chlorooctane		*116 %*	*70-130*		*EH42405*	*08/24/04*	*08/24/04*	*EPA 8015M*	
rogate: 1-Chlorooctadecane		*107 %*	*70-130*		"	"	"	"	
582004#17E-15' (4H24004-04) Soil									
zene	**0.310**	0.0250	mg/kg dry	25	EH42606	08/24/04	08/24/04	EPA 8021B	
ıene	**3.48**	0.0250	"	"	"	"	"	"	
ylbenzene	**3.51**	0.0250	"	"	"	"	"	"	
ene (p/m)	**7.75**	0.0250	"	"	"	"	"	"	
ene (o)	**2.87**	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*145 %*	*80-120*		"	"	"	"	*S-04*
ogate: 4-Bromofluorobenzene		*96.3 %*	*80-120*		"	"	"	"	
oline Range Organics C6-C12	**507**	10.0	mg/kg dry	1	EH42405	08/24/04	08/24/04	EPA 8015M	
el Range Organics >C12-C35	**973**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**1480**	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*113 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*115 %*	*70-130*		"	"	"	"	
82004#17E-16' (4H24004-05) Soil									
zene	**0.106**	0.0250	mg/kg dry	25	EH42606	08/24/04	08/24/04	EPA 8021B	
ıene	**0.851**	0.0250	"	"	"	"	"	"	
/lbenzene	**0.774**	0.0250	"	"	"	"	"	"	
ne (p/m)	**2.17**	0.0250	"	"	"	"	"	"	
ne (o)	**0.747**	0.0250	"	"	"	"	"	"	
ogate: a,a,a-Trifluorotoluene		*131 %*	*80-120*		"	"	"	"	*S-04*
ogate: 4-Bromofluorobenzene		*101 %*	*80-120*		"	"	"	"	
oline Range Organics C6-C12	**153**	10.0	mg/kg dry	1	EH42405	08/24/04	08/24/04	EPA 8015M	
el Range Organics >C12-C35	**297**	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	**450**	10.0	"	"	"	"	"	"	
ogate: 1-Chlorooctane		*105 %*	*70-130*		"	"	"	"	
ogate: 1-Chlorooctadecane		*90.8 %*	*70-130*		"	"	"	"	

Organics by GC

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PV682004#17E-17' (4H24004-06) Soil									
Benzene	**0.0145**	0.0250	mg/kg dry	25	EH42606	08/24/04	08/24/04	EPA 8021B	J
Toluene	**0.231**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.379**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**1.08**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.378**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.2 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**146**	10.0	mg/kg dry	1	EH42405	08/24/04	08/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	**395**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**541**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*113 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*103 %*	*70-130*		"	"	"	"	
PV682004#17E-18' (4H24004-07) Soil									
Benzene	**0.0403**	0.0250	mg/kg dry	25	EH42606	08/24/04	08/24/04	EPA 8021B	
Toluene	**0.206**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.214**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.637**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.186**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*108 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.4 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**67.2**	10.0	mg/kg dry	1	EH42405	08/24/04	08/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	**149**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**216**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*104 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*90.8 %*	*70-130*		"	"	"	"	
PV682004#17E-19' (4H24004-08) Soil									
Benzene	**0.0744**	0.0250	mg/kg dry	25	EH42606	08/24/04	08/25/04	EPA 8021B	
Toluene	**0.861**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**1.15**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**2.76**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.959**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*136 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*104 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**193**	10.0	mg/kg dry	1	EH42405	08/25/04	08/25/04	EPA 8015M	
Diesel Range Organics >C12-C35	**379**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**572**	10.0	"	"	"	"	"	"	

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Organics by GC
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
82004#17E-19' (4H24004-08) Soil									
ogate: 1-Chlorooctane		*117 %*	*70-130*		*EH42405*	*08/25/04*	*08/25/04*	*EPA 8015M*	
ogate: 1-Chlorooctadecane		*88.4 %*	*70-130*		"	"	"	"	
82004#17E-20' (4H24004-09) Soil									
ene	ND	0.0250	mg/kg dry	25	EH42606	08/24/04	08/25/04	EPA 8021B	
ene	0.0313	0.0250	"	"	"	"	"	"	
lbenzene	0.120	0.0250	"	"	"	"	"	"	
ne (p/m)	0.324	0.0250	"	"	"	"	"	"	
ne (o)	0.100	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*88.1 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*83.8 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	70.9	10.0	mg/kg dry	1	EH42405	08/25/04	08/25/04	EPA 8015M	
l Range Organics >C12-C35	185	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	256	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*120 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*95.6 %*	*70-130*		"	"	"	"	
2004#11E-12' (4H24004-10) Soil									
ene	ND	0.0250	mg/kg dry	25	EH42606	08/24/04	08/25/04	EPA 8021B	
ne	ND	0.0250	"	"	"	"	"	"	
benzene	ND	0.0250	"	"	"	"	"	"	
ne (p/m)	ND	0.0250	"	"	"	"	"	"	
ne (o)	ND	0.0250	"	"	"	"	"	"	
gate: a,a,a-Trifluorotoluene		*95.9 %*	*80-120*		"	"	"	"	
gate: 4-Bromofluorobenzene		*87.5 %*	*80-120*		"	"	"	"	
line Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH42405	08/24/04	08/24/04	EPA 8015M	
l Range Organics >C12-C35	16.5	10.0	"	"	"	"	"	"	
l Hydrocarbon C6-C35	16.5	10.0	"	"	"	"	"	"	
gate: 1-Chlorooctane		*97.8 %*	*70-130*		"	"	"	"	
gate: 1-Chlorooctadecane		*77.2 %*	*70-130*		"	"	"	"	

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Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PV682004#6E-2' (4H24004-23) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EH42606	08/24/04	08/25/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	"	"	
Ethylbenzene	ND	0.0250	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0250	"	"	"	"	"	"	
Xylene (o)	ND	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.3 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EH42405	08/24/04	08/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*106 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.8 %*	*70-130*		"	"	"	"	

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

lyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
82004#17E-12' (4H24004-01) Soil									
olids	89.0		%	1	EH42506	08/24/04	08/24/04	% calculation	
82004#17E-13' (4H24004-02) Soil									
olids	90.0		%	1	EH42506	08/24/04	08/24/04	% calculation	
32004#17E-14' (4H24004-03) Soil									
olids	91.0		%	1	EH42506	08/24/04	08/24/04	% calculation	
32004#17E-15' (4H24004-04) Soil									
olids	93.0		%	1	EH42506	08/24/04	08/24/04	% calculation	
32004#17E-16' (4H24004-05) Soil									
olids	93.0		%	1	EH42506	08/24/04	08/24/04	% calculation	
32004#17E-17' (4H24004-06) Soil									
olids	92.0		%	1	EH42506	08/24/04	08/24/04	% calculation	
32004#17E-18' (4H24004-07) Soil									
olids	93.0		%	1	EH42506	08/24/04	08/24/04	% calculation	
32004#17E-19' (4H24004-08) Soil									
olids	94.0		%	1	EH42624	08/25/04	08/25/04	% calculation	
32004#17E-20' (4H24004-09) Soil									
olids	94.0		%	1	EH42624	08/25/04	08/25/04	% calculation	
32004#11E-12' (4H24004-10) Soil									
olids	94.0		%	1	EH42506	08/24/04	08/24/04	% calculation	

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
Midland TX, 79706-4476

Project: Vacuum To Jal 14 inch Mainline #6
Project Number: 2003-00135
Project Manager: Jeff Dann

Fax: (432) 687-4914

Reported:
08/26/04 17:21

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
PV682004#6E-2' (4H24004-23) Soil									
% Solids	**93.0**		%	1	EH42506	08/24/04	08/24/04	% calculation	

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
Midland TX, 79706-4476

Project: Vacuum To Jal 14 inch Mainline #6
Project Number: 2003-00135
Project Manager: Jeff Dann

Fax: (432) 687-4914

Reported:
08/26/04 17:21

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH42405 - Solvent Extraction (GC)										
Blank (EH42405-BLK1)				Prepared: 08/24/04 Analyzed: 08/25/04						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	*49.8*		*mg/kg*	*50.0*		*99.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.5*		*"*	*50.0*		*85.0*	*70-130*			
LCS (EH42405-BS1)				Prepared: 08/24/04 Analyzed: 08/25/04						
Gasoline Range Organics C6-C12	476	10.0	mg/kg wet	500		95.2	75-125			
Diesel Range Organics >C12-C35	526	10.0	"	500		105	75-125			
Total Hydrocarbon C6-C35	1000	10.0	"	1000		100	75-125			
Surrogate: 1-Chlorooctane	*52.5*		*mg/kg*	*50.0*		*105*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.9*		*"*	*50.0*		*81.8*	*70-130*			
Calibration Check (EH42405-CCV1)				Prepared: 08/24/04 Analyzed: 08/25/04						
Gasoline Range Organics C6-C12	457		mg/kg	500		91.4	80-120			
Diesel Range Organics >C12-C35	513		"	500		103	80-120			
Total Hydrocarbon C6-C35	970		"	1000		97.0	80-120			
Surrogate: 1-Chlorooctane	*52.2*		*"*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*37.7*		*"*	*50.0*		*75.4*	*70-130*			
Matrix Spike (EH42405-MS1)	**Source: 4H24001-01**			Prepared: 08/24/04 Analyzed: 08/25/04						
Gasoline Range Organics C6-C12	638	10.0	mg/kg dry	575	ND	111	75-125			
Diesel Range Organics >C12-C35	635	10.0	"	575	ND	110	75-125			
Total Hydrocarbon C6-C35	1270	10.0	"	1150	ND	110	75-125			
Surrogate: 1-Chlorooctane	*58.0*		*mg/kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.1*		*"*	*50.0*		*80.2*	*70-130*			
Matrix Spike Dup (EH42405-MSD1)	**Source: 4H24001-01**			Prepared: 08/24/04 Analyzed: 08/25/04						
Gasoline Range Organics C6-C12	635	10.0	mg/kg dry	575	ND	110	75-125	0.471	20	
Diesel Range Organics >C12-C35	642	10.0	"	575	ND	112	75-125	1.10	20	
Total Hydrocarbon C6-C35	1280	10.0	"	1150	ND	111	75-125	0.784	20	
Surrogate: 1-Chlorooctane	*60.0*		*mg/kg*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*48.1*		*"*	*50.0*		*96.2*	*70-130*			

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Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH42606 - EPA 5030C (GC)										
Blank (EH42606-BLK1)				Prepared & Analyzed: 08/24/04						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*92.7*		*ug/kg*	*100*		*92.7*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*85.5*		"	*100*		*85.5*	*80-120*			
LCS (EH42606-BS1)				Prepared & Analyzed: 08/24/04						
Benzene	90.7		ug/kg	100		90.7	80-120			
Toluene	87.8		"	100		87.8	80-120			
Ethylbenzene	86.7		"	100		86.7	80-120			
Xylene (p/m)	190		"	200		95.0	80-120			
Xylene (o)	94.6		"	100		94.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*101*		"	*100*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*96.7*		"	*100*		*96.7*	*80-120*			
Calibration Check (EH42606-CCV1)				Prepared: 08/24/04 Analyzed: 08/25/04						
Benzene	87.5		ug/kg	100		87.5	80-120			
Toluene	83.6		"	100		83.6	80-120			
Ethylbenzene	80.1		"	100		80.1	80-120			
Xylene (p/m)	181		"	200		90.5	80-120			
Xylene (o)	84.7		"	100		84.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	*101*		"	*100*		*101*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*88.1*		"	*100*		*88.1*	*80-120*			
Matrix Spike (EH42606-MS1)	**Source: 4H24004-23**			Prepared: 08/24/04 Analyzed: 08/25/04						
Benzene	88.1		ug/kg	100	ND	88.1	80-120			
Toluene	86.0		"	100	ND	86.0	80-120			
Ethylbenzene	83.5		"	100	ND	83.5	80-120			
Xylene (p/m)	184		"	200	ND	92.0	80-120			
Xylene (o)	91.8		"	100	ND	91.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	*95.4*		"	*100*		*95.4*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*87.7*		"	*100*		*87.7*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

lyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
ch EH42606 - EPA 5030C (GC)										
rix Spike Dup (EH42606-MSD1)	**Source: 4H24004-23**			Prepared: 08/24/04	Analyzed: 08/25/04					
ene	89.3		ug/kg	100	ND	89.3	80-120	1.35	20	
ene	87.9		"	100	ND	87.9	80-120	2.19	20	
lbenzene	85.7		"	100	ND	85.7	80-120	2.60	20	
ne (p/m)	189		"	200	ND	94.5	80-120	2.68	20	
ne (o)	93.8		"	100	ND	93.8	80-120	2.16	20	
gate: a,a,a-Trifluorotoluene	*92.7*		"	*100*		*92.7*	*80-120*			
gate: 4-Bromofluorobenzene	*89.4*		"	*100*		*89.4*	*80-120*			

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EH42506 - General Preparation (Prep)										
Blank (EH42506-BLK1)				Prepared & Analyzed: 08/24/04						
% Solids	100		%							
Duplicate (EH42506-DUP1)		**Source: 4H24001-01**		Prepared & Analyzed: 08/24/04						
% Solids	87.0		%		87.0			0.00	20	
Batch EH42624 - General Preparation (Prep)										
Blank (EH42624-BLK1)				Prepared & Analyzed: 08/25/04						
% Solids	100		%							
Duplicate (EH42624-DUP1)		**Source: 4H20017-10**		Prepared & Analyzed: 08/25/04						
% Solids	94.0		%		94.0			0.00	20	

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Notes and Definitions

)4 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

T Analyte DETECTED

Analyte NOT DETECTED at or above the reporting limit

Not Reported

Sample results reported on a dry weight basis

) Relative Percent Difference

Laboratory Control Spike

Matrix Spike

Duplicate

:port Approved By: Roland K Tuttle Date: 8-26-04

ıland K. Tuttle, QA Officer
:ley D. Keene, Lab Director, Org. Tech Director
anne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

Environmental Lab of Texas, Inc.
12600 West I-20 East Phone: 432-563-1800
Odessa Texas 79763 Fax: 432-563-1713

Project Manager: Jeff Dann/Camille Reynolds
Company Name: Plains All American
Company Address: 5805 E. HIGHWAY 80
City/State/Zip: MIDLAND, TX 79701
Telephone No: 713.646.4657/505.441.0965
Sampler Signature: Pat McCasland EPI - Environmental Consultant

Project Name: Vacuum to Jal 14" Mainline #6
Project #: 2003-00135
Project Loc: Section 25 & 36 T23S R37E
PO#: 2003-00135

LAB ID 4H24004	SAMPLE IDENTIFICATION	Date Sampled	Time Sampled	No. of Containers	Preservative: ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Type: Water	Sludge	Soil	Other (Specify)	Analyze For: TCLP TDS/Cl/SAR/EC	TCLP TPH 418.1	TCLP TPH TX 1005/1006	TOTAL TPH 8015M GRO/DRO	Metals *	Volatiles *	Semivolatiles *	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides	Sulfates		RUSH TAT	Standard TAT
-01	PV682004#17E-12'	8/20/04	8:00	1	X									X					X				X							X	
-02	PV682004#17E-13'	8/20/04	8:10	1	X									X					X				X							X	
-03	PV682004#17E-14'	8/20/04	8:15	1	X									X					X				X							X	
-04	PV682004#17E-15'	8/20/04	8:20	1	X									X					X				X							X	
-05	PV682004#17E-16'	8/20/04	8:25	1	X									X					X				X							X	
-06	PV682004#17E-17'	8/20/04	8:30	1	X									X					X				X							X	
-07	PV682004#17E-18'	8/20/04	8:50	1	X									X					X				X							X	
-08	PV682004#17E-19'	8/20/04	8:57	1	X									X					X				X							X	
-09	PV682004#17E-20'	8/20/04	9:05	1	X									X					X				X							X	
-10	PV682004#11E-12'	8/20/04	9:30	1	X									X					X				X							X	
-11	PV682004#11E-13'	8/20/04	9:35	1	X									X					X				X							X	

Special Instructions: Analyze samples PV682004#17E-** and PV682004#11E-** in sequence. If TPH is <100 mg/Kg, do not analyze the remaining samples from the particular sample location.
FAX RESULTS TO Pat McCasland ASAP [505-394-2601] Call Pat McCasland 505.394.3481

Sample Containers Intact? Y N
Temperature Upon Request
Laboratory Comments: Rec 1.0°C

Relinquished:	Date	Time	Received by:	Date	Time
Relinquished:	Date	Time	Received by:	Date	Time
	8-24-04	1255		8-24-04	1255

1 of 3

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa Texas 79763
Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Jeff Dann/Camille Reynolds
Company Name: Plains All American
Company Address: 5805 E. HIGHWAY 80
City/State/Zip: MIDLAND, TX 79701
Telephone No: 713.646.4657/505.441.0965
Sampler Signature: Pat McCasland

Project Name: Vacuum to Jal 14" Mainline #6
Project #: 2003-00135
Project Loc: Section 25 & 36 T23S R37E
PO#: 2003-00135
EPI - Environmental Consultant

LAB ID	SAMPLE IDENTIFICATION	Date Sampled	Time Sampled	No. of Containers	Preservative: ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Type: Water	Sludge	Soil	Other (Specify)	Analyze For: TCLP TDS/Cl/SAR/EC	TCLP TPH 418.1	TCLP TPH TX 1005/1006	TCLP TPH 8015M GRO/DRO	TOTAL Metals *	TOTAL Volatiles *	TOTAL Semivolatiles *	TOTAL BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiability	Chlorides	Sulfates	RUSH TAT	Standard TAT
4H 24004																														
-12	PV682004#11E-14'	8/20/04	9:38	1	X									X					X				X						X	
-13	PV682004#11E-15'	8/20/04	9:41	1	X									X					X				X						X	
-14	PV682004#11E-16'	8/20/04	9:44	1	X									X					X				X						X	
-15	PV682004#11E-17'	8/20/04	9:47	1	X									X					X				X						X	
-16	PV682004#11E-18'	8/20/04	9:50	1	X									X					X				X						X	
-17	PV682004#11E-19'	8/20/04	9:52	1	X									X					X				X						X	
-18	PV682004#11E-20'	8/20/04	9:55	1	X									X					X				X						X	
-19	PV682004#11E-21'	8/20/04	10:10	1	X									X					X				X						X	
-20	PV682004#11E-22'	8/20/04	10:15	1	X									X					X				X						X	
-21	PV682004#11E-23'	8/20/04	10:17	1	X									X					X				X						X	
-22	PV682004#11E-24'	8/20/04	10:20	1	X									X					X				X						X	

Special Instructions: Analyze samples PV682004#17-** and PV682004#11-** in sequence; If TPH is <100 mg/Kg, do not analyze the remaining samples from the particular sample location.
FAX RESULTS TO Pat McCasland ASAP [505-394-2601] Call Pat McCasland 505.394.3481

Sample Containers Intact? Y N
Temperature Upon Request
Laboratory Comments: Ice 1.0°C

Relinquished:	Date	Time	Received by:	Date	Time
Relinquished:	Date	Time	Received by:	Date	Time
	8-24-04	1255		8-24-04	1255

Environmental Lab of Texas, Inc.
12600 West I-20 East Phone: 432-563-1800
Odessa Texas 79763 Fax: 432-563-1713

Project Manager: Jeff Dann/Camille Reynolds
Company Name: Plains All American
Company Address: 5805 E. HIGHWAY 80
City/State/Zip: MIDLAND, TX 79701
Telephone No: 713.646.4657/505.441.0965
Sampler Signature: Pat McCasland EPI - Environmental Consultant

Project Name: Vacuum to Jal 14" Mainline #6
Project #: 2003-00135
Project Loc: Section 25 & 36 T23S R37E
PO#: 2003-00135

LAB ID	SAMPLE IDENTIFICATION	Date Sampled	Time Sampled	No. of Containers	Preservative: ICE	HNO	HCl	NaOH	HSO	None	Other (Specify)	Type: Water	Sludge	Soil	Other (Specify)	Analyze For: TCLP/TOTAL: TDS/Cl/SAR/EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals *	Volatiles *	Semivolatiles *	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiabilty	Chlorides	Sulfates		RUSH TAT	Standard TAT
4H 24004 -23	PV682004#6E-2'	8/20/04	1:40	1	X									X					X				X							X	

Special Instructions: Analyze samples PV682004#17-** and PV682004#11-** in sequence; If TPH is <100 mg/Kg, do not analyze the remaining samples from the particular sample location.
FAX RESULTS TO Pat McCasland ASAP [505-394-260 Call-P. McCasland 505-394-3481

Sample Containers Intact? Y N
Temperature Upon Request
Laboratory Comments:
Rec 1.0°C

Relinquished:	Date	Time	Received by:	Date	Time
Relinquished:	Date	Time	Received by:	Date	Time
	8-24-04	1255		8-24-04	1255

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

Client: Plains All American

Date/Time: 08-24-04 @ 1315

Order #: 4H24004

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	1.0 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?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

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

Regarding:

Corrective Action Taken:

Appendix II: Area Groundwater Information

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 23S Range: 37E Sections: 22,23,24,25,36,35,34,27,26

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic
◉ All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report | Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 02/20/2003

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet) Min	Max	Avg

No Records found, try again

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 23S Range: 38E Sections: 19,30,31

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic
◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

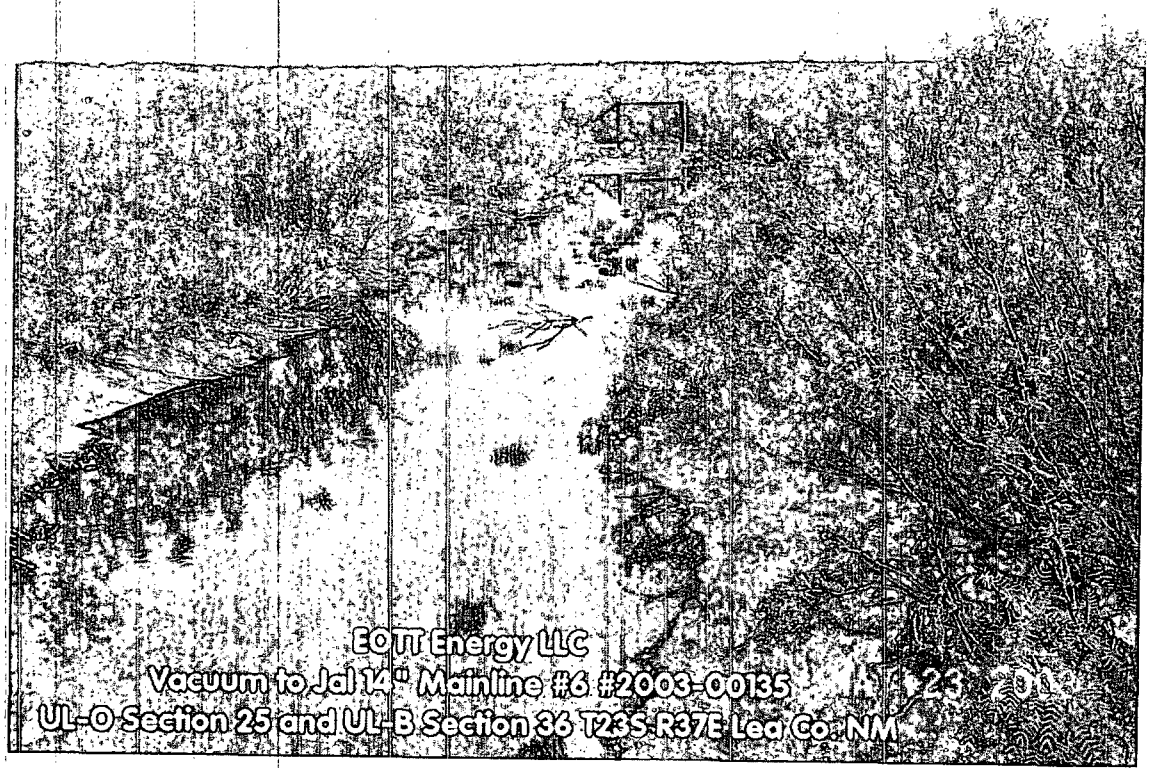
Clear Form | iWATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 03/28/2006

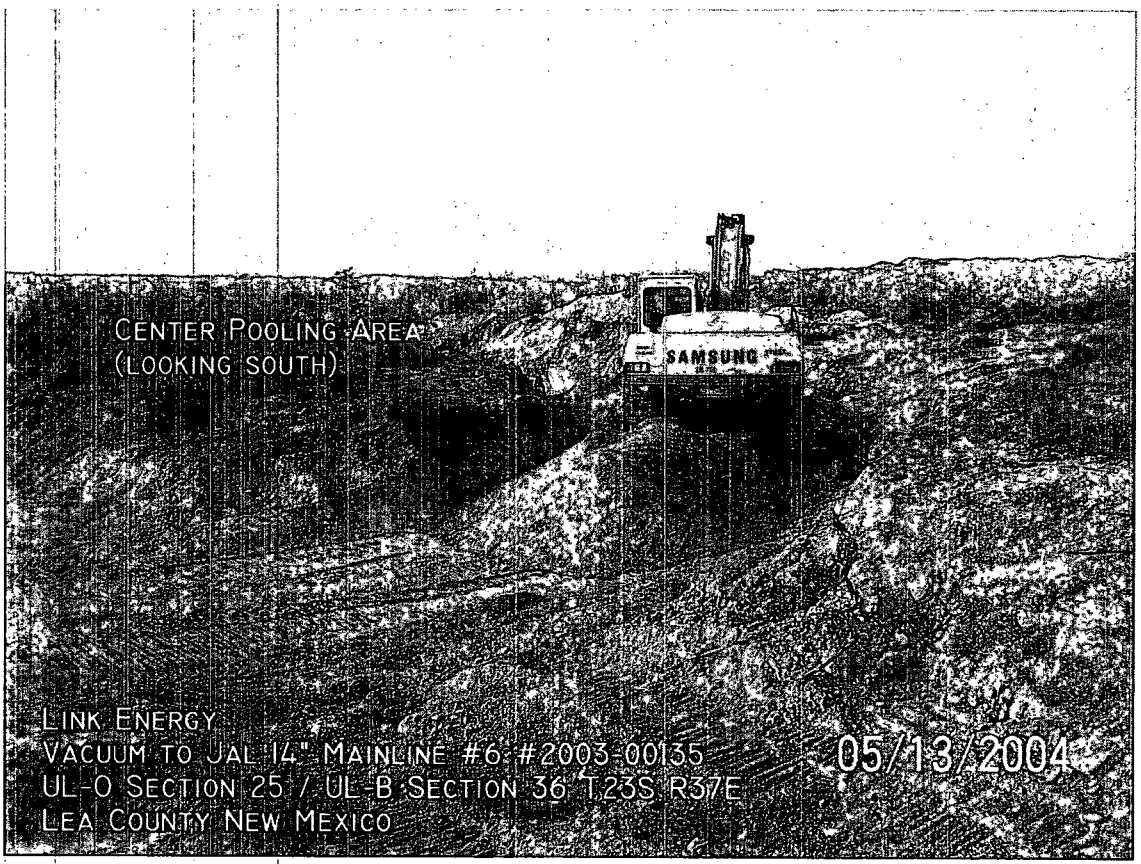
Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet) Min	Max	Avg

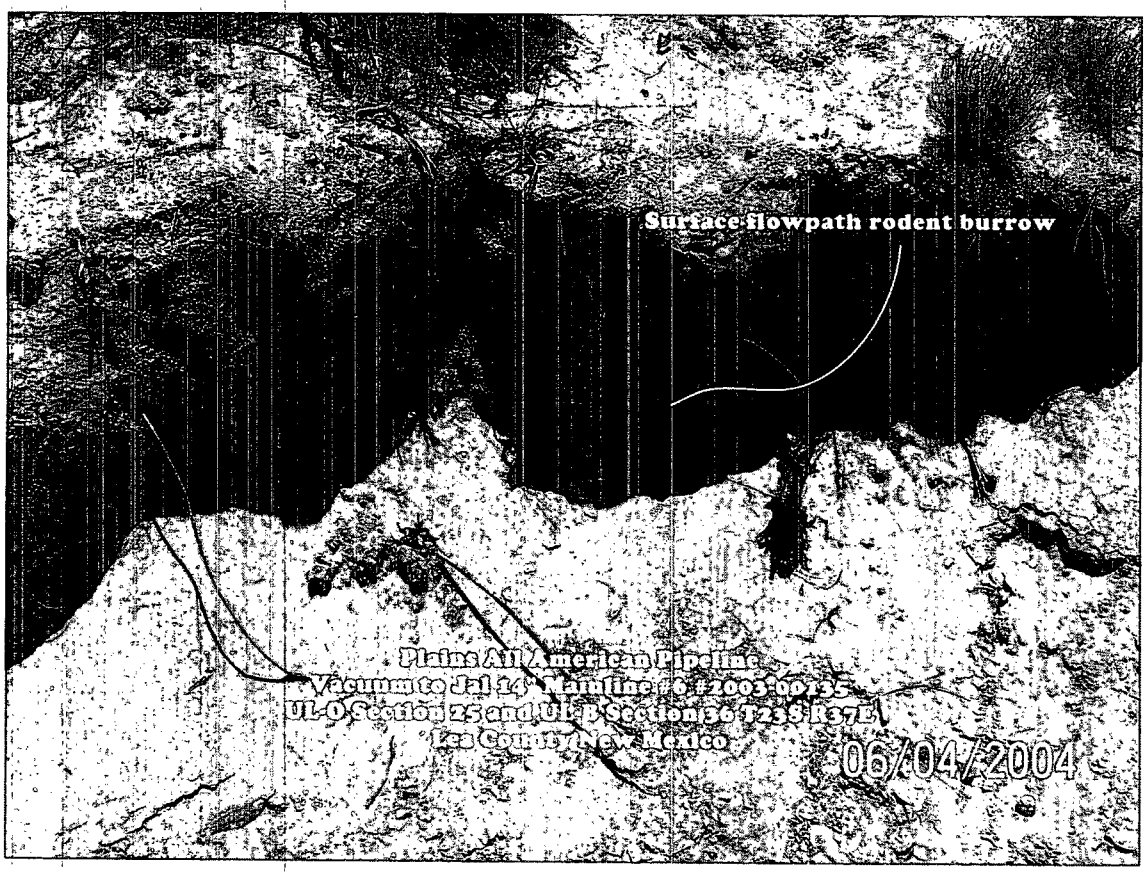
No Records found, try again

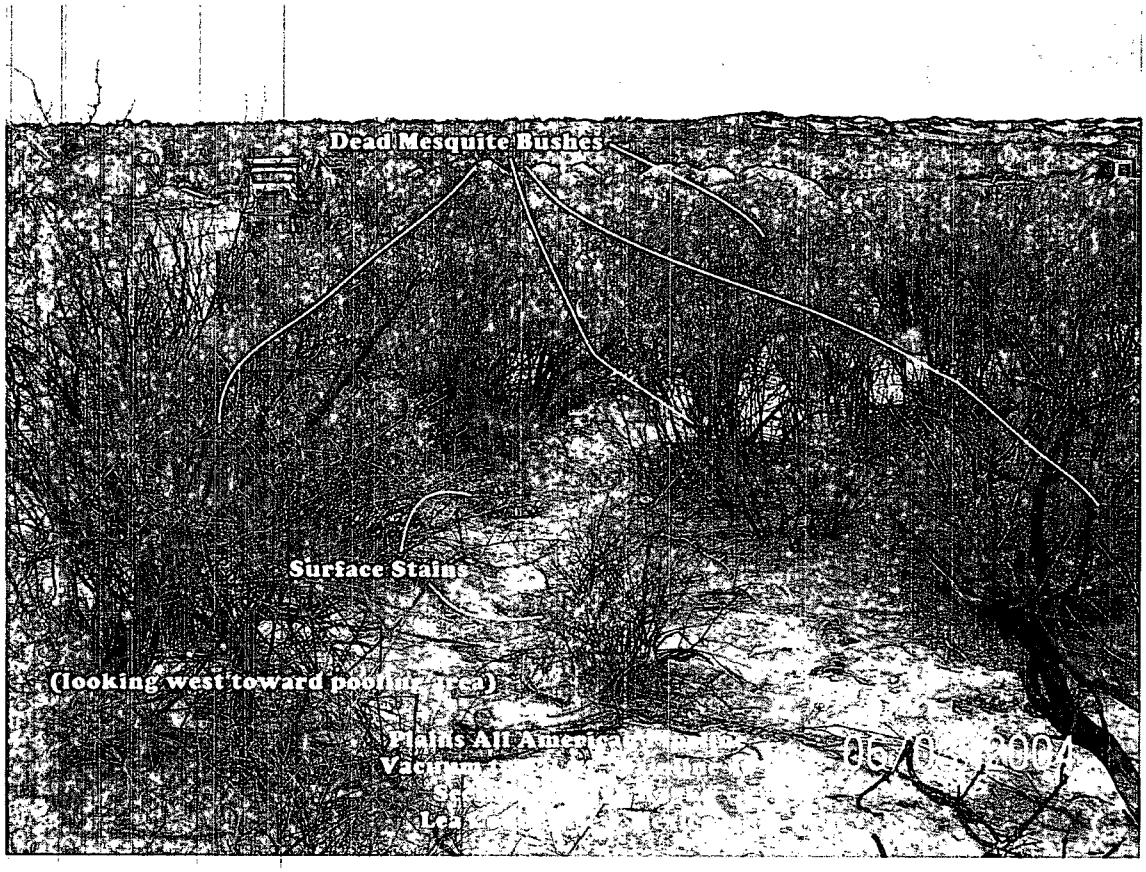
Appendix III: Photographs

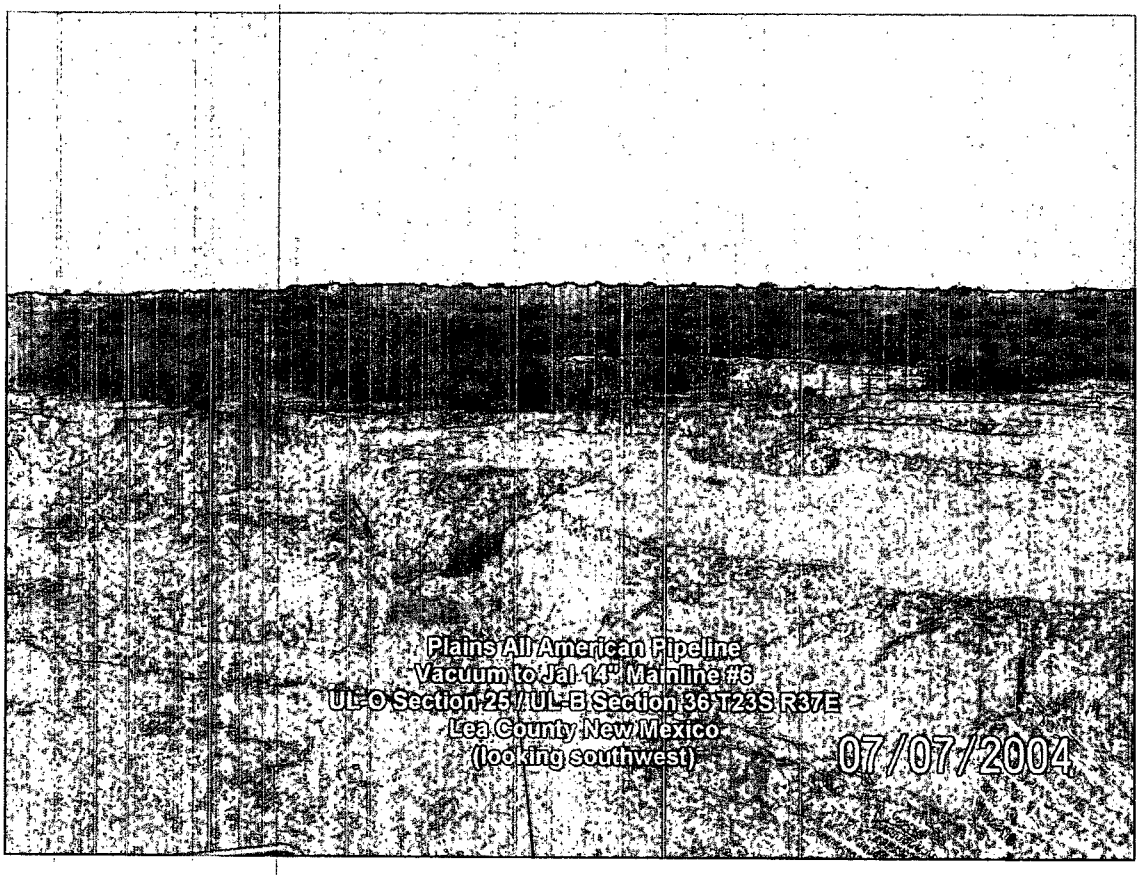

EOTT Energy LLC
Vacuum to Jal 14" Mainline #6 #2003-00135
UL-O Section 25 and UL-B Section 36 T23S R37E Lea Co. NM

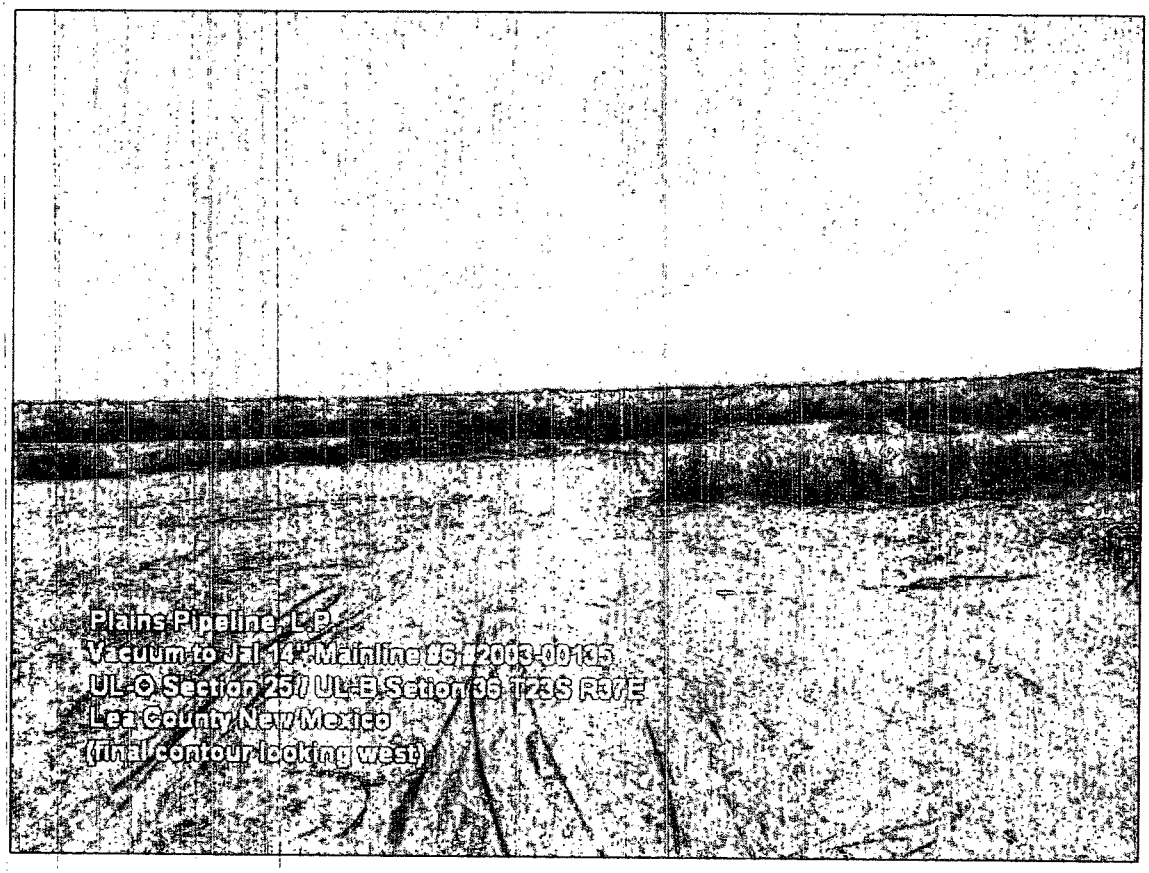

EOTT Energy LLC
Vacuum to Jal 14" Mainline #6 #2003-00135
UL-O Section 25 and UL-B Section 36 T23S R37E Lea Co. NM

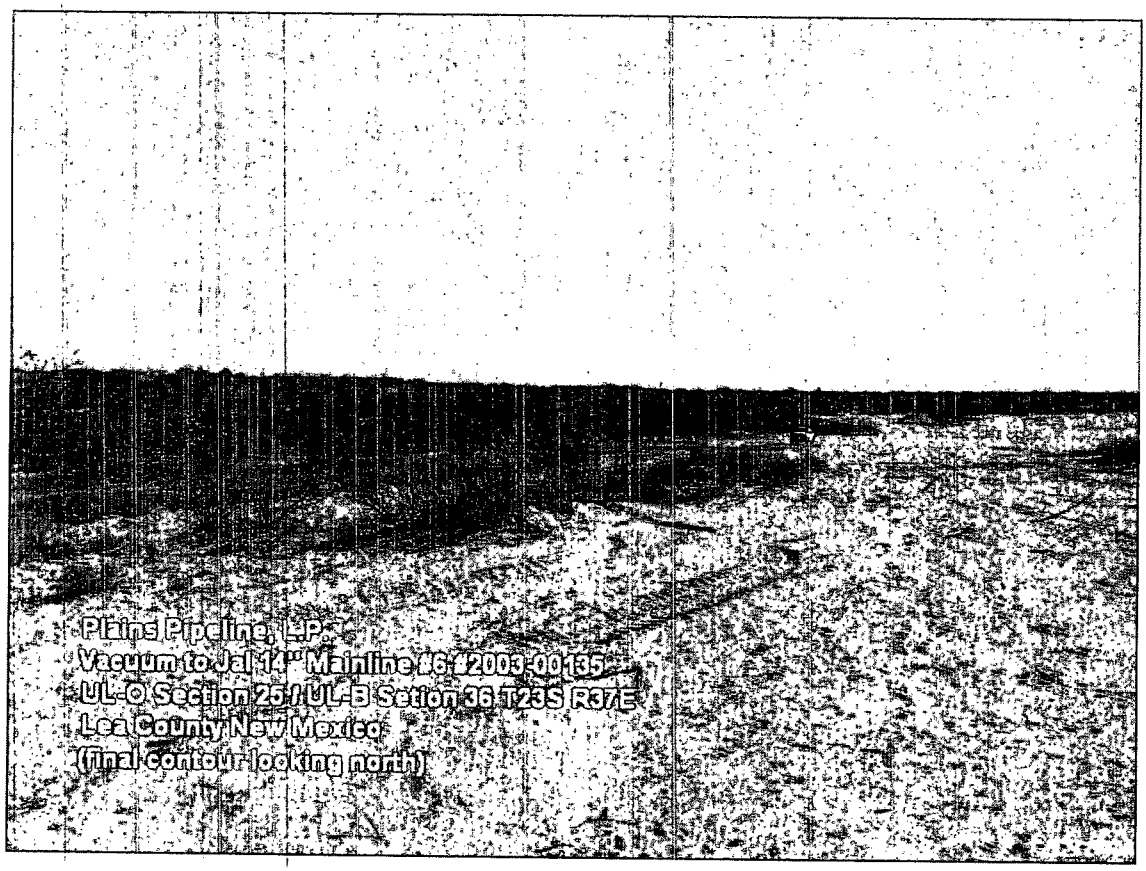

CENTER POOLING AREA
(LOOKING SOUTH)
SAMSUNG
LINK ENERGY
VACUUM TO JAL 14" MAINLINE #6 #2003-00135
UL-O SECTION 25 / UL-B SECTION 36 T23S R37E
LEA COUNTY NEW MEXICO
05/13/2004

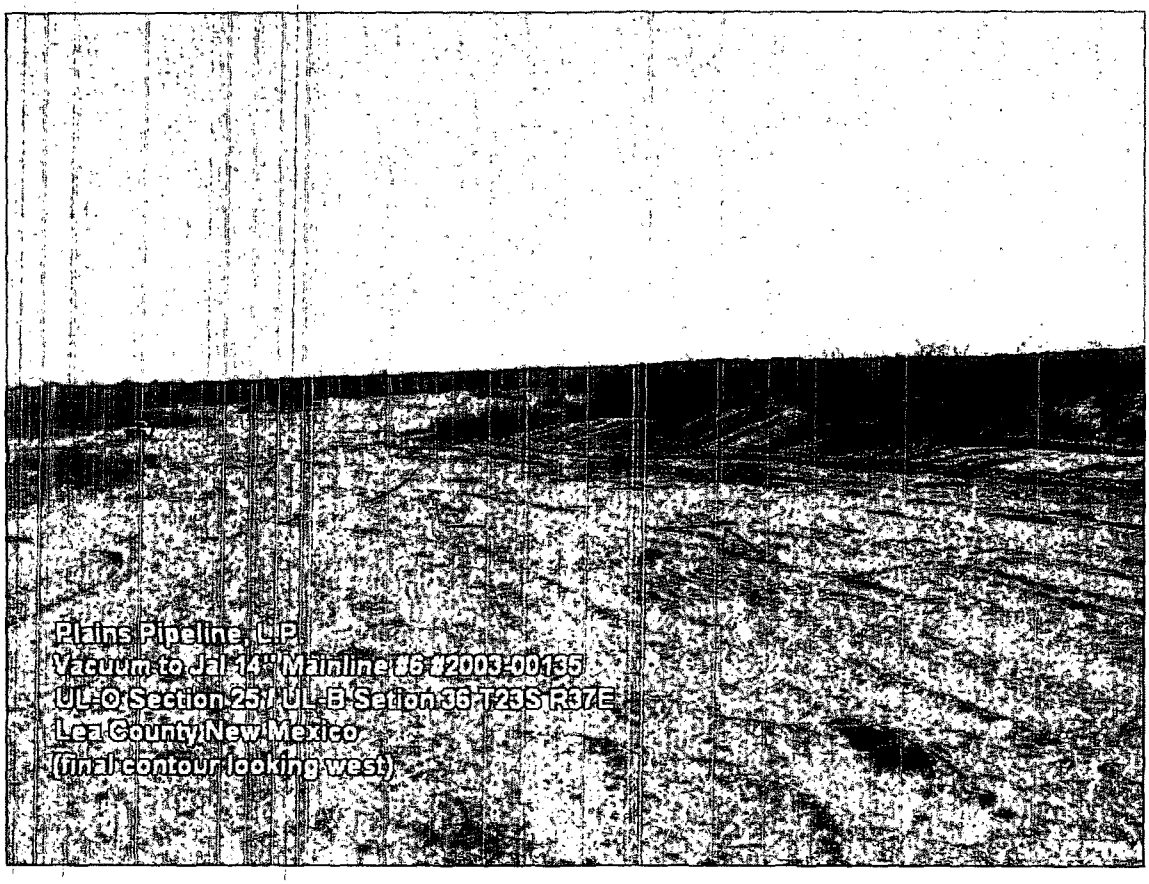

Surface flowpath rodent burrow
Plains All American Pipeline
Vacuum to Jal 14" Mainline #6 #2003-00135
UL-O Section 25 and UL-B Section 36 T23S R37E
Lea County New Mexico
06/04/2004

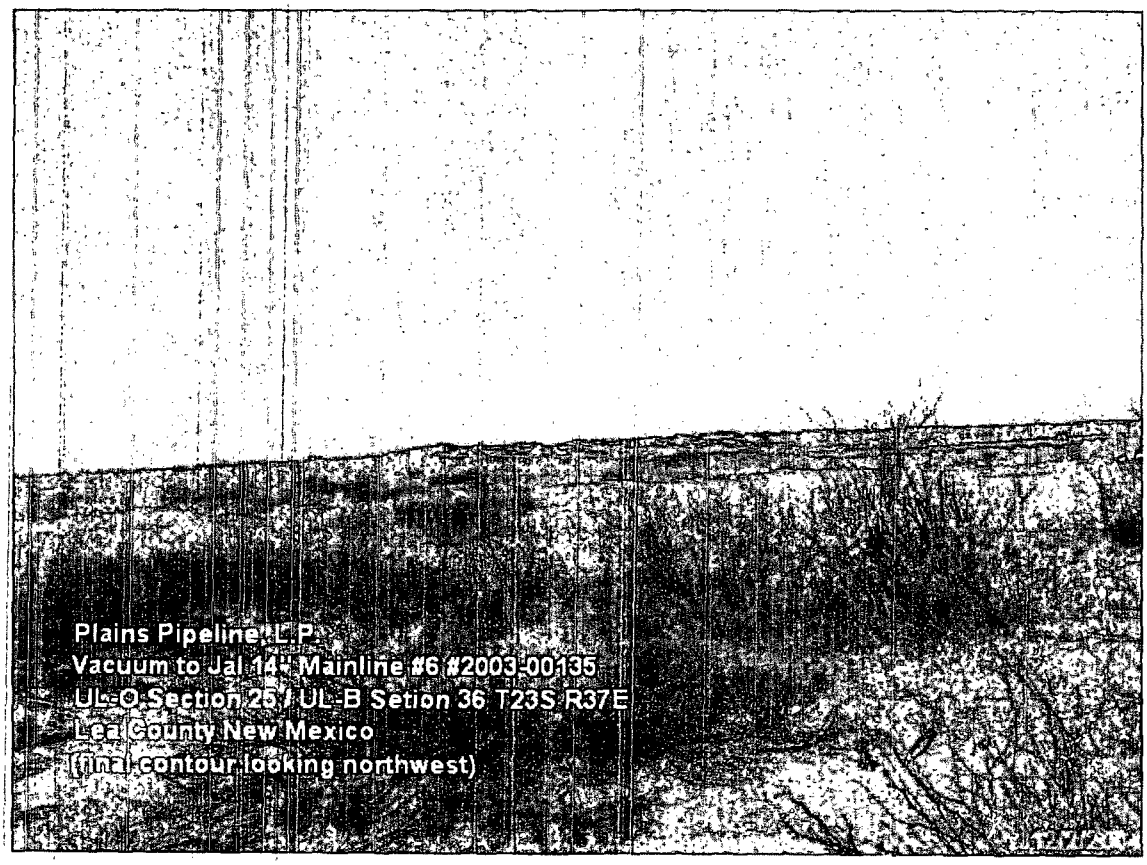

Dead Mesquite Bushes
Surface Stains
(looking west toward pooling area)


Plains All American Pipeline
Vacuum to Jal 14" Mainline #6
UL-O Section 25, UL-B Section 36 T23S R37E
Lea County New Mexico
(looking southwest)
07/07/2004


Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #6 (2003-00135
UL-O Section 25 / UL-B Setion 36 T23S R37E
Lea County New Mexico
(final contour looking west)


Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #6 (2003-00135
UL-O Section 25 / UL-B Setion 36 T23S R37E
Lea County New Mexico
(final contour looking north)


Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #6 #2003-00135
UL-O Section 25 / UL-B Setion 36 T23S R37E
Lea County New Mexico
(final contour looking west)


Plains Pipeline, L.P.
Vacuum to Jal 14" Mainline #6 #2003-00135
UL-O Section 25 / UL-B Setion 36 T23S R37E
Lea County New Mexico
(final contour looking northwest)

Appendix IV: Site Information & Metrics Form and Final NMOCD Form C-141

Plains All American Pipeline Site Information and Metrics	Incident Date: **5-23-03 @3:00 PM**	NMOCD Notified: 5-23-03 @ 8:00 PM

SITE: **Vacuum to Jal 14" Mainline #6**	Assigned Site Reference #: **2003-00135**
Company: Plains All American Pipeline	**NATIONAL RESPONSE CENTER - 800.424.8802**
Street Address: PO Box 1660	Notified Date/Time: National Response Center notified at 11:30 AM on 5-24-03 by Pat McCasland, EPI.
Mailing Address: 5805 East Highway 80	Notified by: Pat McCasland, EPI
City, State, Zip: Midland, Texas 79702	Person Notified: Nowak
Representative: Camille Reynolds	NRC Report# : #645926
Representative Telephone: 505.396.3341 (email CJReynolds@paalp.com)	
Telephone:	
Fluid volume released (bbls): 450 bbls	Recovered (bbls): 270 bbls
>25 bbls: Notify NMOCD verbally within 24 hrs and submit form C-141 within 15 days. (Also applies to unauthorized releases >500 mcf Natural Gas)	
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)	
Leak, Spill, or Pit (LSP) Name: Vacuum to Jal 14" Mainline #6	
Source of contamination: 14" Steel Pipeline	
Land Owner, i.e., BLM, ST, Fee, Other: State of New Mexico	
LSP Dimensions ~400' x 100'	
LSP Area: 39,821ft^2	
Location of Reference Point (RP)	
Location distance and direction from RP	
Latitude: 32° 16' 06.76"N	
Longitude: 103° 06' 49.57"W	
Elevation above mean sea level: 3,200'amsl	
Feet from South Section Line	
Feet from West Section Line	
Location- Unit or ¼¼: SW¼ of the SE¼	Unit Letter: O
Location- Section: 25	
Location- Township: T23S	
Location- Range: R37E	
Surface water body within 1000 ' radius of site: none	
Domestic water wells within 1000' radius of site: none	
Agricultural water wells within 1000' radius of site: none	
Public water supply wells within 1000' radius of site: none	
Depth from land surface to groundwater (DG): Estimated to be 33-feet bgs	
Depth of contamination (DC) – 18'bgs	
Depth to groundwater (DG – DC = DtGW) - Unconfined aquifer not present	

1. Groundwater	2. Wellhead Protection Area	3. Distance to Surface Water Body
If Depth to GW <50 feet: *20 points*	If <1000' from water source, or;<200' from private domestic water source: *20 points*	<200 horizontal feet: *20 points*
If Depth to GW 50 to 99 feet: *10 points*		200-100 horizontal feet: *10 points*
If Depth to GW >100 feet: *0 points*	If >1000' from water source, or; >200' from private domestic water source: *0 points*	>1000 horizontal feet: *0 points*
Groundwater Score = 20	*Wellhead Protection Area Score= 0*	*Surface Water Score= 0*
Site Rank (1+2+3) = 20		

Total Site Ranking Score and Acceptable Concentrations

Parameter	**>19**	10-19	0-9
Benzene[1]	**10 ppm**	10 ppm	10 ppm
BTEX[1]	**50 ppm**	50 ppm	50 ppm
TPH	**100 ppm**	1000 ppm	5000 ppm

[1]100 ppm field VOC headspace measurement may be substituted for lab analysis

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

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: **Plains All American Pipeline**	Contact: **Camille Reynolds**
Address: **PO Box 1660 5805 East Highway 80 Midland, Texas 79702**	Telephone No. **505.396.3341 (email CJReynolds@paalp.com)**
Facility Name **Vacuum to Jal 14" Mainline #6 #2003-00135**	Facility Type **14" Steel Pipeline**
Surface Owner: **State of New Mexico**	Mineral Owner / Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County:
O	**25**	**T23S**	**R37E**					Lea

Latitude: **32° 16' 06.76"N** **Longitude:** **103° 06' 49.57"W**

NATURE OF RELEASE

Type of Release **Crude Oil**	Volume of Release **450 barrels**	Volume Recovered **270 barrels**
Source of Release **14" Steel Pipeline**	Date and Hour of Occurrence **5-23-03 @ 3:00 PM**	Date and Hour of Discovery **Richard Espinoza (EOTT) notified by Air Patrol at 4:00 PM 5-23-03**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Larry Johnson**	
By Whom? **Pat McCasland, EPI**	Date and Hour **5-23-03 @ 8:00 PM**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. **NA**	

If a Watercourse was Impacted, Describe Fully.*
Unconfined groundwater was not detected laying on top of the red clay interbed encountered at 15-18 feet-bgs.

Describe Cause of Problem and Remedial Action Taken.* ***14" Steel Pipeline*** **The cause was internal corrosion. The line was being pressure tested at the time of the occurrence. The line was depressured and a line repair clamp installed. Contaminated soil placed on a plastic barrier.**

Describe Area Affected and Cleanup Action Taken.* ***39,821 sqft (~400' x 100'): Site was delineated to determine the vertical and horizontal extents of contamination. Contaminated soil was excavated and spread in the soil remediation cell located at the Plains Vacuum to Jal 14" Mainline #1 located approximately 0.5 mile north of the site. The excavated area was backfilled with clean soil and contoured. A site surface restoration plan has been submitted and approved by the landowner.***

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 groundwater, 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:	OIL CONSERVATION DIVISION
Printed Name: Camille Reynolds	Approved by District ~~Supervisor~~: ENVIRO ENGR
E-mail Address: CJReynolds@PAALP.com	Approval Date: 8.7.06 / Expiration Date: —
Title: Remediation Coordinator	Conditions of Approval: — / Attached ☐
Date: Phone: 505.396.3341	

Attach Additional Sheets If Necessary

PLAINS
ALL AMERICAN

July 10, 2006

Mr. Larry Johnson
New Mexico Oil Conservation Division (NMOCD)
1625 French Drive
Hobbs, New Mexico 88240

Re: Plains All American – Closure Report
Vacuum to Jal 14" Mainline #6 release site
SW¼ of the SE¼ of Section 25, T23S, R37E
Lea County, New Mexico

Dear Mr. Johnson:

Please find included herewith the closure report for the Plains Vacuum to Jal 14" Mainline #6 release site located in the SW¼ of the SE¼ of Section 25, T23S, R37E, Lea County, New Mexico, dated June 2006. The report details closure activities approved by the NMOCD.

If you have any questions or require further information, please contact me at (505) 441-0965.

Sincerely,

Camille Reynolds

Camille Reynolds
Remediation Coordinator
Plains All American

Enclosure