# SOILS CLOSURE REPORT VACUUM GATHERING 6" LEA COUNTY, NEW MEXICO NMOCD REF. # RP-1274 SRS #2000-10833

Section 20, Township 18 South, Range 34 East

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July 31, 2007

Soils Closure Report Vacuum Gathering 6"

> Plains Pipeline, L.P. Houston, Texas

Talon/LPE PROJECT NO. PLAINS006SPL

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July 2007

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NMOCD - New Mexico Oil Conservation Division

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# TABLE OF CONTENTS

1.0	Introduction and Objectives												
	1.1	Objectives and Site Location	1										
	1.2	Site Background	1										
	1.3	Regulatory Framework	1										
2.0	Prop	oosed Field Activities											
	2.1	Soils Remediation Work Plan	3										
3.0	Field Activities												
	3.1	Soil Investigation Activities	3										
	3.2	Analytical Procedures	3										
	3.3	Soil Sampling Results	4										
	3.4	Site Restoration Activities	4										
4.0	Conclusions												
	4.1	Recommendations	5										

# Appendices

 Appendix A Drawings
 Figure 1 – Topographic Map Figure 2 – Site Map With Soil Sampling Locations
 Appendix B Tables Table 1 – Summary of Soil Analytical Data
 Appendix C Soil Boring Logs
 Appendix D Laboratory Analytical Data Sheets and Chain of Custody Documentation
 Appendix E Photograph Documentation
 Appendix F NMOCD C-141 Reports

> Initial C-141 Report Final C-141 Report

# **1.0 INTRODUCTION AND OBJECTIVES**

#### 1.1 Objectives and Site Location

On April 22, 2005, Talon/LPE was retained by Plains Pipeline, L.P. (Plains) to assume the soils investigation at the 6" Vacuum Gathering crude oil pipeline release site in Lea County, New Mexico. The soils investigation at the site was previously conducted by Environmental Plus, Inc. (EPI). The purpose of this investigation was to delineate and remediate hydrocarbon impacted soils at the 6" Vacuum Gathering location.

The 6" Vacuum Gathering release site is located approximately 25 miles west of Hobbs in Lea County, New Mexico. The GPS coordinates for the site are 32°43'56.56"N latitude and 103°35'26.52"W longitude. The release occurred on property owned by Mr. Ken Smith and is utilized for cattle grazing. The site is located in a rural area in the Vacuum Oil Field, with no permanent residence or surface water within a 1,000 foot radius of the release point. A topographic map is provided as Figure 1 in Appendix A.

#### 1.2 Site Background

In December 2000, a release of approximately fifty (50) barrels of crude oil, of which eighteen (18) barrels were recovered, occurred at the site due to corrosion (internal and/or external) of the pipeline. Additionally, approximately 500 cubic yards of soil impacted by the release were excavated by EPI and placed on a plastic liner.

#### 1.3 Regulatory Framework

The New Mexico Oil Conservation Division (NMOCD) has developed guidance for all federal, state, and fee lands in New Mexico for remediating contaminants resulting from leaks, spills, and releases of oilfield wastes or products. This guidance assigns ranking scores to sites based on depth to groundwater, distance from water supply sources, and distance to surface water bodies, and provides remediation/clean-up targets for benzene, Total BTEX (benzene, toluene, ethylbenzene, and xylenes), and total petroleum hydrocarbons (TPH). Based on site visits and a review of aerial photographs, the 6" Vacuum Gathering site is located in a rural area with no permanent residence or surface water within a 1,000 foot radius of the release point. According to information available from the New Mexico Office of the State Engineer, the nearest water well is a livestock well located approximately 1,600 feet to the southeast. This well is at an elevation approximately 50 feet lower than the elevation of the 6" Vacuum Gathering site, and the records indicate a depth to water of approximately 120 feet below ground surface (bgs) Based on groundwater elevation data, the approximate depth to water at the site is 170 feet bgs.

According to NMOCD guidance, and based on depth to groundwater, distance from water supply sources, and distance to surface water bodies the ranking for this site is zero (0). The ranking process is summarized below:

<u>Criteria:</u>	Site Condition:	<b>Ranking Score:</b>
Depth to Groundwater	>100 feet	0
<1,000 Feet to Water Source?	No	0
<200 Feet to Private Domestic Water Source?	No	0
Distance to Surface Water Body	>1,000 feet	0
Total Score:		0

Based on the calculated rating, the applicable remediation guidelines for this site are as follows:

10 ррт
50 ppm
5,000 ppm

# 2.0 PROPOSED FIELD ACTIVITIES

In March 2007, Plains submitted the Soils Remediation Work Plan to the NMOCD in regard to the 6" Vacuum Gathering site. The Soils Remediation Work Plan stated that additional site investigation results did not indicate the presence of a hydrocarbon impact at the site above the applicable NMOCD guidelines. Furthermore, Talon/LPE recommended that no further confirmation samples be collected for laboratory analyses and that the stockpiled soils be used as backfill, since analytical data documented TPH and BTEX concentrations below NMOCD guidelines.

Subsequently, on April 5, 2007, Mr. Larry Johnson with the NMOCD approved the Soils Remediation Work Plan.

# **3.0 FIELD ACTIVITIES**

The following sections present a summary of the investigation activities conducted at the 6" Vacuum Gathering site, in accordance with the NMOCD approved Soils Remediation Work Plan. The focus of the investigation was the excavation and remediation of hydrocarbon impacted soils exceeding applicable NMOCD delineation/remediation limits.

#### 3.1 Soil Investigation Activities

In an effort to delineate the extent of impacted soil at the site, EPI advanced eighteen (18) soil borings to depths ranging from fifteen (15) to twenty (20) feet bgs in December 2001 (reference Figure 2). Laboratory analyses indicated concentrations exceeding the applicable NMOCD guidelines (reference Table 1).

On November 1, 2006, Talon/LPE advanced eight of the nine soil borings (SB-20 thru SB-27) proposed in the Soils Remediation Work Plan dated August 8, 2006 and subsequently approved by the NMOCD. The soil boring locations were selected, based on prior sampling efforts, to evaluate the current subsurface conditions, validate the earlier sampling results, and determine if natural attenuation was occurring at the site (reference Figure 2). In addition, five (5) of the borings were advanced to evaluate both the horizontal and vertical extent of impacted soils. The total depth of each boring was advanced ten (10) feet beyond the last measurable organic vapor photo-ionization-detector (PID) readings, or to a minimum depth of 25 feet bgs.

On January 30, 2007, Talon/LPE collected a five aliquot composite sample (SP) from the existing stockpile (reference Figure 2). In addition, two samples (BH-1 and BH-2) were collected from the bottom of the excavation at the site (reference Figure 2).

#### 3.2 Analytical Procedures

The soil boring samples collected on November 15, 2006, as well as the bottom hole and stockpile samples collected on January 30, 2007, were placed in laboratory prepared glassware and sealed with custody tape. The samples were placed in a cooler and relinquished to

TraceAnalysis Inc. in Midland, Texas for analysis. The soil samples were analyzed for BTEX using EPA method 8021B and TPH by EPA method 8015. The chain-of-custody forms and laboratory data sheets are provided in Appendix C.

#### 3.3 Soil Sampling Results

All soil boring samples collected on November 15, 2006 exhibited BTEX and TPH concentrations below the NMOCD remedial threshold limits (reference Table 2). Similarly, the analytical results from the bottom hole and stockpile samples collected on January 30, 2007 exhibited BTEX and TPH concentrations below the NMOCD remedial threshold limits (reference Table 2).

#### 3.4 Site Restoration Activities

On April 15, 2007, Talon/LPE began the approved NMOCD backfilling activities (Soils Remediation Work Plan, March 2007) by backfilling the excavation area with the stockpiled soil. A backhoe, bulldozer and loader were utilized to restore the site to natural grade. The site will be revegetated with grasses indigenous to the area.

# 4.0 CONCLUSIONS

#### 4.1 **Recommendations**

Based upon the findings of this investigation, Talon/LPE makes no further recommendations for future actions related to this release. Talon/LPE proposes that this report be the final action in regards to the soil investigation and remediation activities at the site and recommends that Plains submit a copy of this report to the NMOCD and request that this report be the final document and action in regard to soil activities related to this release and that the NMOCD issue a letter of no further action to Plains.

# Appendix A

# Drawings

Figure 1 – Topographic Map Figure 2 – Site Map With Soil Sampling Locations

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# APPENDIX B

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# Tables

Table 1 – Summary of Soil Analytical Data



## Table 1 - Summary of Soil Analytical Data Vacuum Gathering 4", Lea County, New Mexico LPE Project ID. PLAINS006SPL

			Concentration												
		ppm		mg/Kg				mg/Kg							
Sample Designation	Date Sampled	PID Reading	GRO	DRO	Total TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX					
SB1-2'	12/14/01		717	1,410	2,127	1.120	23.900	13.600	23.310	61.930					
SB1-5'	12/14/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB1-10'	12/14/01		149	297	446	0.028	1 600	2.170	3.670	7.468					
SB1-15'	12/14/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB2-2'	12/14/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB2-5'	12/14/01		<5	<5	<10	<0.020	<0.020	<0 020	<0.040	<0.100					
SB2-10'	12/14/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB2-15'	12/14/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB3-2'	12/14/01		681	551	1232	0.0255	<0.020	0.0211	0.141	0.188					
SB3-5'	12/14/01	_	2,340	1,800	4,140	31.90	154.000	63.30	114.0	363.20					
SB3-10'	12/14/01		1,660	1,620	3,280	2.080	33.900	24.40	47.90	108.280					
SB3-15'	12/14/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB3-20'	12/14/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB4-2'	12/14/01		<5	18.4	18.4	<0.020	<0.020	<0.020	<0.040	< 0.100					
SB4-5'	12/14/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB4-10'	12/14/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB4-15'	12/14/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB5-2'	12/14/01	_	<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB5-5'	12/14/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB5-10'	12/14/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB5-15'	12/14/01		<5	<5	<10	<0.020	< 0.020	<0.020	< 0.040	<0.100					
SB6-2'	12/17/01		<5	<5	<10	<0.020	<0.020	<0.020	< 0.040	<0.100					
SB6-5'	12/17/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0 100					
SB6-10'	12/17/01		<5	<5	<10	<0.020	<0.020	<0.020	<0 040	<0.100					
SB6-15'	12/17/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					



## Table 1 - Summary of Soil Analytical Data Vacuum Gathering 4", Lea County, New Mexico LPE Project ID. PLAINS006SPL

		Concentration												
		ppm		mg/Kg				mg/Kg						
Sample Designation	Date Sampled	PID Reading	GRO	DRO	Total TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX				
SB7-2'	12/17/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100				
SB7-5'	12/17/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100				
SB7-10'	12/17/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100				
SB7-15'	12/17/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100				
SB8-2'	12/17/01		2,240	6,610	8,850	<0.020	0.538	0.666	3.252	4.456				
SB8-5'	12/17/01		891	1,770	2,661	0.0336	5.330	5.170	19.950	30.484				
SB8-10'	12/17/01		<5	22.3	22.3	<0.020	<0.020	<0.020	<0.040	<0.100				
SB8-15'	12/17/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100				
SB9-2'	12/18/01		1,220	10,800	12,020	<0.020	0.512	0.156	1.709	2.377				
SB9-5'	12/18/01		395	507	902	<0.020	0.0234	<0.020	2.130	2.153				
SB9-10'	12/18/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100				
SB9-15'	12/18/01		6.03	25.7	31.73	<0.020	<0.020	<0.020	<0.040	<0.100				
SB10-2'	12/18/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100				
SB10-5'	12/18/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100				
SB10-10'	12/18/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100				
SB10-15'	12/18/01	· · · · · · · · · · · · · · · · · · ·	<5	<5	<10	<0.020	<0.020	<0.020	<0 040	<0 100				
SB11-2'	12/18/01		<5	<5	<10	<0.020	< 0.020	<0.020	<0.040	<0.100				
SB11-5'	12/18/01		<5	<5	<10	<0.020	<0.020	<0.020	< 0.040	<0.100				
SB11-10'	12/18/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100				
SB11-15'	12/18/01		<5	<5	<10	<0.020	<0.020	<0.020	< 0.040	<0.100				
SB12-2'	12/18/01		<5	<5	<10	<0.020	<0.020	<0.020	< 0.040	<0.100				
SB12-5'	12/18/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100				
SB12-10'	12/18/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100				
SB12-15'	12/18/01		<5	<5	<10	<0.020	<0 020	<0.020	<0.040	<0.100				



#### Table 1 - Summary of Soil Analytical Data Vacuum Gathering 4'', Lea County, New Mexico LPE Project ID. PLAINS006SPL

			Concentration												
		ppm		mg/Kg	·			mg/Kg							
Sample Designation	Date Sampled	PID Reading	GRO	DRO	Total TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX					
SB13-2'	12/19/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB13-5'	12/19/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB13-10'	12/19/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB13-15'	12/19/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB14-2'	12/19/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB14-5'	12/19/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB14-10'	12/19/01		<5	<5	<10	< 0.020	<0.020	<0.020	<0.040	<0.100					
SB14-15'	12/19/01		<5	<5	<10	<0.020	< 0.020	< 0.020	<0.040	<0.100					
SB15-2'	12/19/01		<5	<5	<10	< 0.020	<0.020	<0.020	< 0.040	<0.100					
SB15-5'	12/19/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB15-10'	12/19/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB15-15'	12/19/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB16-2'	12/20/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB16-5'	12/20/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB16-10'	12/20/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB16-15'	12/20/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB17-2'	12/20/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB17-5'	12/20/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB17-10'	12/20/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB17-15'	12/20/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
SB18-2'	12/20/01		<5	<5	<10	<0.020	<0 020	<0.020	<0.040	<0.100					
SB18-5'	12/20/01		<5	<5	<10	< 0.020	<0.020	<0.020	<0 040	<0.100					
SB18-10'	12/20/01		<5	<5	<10	<0.020	<0.020	<0.020	<0.040	<0.100					
<u>SB18-15</u>	12/20/01		<5	<5	<10	<0.020	<0.020	<0.020	< 0.040	<0.100					
<u>SB-20 (1.5'- 3')</u>	11/15/06	0.0	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100					
<u>SB-20 (23 - 25)</u>	11/15/06	0.0	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100					
<u>SB-21 (1'- 3')</u>	11/15/06	0.0	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100					
SB-21 (3'- 5')	11/15/06	1.6	<1.00	<50.0	<50.0		<0.0100	<0.0100	<0.0100	<0.0100					
<u> </u>	11/15/06	0.0	<1.00	<50.0	<50.0	<u> &lt;0.0100</u>	<0.0100		<0.0100	<0.0100					



#### Table 1 - Summary of Soil Analytical Data Vacuum Gathering 4", Lea County, New Mexico LPE Project ID. PLAINS006SPL

		Concentration													
		ppm		mg/Kg				mg/Kg	ļ						
Sample Designation	Date Sampled	PID Reading	GRO	DRO	Total TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX					
SB-22 (3'- 5')	11/15/06	0.0	<1.00	<50.0	<50.0	<0.0100 <0.0100		<0.0100	<0.0100	<0.0100					
SB-22 (23'- 25')	11/15/06	0.0	<1.00	<50.0	<50.0 <50.0 <0.0100 <0.0100 <0		<0 0100	<0.0100	<0.0100						
SB-22 (33'- 35')	11/15/06	0.0	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0 0100	<0.0100	<0.0100					
SB-23 (13'- 15')	11/15/06	15.9	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<0 0100					
SB-23 (23'- 25')	11/15/06	0.0	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100					
SB-24 (13'- 15')	11/15/06	14.7	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	< 0.0100					
SB-24 (23'- 25')	11/15/06	0.0	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100					
SB-25 (9'- 10')	11/15/06	46	22.3	324	346.3	<0.0100	<0.0100	<0.0100	0.0120	0.0120					
SB-25 (23'- 25')	11/15/06	0.0	1.20	<50.0	1.20	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100					
SB-26 (13'- 15')	11/15/06	0.0	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100					
SB-26 (25'- 26')	11/15/06	0.0	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100					
SB-27 (13'- 15')	11/15/06	1.0	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	< 0.0100	<0.0100					
SB-27 (23'- 25')	11/15/06	0.0	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100					
SP	01/30/07	0.0	2.97	66.3	69.27	<0.0100	<0.0100	<0.0100	0.0306	0.0306					
BH-1	01/30/07	0.0	<1.00	<50.0	<50.0	<0.0100	<0.0100	< 0.0100	0.0303	0.0303					
BH-2	01/30/07	0.0	<1.00	<50.0	<50.0	<0.0100	<0.0100	<0.0100	0.0256	0.0256					
NMOCD Remediation G	Guidelines	100			5,000	10				50					
1 Bolded values are in	n excess of the	NMOCD Rei	mediation Thre	esholds											

APPENDIX C

Soil Boring Logs

PROJE	CT <u>Pla</u>	ins Marketing, Lf	<b>-</b>				DRILLING COMPANY. Talon Drilling, LP		
PROJE	CT NUM	BER <u>PLAINSO</u>	06SPL				DRILLER Jose Salas, Jr		<u></u>
CLIEN	T Plains	Marketing, LP					DRILLING METHOD Air Rotary		
BORIN	G / WELI	NUMBER SB	-20			<u> </u>	BORE HOLE DIAMETER 5 5/8"		
TOTAL	. DEPTH	25'					SCREEN Diam Length Slot Size		
SURFA	CE ELE	VATION					CASING: Diam Length Type		
GEOLO	ogist <u>k</u>	(yle Summers					DATE DRILLED November 15, 2006		
							P/		1 of 1
DEPTH (FT.)	SYMBOL SYMBOL	WELL CONSTRUCTION	DID	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM		DEPTH (FT.)
						1'6"	Silty Sandy Topsoil		+
			0.0		1'6"- 3'		Sandy Calcium Carbonate, Weathered, Pinkish Gray 5YR 8/1, Dry Powdery		-
								-	-
5			0 0					$\vdash$	5
								-	1
	╏╷╻╷ ┎ <sub>┲┇┎┎┎┍</sub> ┎	and the second		H		8	Hard Calcium Carbonate @ 8', Pinkish Gray 5YR 8/1, Very Little		1
							Recovery @ 13- 15' bgs, Very Hard		1
10	╶┰╧┱╵╖╧┎╩╍╢ ╾┰┥┓┝┱┝┲╧╍╢ ╾╷┥╸╷╸╴╴	an a	00					$\vdash$	10
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		and a second							1
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25	╵╵╸╸╸ ╶╶╴╴╴ ╶╶╴╴╴		0 0		20	25'	Dattom of Hole @ 251	+-	25
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PROJE	ECT <u>Pla</u> i	ns Marketing, L	P				DRILLING COMPANY Talon Drilling, LP					
PROJE	ECT NUM	BER PLAINSC	006SPL				DRILLER Jose Salas, Jr					
CLIEN	T Plains	Marketing, LP					DRILLING METHOD Air Rotary					
BORIN	IG / WELL	NUMBER SE	3-21				BORE HOLE DIAMETER 5 5/8"					
TOTAL	L DEPTH	25'					SCREEN Diam Length Slot Size					
SURF	ACE ELE	VATION					CASING Diam Length Type					
GEOL	OGIST <u>H</u>	Kyle Summers					DATE DRILLED November 15, 2006	AGE	1 of			
			1	П		1		T	101			
DEPTH (FT.)	SOIL SYMBOL	WELL CONSTRUCTION	QIA	SAMPLES	SAMPLE INTERVAL	DESCRIPTION	DESCRIPTION OF STRATUM		рертн (FT.)			
	-				1'-	2'6"	Topsoil, Moderate Yellowish Brown 10YR 5/4, Sandy/Silty w/Some Calcium Carbonate Nodules	_	-			
			0.0		3'- 5'	20	Weathered Calcium Carbonate, Pinkish Gray 5YR 8/1, Dry Powdery, Calcium Carbonate gets Hard @ 11'		-			
5			16		Ū			-	5			
		4 							-			
								-	-			
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			00			11'			1 10			
				Н			Hard Sandy Calcium Carbonate, Well Cemented, Dry		1			
		ŝ.							1			
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15						15'			15			
			00				Weathered Calcium Carbonate, Pinkish Gray 5YR 8/1, Dry Powdery					
	14.55								]			
									]			
								_				
20									20			
		1. 413 m							4			
	<i></i>					23'	Vary Fire Fire Sand Mederate Orange 10D 7/4, Same Colours		-			
	-				23'- 25'		Carbonate Nodules, Mostly Unconsolidated	-	-			
25	┫┵╵╵╵╵╵		00		20	25'	Bottom of Hole @ 25'	+-	25			
	-							-	-			
	-							┢	-			
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REM	IARKS:	:					TALAL	F	<b>\ P</b>			
1		THIS E	BORING L	.0G 8	SHOULD N	NOT BE L	ISED SEPARATE FROM THE ORIGINAL REPORT	LF	12			
							Les sur Vite					

PROJECT	Plains Marketing, LP

#### DRILLING COMPANY Talon Drilling, LP PROJECT NUMBER PLAINS006SPL DRILLER Jose Salas, Jr CLIENT. Plains Marketing, LP DRILLING METHOD Air Rotary BORING / WELL NUMBER SB-22 BORE HOLE DIAMETER 55/8" TOTAL DEPTH. 35' SCREEN Diam Length Slot Size SURFACE ELEVATION. \_\_\_\_\_ CASING. Diam \_\_\_\_ Length \_\_\_\_ Type \_\_\_\_ GEOLOGIST Kyle Summers DATE DRILLED November 15, 2006

PAGE 1 of 2

DEPTH (FT.)	SYMBOL	WELL CONSTRUCTION	OId	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM		DEPTH (FT.)
5			0 0		3'- 5'	3'	Cut out - Excavation Silty Clayey Sand, Moderate Brown 5YR 4/4, Stiff but Non-Plastic, Slight Moisture, No Odor		5
10			0.0 0 0			<u>9'6"</u> 13'	Calcium Carbonate, Weathered w/Sand, Slightly Moist but Dries below 10' Sand/Calcium Carbonate, Moderate Brown 5YR 4/4, Mottled w/Pink		10
15			0.0				Gray 5YR 8/1 turns to Pink Gray @ 15' bgs		15
20			0.0		23'-	23'	Very Fine-Fine Sand, Moderate Orange 10R 7/4, Slightly Moist, Some		20
25			0.9		25'				25
30 REM	ARKS:	THIS R				OT BE 11			<u>30</u>
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PROJECT Plains Marketing, LI	Р		. <u> </u>	DRILLING COMPANY Talon Drilling, LP						
PROJECT NUMBER. PLAINSO	06SPL		<u></u>	DRILLER Jose Salas, Jr						
CLIENT Plains Marketing, LP				DRILLING METHOD Air Rotary	DRILLING METHOD Air Rotary					
BORING / WELL NUMBER SE	3-22			BORE HOLE DIAMETER <u>5 5/8"</u>						
TOTAL DEPTH <u>35'</u>				SCREEN Diam Length Slot Size						
SURFACE ELEVATION			- ··- ·	CASING Diam Length Type						
GEOLOGIST Kyle Summers				DATE DRILLED November 15, 2006	PAGE	2 of 1				
7		1			<u> </u>	2 01 1				
DEPTH (FT.) Soil SYMBOL WELL CONSTRUCTION	PID SAMPI ES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM		DEPTH (FT.)				
35		33'- 35'	35'	Bottom of Hole @ 35'		- 35				
						- - - <u>40</u>				
45						45				
<u>50</u>						- 50				
55						55				
60						- - - 60				
						-				
REMARKS: THIS E	SORING LOG	SHOULD N	OT BE U	ISED SEPARATE FROM THE ORIGINAL REPORT		)E				

PROJE	CT <u>Pla</u>	ins Marketing, L	P				DRILLING COMPANY Talon Drilling, LP						
PROJE	CT NUM	BER <u>PLAINSC</u>	06SPL				DRILLER Jose Salas, Jr.						
CLIENT	Plains	Marketing, LP					DRILLING METHOD Air Rotary						
BORIN	G / WELI	NUMBER SE	3-23				BORE HOLE DIAMETER <u>5 5/8"</u>						
							SCREEN Diam Length Slot Size						
SURFA							CASING Diam Length Type						
GEOLO	DGIST <u>H</u>	Cyle Summers				<u></u>	DATE DRILLED November 15, 2006	GE	1 of '				
		7	Γ	ТТ		T		Ť					
DEPTH (FT.)	SOIL SYMBOL	WELL CONSTRUCTION	DIA	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM		рертн (FT.)				
				$\left  - \right $			Tonsoil	┢	┼──				
				Н		1'	Fine Silty Sand, Gravish Orange 10VP 7/4		-				
		4 - 1							-				
								-	-				
									-				
5			13						5				
		1	1.0					<b>_</b>	-				
									-				
	ЩЩ					8'			_				
							Silty Sandy Clay & Clayey Sand, Moderate Brown 5YR 4/4, Very Stiff, Slightly Moist, Not Plastic		~				
10			0.2						10				
			03	Ш		11'			_				
							Weathered Calcium Carbonate, Pinkish Gray 5YR 8/1, Dry, powdery, Sandy		-				
									4				
					13'-				-				
15			15.0		15				15				
			159										
									-				
	<u>XXX</u>					18'		_	1				
							Fine Sand w/Calcium Carbonate, Pinkish Gray 5YR 8/1						
20			0.0						20				
									_				
				Ш		22'			1				
							Nodules, Dry		-				
		1			23'-				-				
25		•	00		20	25'	Bottom of Hole @ 25'	_	_25				
								_	-				
								_	-				
									-				
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30									30				
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REM	ARKS		1	- 1									
		THIS B	ORING L	og s		IOT BE U	ISED SEPARATE FROM THE ORIGINAL REPORT		IC.				

PROJECT Plains Marketing, LP PROJECT NUMBER PLAINS006SPL

CLIENT Plains Marketing, LP

TOTAL DEPTH 25'

SURFACE ELEVATION

GEOLOGIST Kyle Summers

#### DRILLING COMPANY Talon Drilling, LP DRILLER Jose Salas, Jr DRILLING METHOD Air Rotary BORING / WELL NUMBER SB-24 BORE HOLE DIAMETER 55/8" SCREEN Dram \_\_\_\_\_ Length \_\_\_\_\_ Slot Size \_\_\_\_\_

CASING Diam \_\_\_\_ Type \_\_\_\_ DATE DRILLED November 15, 2006

PAGE 1 of 1 WELL CONSTRUCTION DESCRIPTION DEPTH (FT.) DEPTH (FT.) SAMPLE SAMPLES DESCRIPTION OF STRATUM SOIL SYMBOL DI 6" ΠΠΙ Topsoil Weathered Calcium Carbonate/Hard Calcium Carbonate, Pinkish Gray 5YR 8/1, Dry, Some Sand, But Very Hard 5 5 0.0 10 10 00 More Sand Contact @ 13-15' bgs 13'-15' 15 15 14 7 Hard Again @ 15' bgs 20 20 0.1 23' Very Fine-Fine Sand, Moderate Orange 10R 7/4, Harder @ 25' bgs 23'-25' again 25 25 0.0 No Recovery 28'~ 30' 30 0.0 30' 30 Bottom of Hole @ 30' REMARKS: TALONLPE THIS BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT

PROJE	CT <u>Pla</u>	ins Marketing, Lf	P				DRILLING COMPANY Talon Drilling, LP		
PROJE	CT NUM	IBER <u>PLAINSO</u>	06SPL				DRILLER Jose Salas, Jr		
CLIEN	T Plains	Marketing, LP					DRILLING METHOD Air Rotary		····
BORIN	G / WELI	L NUMBER SB	-25				BORE HOLE DIAMETER <u>5 5/8"</u>		
TOTAL	. DEPTH	25'					SCREEN Diam Length Slot Size		
SURFA	CE ELE						CASING Diam Length Type		
GEOLO	OGIST <u>H</u>	Kyle Summers					DATE DRILLED November 15, 2006		<u> </u>
<b></b>	r 1			тт		<u> </u>	P/	AGE	1 of 1
DEPTH (FT.)	SOIL SYMBOL	WELL CONSTRUCTION	DId	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM		DEPTH (FT.)
							Sandy Calcium Carbonate-Weathered, Pinkish Gray 5YR 8/1, Slight Sand, But Not Much, Dry, Powdery		-
5			02						5
									-
10					9'- 10'				10
			46		10				
15			0.0					1	15
		He .	0.0						
		and the second							-
								<u> </u>	
									-
20			0.0			20'	Very Fire Fire Cond Medicate Occurs 400 7/4 Olivite Occurs data		20
			0.0				and Calcium Carbonate Nodules, Dry	—	-
									-
									-
					23'-				-
25	┫╝┹╝┨┹		00		20	25'	Pottom of Holo @ 25'	+-	25
									-
								-	-
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30									30
REM	ARKS			<u>. 1</u>	<u> </u>	L			
		THIS B	BORING L	OG S	SHOULD N	IOT BE U	JSED SEPARATE FROM THE ORIGINAL REPORT	Ļ	旧
L									

PROJECT. Plains Marketing, LP DRILLING COMPANY Talon Drilling, LP PROJECT NUMBER PLAINS006SPL DRILLER Jose Salas, Jr CLIENT Plains Marketing, LP DRILLING METHOD Air Rotary BORING / WELL NUMBER SB-26 BORE HOLE DIAMETER 5 5/8" SCREEN Diam \_\_\_\_\_ Length \_\_\_\_\_ Slot Size \_\_\_\_\_ TOTAL DEPTH 26 SURFACE ELEVATION \_\_\_\_\_ CASING Diam \_\_\_\_ Length \_\_\_\_ Type \_\_\_\_\_ DATE DRILLED November 15, 2006 GEOLOGIST Kyle Summers PAGE 1 of 1 WELL CONSTRUCTION DESCRIPTION INTERVAL DEPTH (FT.) DEPTH (FT.) SAMPLE INTERVAL SAMPLES DESCRIPTION OF STRATUM SOIL SYMBOL ЫО 6 Sand/Calcium Carbonate, Topsoil Calcium Carbonate-Weathered, Pinkish Gray 5YR 8/1, Dry, Sandy, More Competent w/Depth 5 0.0 10 10 00 13'-15' 15 0.0 20 20 0.0 25' 25 25 25'-Very Fine-Fine Sands, Moderate Orange 10R 7/4, Dry, Calcium 00 26' 26' Carbonate Nodules, Calcium Carbonate in Shoe, Non-Plastic Bottom of Hole @ 26' 30 30 **REMARKS**: TALONLPE THIS BORING LOG SHOULD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT

PROJECT	Plains Ma	rketing, LP	 
PROJECT N	UMBER	PLAINS006SPL	

CLIENT Plains Marketing, LP

BORING / WELL NUMBER SB-27

#### DRILLING COMPANY Talon Drilling, LP DRILLER Jose Salas, Jr DRILLING METHOD Air Rotary BORE HOLE DIAMETER 55/8" TOTAL DEPTH 25 \_\_\_\_\_ SCREEN Diam \_\_\_\_ Length \_\_\_\_\_ Slot Size \_\_\_\_ SURFACE ELEVATION \_\_\_\_\_ CASING Diam \_\_\_\_ Length \_\_\_\_\_ Type \_\_\_\_\_

GEOLOGIST Kyle Summers DATE DRILLED November 15, 2006

								PAG	3E 1	of 1
DEPTH (FT.)	SYMBOL SYMBOL	WELL CONSTRUCTION	OId	SAMPLES	SAMPLE INTERVAL	DESCRIPTION INTERVAL	DESCRIPTION OF STRATUM			
				Ц			Taraal Olly Card/Clause/Calasia Casharata		$\dashv$	
							Sandy Calcium Carbonate, Pinkish Gray 5YR 8/1, Dry, Weathered, Some Thin Sand Zones Betweeen 20 & 25' bgs			
5								t		5
			0.0							
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15					15'			-		15
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20								ł	$\neg$	20
			0.0					ľ	+	20
								-		
								~		
25					23'- 25'	25'		ŀ	$\neg$	25
			0.0				Bottom of Hole @ 25'	1		
								ŀ		
								-		
30								$\mathbf{F}$		20
								-	+	30
								Ī		
REM	ARKS:			<u>ı i</u>	<u> </u>					
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<u> </u>										

# KEY TO SYMBOLS Symbol Description Strata symbols Clayey sand and gravel Silty sand Limestone Clayey sand Clayey sand Misc. Symbols -/ Boring continues Soil Samplers Split Spoon sampler No recovery

#### Monitor Well Details

no pipe, sealed

# APPENDIX D

# Laboratory Analytical Data Sheets and Chain of Custody Documentation

. /

<b>LI</b> ''							4221 rreidrich Lane, 2209 N. Padre Island (512) 444-5896	Suite 190, Austin, TX 78744 & Dr., Corpus Christi FAX (512) 447-4			
Client:	Environmental Plus, Inc						Report#/Lab ID#: 124102	Report Date: 01/04/02			
Attn: Pat McCasland							Project ID: 2000-10833 Vacum Gathering				
Address	: 1324 M.St Po Box						Sample Name: EVG121401BH1-2'				
	Eunice	1	NM 88231				Sample Matrix: soil				
							Date Received: 12/19/2001	<b>Time:</b> 10:34			
Phone:	(505) 394-3481 · FA	<b>AX:</b> (505)	394-2601				Date Sampled: 12/14/2001	<b>Time:</b> 08:30			
REPORT	r of analysis						QUALITY	ASSURANCE DATA <sup>1</sup>			
5		T		TT	DOL 5	<b>n</b> 1 1	Nr. 16 Dr. 0 17	D 2D			

#### Parameter Result Units RQL<sup>o</sup> Blank Date Method <sup>o</sup> Data Qual / Prec.<sup>2</sup> | Recov? | CCV<sup>4</sup> LCS<sup>4</sup> 95.7 TPH by GC (as diesel) 1410 mg/Kg 50 <50 12/29/01 8015 mod. 1.9 81 91.8 ---TPH by GC (as diesel-ext) 12/26/01 3540 ----------------------------TPH by GC (as gasoline) 717 mg/Kg 50 <50 12/29/01 8015 mod. 6.8 81.5 ---101.1 117 Volatile organics-8260b/BTEX 12/28/01 8260b ---------------------Benzene 1120 µg/Kg 200 <200 12/28/01 8260b 103 6.6 116.1 111.4 --μg/Kg Ethylbenzene 13600 200 <200 12/28/01 8260b 2.899.9 93.8 101.2 --m,p-Xylenes 9010 µg/Kg 200 <200 12/28/01 8260b 2.6 102.2 93.3 104.1 --o-Xylene 14300 µg/Kg 200 <200 12/28/01 8260b 100.4 3.6 96.3 104 ---Toluene 23900 μg/Kg 200 <200 12/28/01 8260b 8.9 105.2 107.6 114.4 \_\_\_

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted,

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 (ROL), 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.

Richard Laster **Richard Laster** 

- Page#: 1 Report Date: 01/04/02

Client: Environmental Plus, Inc. Attn: Pat McCasland

2209 in Faure Island Dr., Corpus Christi, IX 7840408 (512) 444-5896 FAX (512) 447-476 ٠

Report#/Lab ID#: 124102 Sample Matrix: soil

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 5X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	none/diluted	diluted @ 10X	Ď
Toluene-d8	8260b	none/diluted	diluted @ 10X	D

Project ID: 2000-10833 Vacum Gathering

Sample Name: EVG121401BH1-2'

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

Report Date: 01/04/02 Page#: 2

Attn: Pat McCasland

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  $\leq 6^{\circ}$ 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 TNRCC-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.)

#### Qualif Comment Parameter 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 1.2-Dichloroethane-d4 D levels). Surrogate recoveries not accurately quantifiable. Nitrobenzene-d5 D Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic Nitrobenzene-d5 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 D Toluene-d8 levels). Surrogate recoveries not accurately quantifiable.

#### Comments pertaining to Data Qualifiers and QC data:

Notes:

L/'"				4221 Freidrich Lane 2209 N. Padre Island (512) 444-5896
Client:	Environmental Plus	, Inc.		Report#/Lab ID#: 124103
Attn:	Pat McCasland		Ì	Project ID: 2000-10833 Vac
Address	: 1324 M.St Po Box			Sample Name: EVG1214011
	Eunice	NM 88231		Sample Matrix: soil
				Date Received: 12/19/2001
Phone:	(505) 394-3481	FAX: (505) 394-2601		Date Sampled: 12/14/2001

#### REPORT OF ANALYSIS

4221 Freidrich Lane, Suite 190, Austin, T. 78744 & 2209 N. Padre Island Dr., Corpus Christ 78408 (512) 444-5896 • FAX (512) 447-4766

Report#/Lab ID#: 12410	3 <b>Report Date:</b> 01/04/02
Project ID: 2000-10833	Vacum Gathering
Sample Name: EVG1214	401BH1-5'
Sample Matrix: soil	
Date Received: 12/19/20	001 <b>Time:</b> 10:34
Date Sampled: 12/14/20	001 <b>Time:</b> 08:40

#### **QUALITY ASSURANCE DATA**<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/29/01	8015 mod.		1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/29/01	8015 mod.	J	6.8	81.5	101.1	117.
Volatile organics-8260b/BTEX					12/27/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/27/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	µg/Kg	20	<20	12/27/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	<20	µg/Kg	20	<20	12/27/01	8260b	J	2.6	102.2	93.3	104.1
o-Xylene	<20	μg/Kg	20	<20	12/27/01	8260b		3.6	100.4	96.3	104
Toluene	<20	µg/Kg	20	<20	12/27/01	8260b		8.9	105.2	107.6	114.4

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Richard Laster

Richard Laster

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(512) 444-5896 • FAX (512) 447-4766

Client:Environmental Plus, Inc.Attn:Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH1-5' Report#/Lab ID#: 124103 Sample Matrix: soil

#### REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	117	50-150	
p-Terphenyl	8015 mod.	110	50-150	
1,2-Dichloroethane-d4	8260b	109	65-115	
Toluene-d8	8260Ь	101	50-120	

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



Sample Temperature/Condition <=6°C

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The typical sample temperature criteria (except for metals by ICP, GFAA and AA and a very few other tests) is  $\leq 6^{\circ}$ 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

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A J flag data qualifier indicates (as required under TNRCC-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:

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

<b>L</b> I'''		4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christian (512) 444-5896 • FAX (512) 447-4
Client:	Environmental Plus, Inc.	<b>Report#/Lab ID#: 124104</b> Report Date: 01/04/02
Attn:	Pat McCasland	Project ID: 2000-10833 Vacum Gathering
Address	: 1324 M.St Po Box	Sample Name: EVG121401BH1-10'
	Eunice NM 88231	Sample Matrix: soil
		Date Received: 12/19/2001 Time: 10:34
Phone:	(505) 394-3481 FAX: (505) 394-2601	Date Sampled: 12/14/2001 Time: 08:55

#### **REPORT OF ANALYSIS**

#### OUALITY\_ASSURANCE\_DATA1

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CÇV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	297	mg/Kg	5	<5	12/29/01	8015 mod.		1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	149	mg/Kg	5	<5	12/29/01	8015 mod.		6.8	81.5	101.1	117
Volatile organics-8260b/BTEX					12/28/01	8260b					
Benzene	28	µg/Kg	20	<20	12/28/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	2170	μg/Kg	20	<20	12/28/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	1220	µg/Kg	20	<20	12/28/01	8260b		2.6	102.2	93.3	104.1
o-Xylene	2450	μg/Kg	20	<20	12/28/01	8260b		3.6	100.4	96.3	104
Toluene	1600	µg/Kg	20	<20	12/28/01	8260b		8.9	105.2	107.6	114.4

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Richard Laster Richard Laster

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Client: Environmental Plus, Inc. Attn: Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH1-10' (512) 444-5896 • FAX (512) 447-476

Report#/Lab ID#: 124104 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

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Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	95.5	50-150	
p-Terphenyl	8015 mod.	68.9	50-150	
1,2-Dichloroethane-d4	8260b	97.2	65-115	
Toluene-d8	8260b	99.2	50-120	

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

						4221 Fro 2209 N. (512) 44	eidrich Lane, S Padre Island 4-5896 •	Suite 190 Dr., Corj FAX	, Austin, 7 pus Christi (512) 447-4	TX 7874	14 & 3408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:1324 M.St Po Box EunicePhone:(505) 394-3481FAX:					Report#/Lab ID Project ID: 2000 Sample Name: E Sample Matrix: Date Received: Date Sampled:	#: 124105 D-10833 Vacuu EVG121401BF soil 12/19/2001 12/14/2001	Repor m Gather 11-15' Time: Time:	t Date: 0 ing 10:34 09:15	1/04/02		
REPORT OF ANALYSIS							<b>OUALITY</b>	ASSURA	ANCE DA	TA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/29/01	8015 mod.		1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/29/01	8015 mod.	J	6.8	81.5	101.1	117
Volatile organics-8260b/BTEX					12/27/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/27/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	µg/Kg	20	<20	12/27/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	<20	µg/Kg	20	<20	12/27/01	8260b		2.6	102.2	93.3	104.1
o-Xylene	<20	µg/Kg	20	<20	12/27/01	8260b		3.6	100.4	96.3	104
Toluene	<20	µg/Kg	20	<20	12/27/01	8260b		8.9	105.2	107.6	114.4

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Richard Laster **Richard Laster** 

Years #

Client: Environmental Plus, Inc. Attn: Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH1-15' • FAX (512) 447-4766 Report#/Lab ID#: 124105

---- in a nuite astante Din Curpus Christi, IA /040400

(512) 444-5896

Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

, \_\_\_\_\_ *III*.

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	101	50-150	
p-Terphenyl	8015 mod.	120	50-150	
1,2-Dichloroethane-d4	8260b	122	65-115	X
Toluene-d8	8260b	109	50-120	

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

## 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 TNRCC-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.
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	X X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysis discretion.
Notes:	<u></u>	

4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christ FAX (512) 447-4766 (512) 444-5896 Report#/Lab ID#: 124106 Report Date: 01/04/02 Client: Environmental Plus, Inc. Project ID: 2000-10833 Vacum Gathering Pat McCasland Attn: Sample Name: EVG12401BH2-2' Address: 1324 M.St Po Box Sample Matrix: soil 88231 Eunice NM Date Received: 12/19/2001 Time: 10:34 FAX: (505) 394-2601 Date Sampled: 12/14/2001 Time: 09:45 Phone: (505) 394-3481

## **REPORT OF ANALYSIS**

**OUALITY ASSURANCE DATA<sup>1</sup>** 

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X

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/29/01	8015 mod.	J	1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/29/01	8015 mod.	J	6.8	81.5	101.1	117
Volatile organics-8260b/BTEX					12/27/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/27/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	µg/Kg	20	<20	12/27/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	<20	µg/Kg	20	<20	12/27/01	8260b		2.6	102.2	93.3	104.1
o-Xylene	<20	µg/Kg	20	<20	12/27/01	8260b		3.6	100.4	96.3	104
Toluene	<20	μg/Kg	20	<20	12/27/01	8260b		8.9	105.2	107.6	114.4

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Respectfully Submitted, Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.

Pat McCasland

Attn:

(512) 444-5896 • FAX (512) 447-4766

Report#/Lab ID#: 124106 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	87.2	50-150	
p-Terphenyl	8015 mod.	106	50-150	
1,2-Dichloroethane-d4	8260b	106	65-115	
Toluene-d8	8260b	107	50-120	

Project ID: 2000-10833 Vacum Gathering

Sample Name: EVG12401BH2-2'

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

## 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  $\leq 6^{\circ}$ 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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#### J flag Discussion-

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#### Comments pertaining to Data Qualifiers and QC data:

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

						4221 Fr 2209 N. (512) 44	eidrich Lane, Padre Island 4-5896 •	Suite 190 Dr., Cor FAX	), Austin, pus Christ (512) 447-4	7874 7874 7874 7874	14 & 3408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:1324 M.St Po Box EunicePhone:(505) 394-3481FAX:	NM 88231 (505) 394-2601					Report#/Lab ID Project ID: 200 Sample Name: I Sample Matrix: Date Received: Date Sampled:	0#: 124107 0-10833 Vacu EVG121401BF soil 12/19/2001 12/14/2001	Repor m Gather H2-5' Time: Time:	rt Date: 0 ing 10:34 10:00	1/04/02	
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	<u>TA</u> 1	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/29/01	8015 mod.	J	1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/29/01	8015 mod.	J	6.8	81.5	101.1	117
Volatile organics-8260b/BTEX		1			12/27/01	8260b					
Benzene	<20	μg/Kg	20	<20	12/27/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	μg/Kg	20	<20	12/27/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	<20	μg/Kg	20	<20	12/27/01	8260b		2.6	102.2	93.3	104.1
o-Xylene	<20	μg/Kg	20	<20	12/27/01	8260b		3.6	100.4	96.3	104

<20

12/27/01

μg/Kg

20

<20

Richard Lastin

Richard Laster

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8.9

105.2

107.6

114.4

8260b

Toluene

(512) 444-5896 • FAX (512) 447-476

Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH2-5' Report#/Lab ID#: 124107 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

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Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	88.2	50-150	
p-Terphenyl	8015 mod.	104	50-150	
1,2-Dichloroethane-d4	8260b	105	65-115	
Toluene-d8	8260b	102	50-120	

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

## 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  $\leq 6^{\circ}$ 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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## J flag Discussion

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#### Comments pertaining to Data Qualifiers and QC data:

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

L/' "			4221 Freidrich Lane, Suite 190, Austin, TX 2209 N. Padre Island Dr., Corpus Christi (512) 444-5896 • FAX (512) 447-4766						
Client:	Environmental Plus	, Inc.	Report#/Lab ID#: 124108 Report Date: 01/04						
Atta:	Pat McCasland		Project ID: 2000-10833 Vacum Gathering						
Address	: 1324 M.St Po Box		Sample Name: EVG121401BH2-10'						
	Eunice	NM 88231	Sample Matrix: soil						
			Date Received: 12/19/2001 Time: 10:34						
Phone:	(505) 394-3481	FAX: (505) 394-2601	Date Sampled: 12/14/2001 Time: 10:15						

## **REPORT OF ANALYSIS**

**OUALITY ASSURANCE DATA1** 

78744 & 78408

01/04/02

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	$LCS^4$
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/29/01	8015 mod.		1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/29/01	8015 mod.	J	6.8	81.5	101.1	117
Volatile organics-8260b/BTEX					12/28/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/28/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	µg/Kg	20	<20	12/28/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	<20	μg/Kg	20	<20	12/28/01	8260b		2.6	102.2	93.3	104.1
o-Xylene	<20	μg/Kg	20	<20	12/28/01	8260b		3.6	100.4	96.3	104
Toluene	<20	µg/Kg	20	<20	12/28/01	8260b		8.9	105.2	107.6	114.4

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. 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 (Rccov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results arc 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.

(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH2-10'

Report#/Lab ID#: 124108 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	116	50-150	
p-Terphenyl	8015 mod.	117	50-150	
1,2-Dichloroethane-d4	8260b	110	65-115	
Toluene-d8	8260Ь	101	50-120	

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

### 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  $\leq 6^{\circ}$ 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 TNRCC-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	Sec J-flag discussion above.
Notes:		

<b>L</b> /' ''			_		
Client:	Environmental Plu	ıs, Inc.			
Attn:	Pat McCasland				
Address:	1324 M.St Po Box	ĸ			
	Eunice	NN	1	88231	
Phone:	(505) 394-3481	FAX: (505) 39	4-:	2601	

## **REPORT OF ANALYSIS**

4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christ 78408 (512) 444-5896 FAX (512) 447-4

Report#/Lab ID#: 124109	Report Date: 01/04/02
Project ID: 2000-10833 Va	cum Gathering
Sample Name: EVG121401	BH2-15'
Sample Matrix: soil	
Date Received: 12/19/2001	<b>Time:</b> 10:34
Date Sampled: 12/14/2001	<b>Time:</b> 10:30

## **OUALITY ASSURANCE DATA<sup>1</sup>**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/29/01	8015 mod.		1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/29/01	8015 mod.	J	6.8	81.5	101.1	117
Volatile organics-8260b/BTEX					12/27/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/27/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	µg/Kg	20	<20	12/27/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	<20	μg/Kg	20	<20	12/27/01	8260b		2.6	102.2	93.3	104.1
o-Xylene	<20	μg/Kg	20	<20	12/27/01	8260b		3.6	100.4	96.3	104
Toluene	<20	µg/Kg	20	<20	12/27/01	8260b		8.9	105.2	107.6	114.4

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster **Richard Laster** 

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Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH2-15' (512) 444-5896 • FAX (512) 447-476

Report#/Lab ID#: 124109 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	95.7	50-150	
p-Terphenyl	8015 mod.	117	50-150	
1,2-Dichloroethane-d4	8260b	127	65-115	X
Toluene-d8	8260b	108	50-120	

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

Sample Temperature/Condition <=6°C

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## Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
TPH by GC (as gasoline)	J	See J-flag discussion above.
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	X X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.
Notes:		

Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice				Report#/Lab ID Project ID: 200 Sample Name: I Sample Matrix:	#: 124110 0-10833 Vacut EVG121401BF soil	<b>Repor</b> n Gatheri 13-2'	<b>•t Date:</b> 0 ing	1/04/02			
Phone: (505) 394-3481 FAX:	(505) 394-2601					Date Received: Date Sampled:	12/19/2001 12/14/2001	Time: Time:	10:34 10:45		·
REPORT OF ANALYSIS							QUALITY	ASSURA	ANCE DA	$\underline{\mathbf{M}}^{1}$	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS
TPH by GC (as diesel)	551	mg/Kg	5	<5	12/29/01	8015 mod.		1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540				( <sup> </sup>	
TPH by GC (as gasoline)	681	mg/Kg	5	<5	12/29/01	8015 mod.		6.8	81.5	101.1	117
Volatile organics-8260b/BTEX					12/28/01	8260b					
Benzene	25.5	µg/Kg	20	<20	12/28/01	8260b		6.6	103	116.1	111.
Ethylbenzene	21.1	µg/Kg	20	<20	12/28/01	8260b		2.8	99.9	93.8	101.
m,p-Xylenes	<20	µg/Kg	20	<20	12/28/01	8260b	J	2.6	102.2	93.3	104.
o-Xylene	141	µg/Kg	20	<20	12/28/01	8260b		3.6	100.4	96.3	104
Toluene	<20	µg/Kg	20	<20	12/28/01	8260b		8.9	105.2	107.6	114

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted, Richard Laster

Richard Laster

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Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH3-2' (512) 444-5896 • FAX (512) 447-476

1. Laure Island Dr., Corpus Christi, 1X 7840408

Report#/Lab ID#: 124110 Sample Matrix: soil

## **<u>REPORT OF SURROGATE RECOVERY</u>**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	88.5	50-150	
p-Terphenyl	8015 mod.	• 103	50-150	
1,2-Dichloroethane-d4	8260b	87.3	65-115	
Toluene-d8	8260b	101	50-120	

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

Report #/Lab :124110 Matrix: soil Client: Environmental Plus, Inc. Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH3-2'

Attn: Pat McCasland

## 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  $\leq 6^{\circ}$ 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 TNRCC-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
m,p-Xylenes	J	See J-flag discussion above.
Notes:		

						· · · · · · · · · · · · · · · · · · ·					
Client: Environmental Plus, Inc.						Report#/Lab ID	#:124111	Repor	t Date: 0	1/04/02	
Attn: Pat McCasland						Project ID: 200	0-10833 Vacui	n Gatheri	ng		
Address: 1324 M.St Po Box						Sample Name: H	EVG121401BH	ł3-5'			
Eunice	NM 88231					Sample Matrix:	soil				
						Date Received:	12/19/2001	Time:	10:34		
Phone: (505) 394-3481 FAX:	(505) 394-2601					Date Sampled:	12/14/2001	Time:	11:00		
REPORT OF ANALYSIS							QUALITY	ASSURA	NCE DA	<u>TA</u> 1	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS'
TPH by GC (as diesel)	1800	mg/Kg	50	<50	12/29/01	8015 mod.		1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540		:			
TPH by GC (as gasoline)	2340	mg/Kg	50	<50	12/29/01	8015 mod.		6.8	81.5	101.1	117
Volatile organics-8260b/BTEX		1			12/28/01	8260b					
Benzene	31900	μg/Kg	1000	<1000	12/28/01	8260b		2.1	105.1	114.4	121.5
Ethylbenzene	63300	µg/Kg	1000	<1000	12/28/01	8260b		1.5	99.5	100.6	106.2
m,p-Xylenes	76400	μg/Kg	1000	<1000	12/28/01	8260b		1.1	100.1	101	107
o-Xylene	37600	μg/Kg	1000	<1000	12/28/01	8260b		2	99.5	102.2	109
Toluene	154000	μg/Kg	1000	<1000	12/28/01	8260b		2	111	117.1	122.1

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster Richard Laster

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 (POL) 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.

- The sound with Corpus Curristy IX 7040400 (512) 444-5896 •

Client: Environmental Plus, Inc. Pat McCasland Attn:

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH3-5'

Report#/Lab ID#: 124111 Sample Matrix: soil

FAX (512) 447-4766

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 5X	D
o-Terphenyl	8015 mod.	none/diluted	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	none/diluted	diluted @ 50X	D
Foluene-d8	8260b	none/diluted	diluted @ 50X	D

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

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  $\leq 6^{\circ}$ 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

A J flag data qualifier indicates (as required under TNRCC-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.)

#### 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-Dichlorocthane-d4 D levels). Surrogate recoveries not accurately quantifiable. Nitrobenzene-d5 D Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic Nitrobenzene-d5 D levels). Surrogate recoveries not accurately quantifiable. 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 D levels). Surrogate recoveries not accurately quantifiable. p-Terphenyl 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 D Toluene-d8 levels). Surrogate recoveries not accurately quantifiable.

## Comments pertaining to Data Qualifiers and QC data:

Notes:

						4221 Fr 2209 N. (512) 44	eidrich Lane, Padre Island 44-5896 •	Suite 190 Dr., Corj FAX	, Austin, ous Christi (512) 447-4	1 <sup>×</sup> 1, 7874 1, 71 4700	44 & 8408
Client: Environmental Plus, Inc. Attn: Pat McCasland						Report#/Lab II Project ID: 200	0#:124112 10-10833 Vacu	<b>Repor</b> m Gatheri	<b>t Date:</b> 0	1/04/02	
Address: 1324 M.St Po Box						Sample Name:	EVG121401BH	<b>I</b> 3-10'			
Eunice			Sample Matrix	: soil				.			
						Date Received:	12/19/2001	Time:	10:34		
Phone: (505) 394-3481 FAX:	(505) 394-2601					Date Sampled:	12/14/2001	Time:	11:20		
REPORT OF ANALYSIS	<u></u>						QUALITY	ASSURA	ANCE DA	ATA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	1620	mg/Kg	50	<50	12/29/01	8015 mod.		1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	1660	mg/Kg	50	<50	12/29/01	8015 mod.		6.8	81.5	101.1	117
Volatile organics-8260b/BTEX					12/28/01	8260b					1
Benzene	2080	μg/Kg	200	<200	12/28/01	8260b		2.1	105.1	114.4	121.5
Ethylbenzene	24400	µg/Kg	200	<200	12/28/01	8260ь		1.5	99.5	100.6	106.2

<200

<200

<200

12/28/01

12/28/01

12/28/01

200

200

200

µg/Kg

μg/Kg

μg/Kg

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Richard Laster

Richard Laster

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100.1

99.5

111

1.1

2

2

101

102.2

117.1

107

109

122.2

8260b

8260b

8260b

m,p-Xylenes

o-Xylene

Toluene

nt:	Environm
1;	Pat McCasland

Project ID: 2000-1085 Vacum Gathering Sample Name: EVG121401BH3-10'

Report#/Lab ID#: 124112 Sample Matrix: soil

FAX (512) 447-4766

(512) 444-5896

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# PORT OF SURROGATE RECOVERY

Plus, Inc.

rogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
robenzene-d5	8015 mod.	none/diluted	diluted @ 5X	D
erphenyl	8015 mod.	none/diluted	diluted @ 5X	D
-Dichloroethane-d4	8260b	none/diluted	diluted @ 10X	D
uene-d8	8260Ъ	none/diluted	diluted @ 10X	D
	1	1	1	1

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



## Sample Temperature/Condition <=6°C

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Parameter	Qualif	Comment
,2-Dichloroethane-d4 ,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.
litrobenzene-d5 litrobenzene-d5	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.
i-Terphenyl i-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.
`oluene-d8 `oluene-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.

## Comments pertaining to Data Qualifiers and QC data:

lotes:

						2209 N. (512) 44	Padre Island   4-5896 •	Dr., Corp FAX	ous Christi (512) 447-4	,/ 78	408
Client: Environmental Plus, Inc.						Report#/Lab ID	#: 124113	Repor	t Date: 0	1/04/02	
Attn: Pat McCasland						Project ID: 200	0-10833 Vacur	n Gatheri	ng		
Address: 1324 M.St Po Box						Sample Name: I	EVG121401BH	13-15'			
Eunice	NM 88231					Sample Matrix:	soil				1
						Date Received:	12/19/2001	Time:	10:34		
Phone: (505) 394-3481 FAX:	(505) 394-2601					Date Sampled:	12/14/2001	Time:	11:35		
REPORT OF ANALYSIS							QUALITY	ASSURA	NCE DA	TA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/29/01	8015 mod.		1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/29/01	8015 mod.	J	6.8	81.5	101.1	117
Volatile organics-8260b/BTEX					12/27/01	8260b					

<20

<20

<20

<20

<20

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Respectfully Submitted,

<20

<20

<20

<20

<20

µg/Kg

µg/Kg

µg/Kg

µg/Kg

µg/Kg

20

20

20

20

20

(RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedutes. 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 Richard Laster 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.

12/27/01

12/27/01

12/27/01

12/27/01

12/27/01

8260b

8260b

8260b

8260b

8260b

Richard Laster

Benzene

Ethylbenzene

m,p-Xylenes

o-Xylene

Toluene

103

99.9

102.2

100.4

105.2

6.6

2.8

2.6

3.6

8.9

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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

116.1

93.8

93.3

96.3

107.6

111.4

101.2

104.1

104

114.4

tal Plus, Inc. lient: Environ

Pat McCasland sttn:

(512) 444-5896

Project ID: 2000-10003 Vacum Gathering

Sample Name: EVG121401BH3-15'

FAX (512) 447-476 ٠

> Report#/Lab ID#: 124113 Sample Matrix: soil

## EPORT OF SURROGATE RECOVERY

urrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
litrobenzene-d5	8015 mod.	90.6	50-150	
-Terphenyl	8015 mod.	94.1	50-150	
,2-Dichloroethane-d4	8260b	118	65-115	X
'oluene-d8	8260Ъ	105	50-120	

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

## 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  $\leq 6^{\circ}$ 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 TNRCC-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 gasolinc)	1	See J-flag discussion above.
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	x x	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysis discretion.
lotes:		

4221 Freidrich Lane, Suite 190, Austin, TY 78744 & 2209 N. Padre Island Dr., Corpus Christi, inc. 78408 FAX (512) 447-4766 (512) 444-5896 Report Date: 01/04/02 Report#/Lab ID#: 124114 Client: Environmental Plus, Inc. Project ID: 2000-10833 Vacum Gathering Attn: Pat McCasland Sample Name: EVG121401BH3-20' Address: 1324 M.St Po Box 88231 Sample Matrix: soil NM Eunice Date Received: 12/19/2001 Time: 10:34 Date Sampled: 12/14/2001 Time: 11:55 FAX: (505) 394-2601 (505) 394-3481 Phone: **OUALITY\_ASSURANCE\_DATA1 REPORT OF ANALYSIS** 

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/29/01	8015 mod.		1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/29/01	8015 mod.	J	6.8	81.5	101.1	117
Volatile organics-8260b/BTEX		1			12/28/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/28/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	μg/Kg	20	<20	12/28/01	8260b	11	2.8	99.9	93.8	101.2
m,p-Xylenes	<20	μg/Kg	20	<20	12/28/01	8260b	ll	2.6	102.2	93.3	104.1
o-Xylene	<20	μg/Kg	20	<20	12/28/01	8260b		3.6	100.4	96.3	104
Toluene	<20	µg/Kg	20	<20	12/28/01	8260b		8.9	105.2	107.6	114.4

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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. M =Matrix interference.

Richard Laster **Richard Laster** 

(512) 444-5896 FAX (512) 447-476 •

lient: Environn ttn:

Pat McCasland

al Plus, Inc.

Project ID: 2000-10 Vacum Gathering Sample Name: EVG121401BH3-20'

Report#/Lab ID#: 124114 Sample Matrix: soil

## EPORT OF SURROGATE RECOVERY

urrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
litrobenzene-d5	8015 mod.	104	50-150	
-Terphenyl	8015 mod.	118	50-150	
,2-Dichloroethane-d4	8260b	122	65-115	Х
oluene-d8	8260b	101	50-120	

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

78408 2209 N. Padre Island Dr., Corpus Christi, L\_\_| 🖵 іпс. (512) 444-5896 FAX (512) 447-47 Report Date: 01/04/02 Report#/Lab ID#: 124115 Environmental Plus, Inc. Client: Project ID: 2000-10833 Vacum Gathering Pat McCasland Attn: Sample Name: EVG121401BH4-2 Address: 1324 M.St Po Box Sample Matrix: soil NM 88231 Eunice Date Received: 12/19/2001 **Time:** 10:34 Date Sampled: 12/14/2001 **Time:** 01:00 FAX: (505) 394-2601 (505) 394-3481 Phone: ASSURANCE DATA1 OUALITY

#### REPORT OF ANALYSIS RQL<sup>5</sup> Prec.<sup>2</sup> Recov.<sup>3</sup> CCV<sup>4</sup> LCS<sup>4</sup> Units Blank Date Method <sup>6</sup> Data Qual<sup>7</sup> Result Parameter <5 TPH by GC (as diesel) 18.4 5 12/29/01 8015 mod. 1.9 81 91.8 95.7 mg/Kg ---TPH by GC (as diesel-ext) 3540 12/26/01 ------------------------TPH by GC (as gasoline) mg/Kg 5 <5 12/29/01 8015 mod. 81.5 <5 6.8 101.1 117 ---Volatile organics-8260b/BTEX 12/28/01 8260b ---------------------Benzene <20 12/28/01 <20 μg/Kg 20 8260b 6.6 103 111.4 116.1 ---<20 μg/Kg <20 8260b Ethylbenzene 20 12/28/01 2.8 99.9 93.8 101.2 --m,p-Xylenes 12/28/01 µg/Kg <20 <20 20 8260b 2.6 102.2 93.3 104.1 --o-Xylene <20 µg/Kg <20 12/28/01 20 8260b 3.6 100.4 96.3 104 ---Toluene <20 µg/Kg 20 <20 12/28/01 8260b 8.9 105.2 107.6 114.4 ---

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Respectfully Submitted, Richard Laster

Richard Laster

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(512) 444-5896 ٠

FAX (512) 447-4766

Report#/Lab ID#: 124115 Sample Matrix: soil

## PORT OF SURROGATE RECOVERY

rrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
robenzene-d5	8015 mod.	68.3	50-150	
erphenyl	8015 mod.	84.1	50-150	
-Dichloroethane-d4	8260b	120	65-115	X
luene-d8	8260b	109	50-120	

Project ID: 2000-108. Vacum Gathering

Sample Name: EVG121401BH4-2'

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

Plus, Inc. Environm ient: Pat McCasland tn:

#:124115 Matrix:soil Report #/Lab Client: Environmental Plus, Inc. Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH4-2'

Attn: Pat McCasland



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 TNRCC-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 OC data:

Parameter	Qualif	Comment
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	X X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.
Notes:		

notes

Client:	Environmental Plus,	Inc.			
Attn:	Pat McCasland				
Address:	1324 M.St Po Box				
1	Eunice			NM	88231
Phone:	(505) 394-3481	FAX:	(505)	394-2	601

## **REPORT OF ANALYSIS**

4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi 78408 (512) 444-5896 • FAX (512) 447-4

<b>Report#/Lab ID#: 124116</b> Report Date: 01/04/02
Project ID: 2000-10833 Vacum Gathering
Sample Name: EVG121401BH4-5'
Sample Matrix: soil
Date Received: 12/19/2001 Time: 10:34
Date Sampled: 12/14/2001 Time: 01:45

## QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/29/01	8015 mod.		1.9	81	91.8	95.7
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/29/01	8015 mod.	J	6.8	81.5	101.1	117
Volatile organics-8260b/BTEX					12/28/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/28/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	µg/Kg	20	<20	12/28/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	<20	µg/Kg	20	<20	12/28/01	8260b		2.6	102.2	93.3	104.1
o-Xylene	<20	µg/Kg	20	<20	12/28/01	8260b		3.6	100.4	96.3	104
Toluene	<20	µg/Kg	20	<20	12/28/01	8260b		8.9	105.2	107.6	114.4

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Richard Laster

**Richard Laster** 

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Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH4-5' (512) 444-5896 • FAX (512) 447-4766

Report#/Lab ID#: 124116 Sample Matrix: soil

## EPORT OF SURROGATE RECOVERY

urrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
litrobenzene-d5	8015 mod.	85.8	50-150	
-Terphenyl	8015 mod.	99.9	50-150	
,2-Dichloroethane-d4	8260b	125	65-115	Х
'oluene-d8	8260b	103	50-120	

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

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 TNRCC-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.
1,2-Dichloroethane-d4 1,2-Dichloroethane-d4	X X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.
Notos		

Notes:
1 1 L I L Y **L** 

Client:	Environmental Plus,	Inc.			
Attn:	Pat McCasland				
Address:	1324 M.St Po Box				
	Eunice		NM	88231	
Phone:	(505) 394-3481	FAX: (	505) 394-2	601	

### **REPORT OF ANALYSIS**

4221 Freidrich Lane, Suite 190, Austin, TX\_ 78744 & 2209 N. Padre Island Dr., Corpus Christi 78408 (512) 444-5896 FAX (512) 447-47

# **OUALITY ASSURANCE DATA<sup>1</sup>**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.4
Volatile organics-8260b/BTEX					12/28/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/28/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	µg/Kg	20	<20	12/28/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	<20	μg/Kg	20	<20	12/28/01	8260b		2.6	102.2	93.3	104.1
o-Xylene	<20	μg/Kg	20	<20	12/28/01	8260b		3.6	100.4	96.3	104
Toluene	<20	μg/Kg	20	<20	12/28/01	8260b		8.9	105.2	107.6	114.4

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Respectfully Submitted,

Richard Laster Richard Laster

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----

Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH4-10 (512) 444-5896 • FAX (512) 447-4766

Report#/Lab ID#: 124117 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	51.8	50-150	
p-Terphenyl	8015 mod.	111	50-150	
1,2-Dichloroethane-d4	8260b	115	65-115	
Toluene-d8	8260b	108	50-120	

<b>L</b> /"			4221 Freidric 2209 N. Padu (512) 444-589
Client:	Environmental Pl	us, Inc.	Report#/Lab ID#: 12
Attn:	Pat McCasland		<b>Project ID: 2000-108</b>
Address	: 1324 M.St Po Bo	x	Sample Name: EVG
	Eunice	NM 88231	Sample Matrix: soil
			Date Received: 12/1
Phone:	(505) 394-3481	FAX: (505) 394-2601	Date Sampled: 12/1

### **REPORT OF ANALYSIS**

ch Lane, Suite 190, Austin, 🎞 78744 & re Island Dr., Corpus Christ X 78408 FAX (512) 447-4706

Report#/Lab ID#: 124118	Report Date: 01/04/02					
Project ID: 2000-10833 Vacu	m Gathering					
Sample Name: EVG121401BH4-15						
Sample Matrix: soil						
Date Received: 12/19/2001	<b>Time:</b> 10:34					
Date Sampled: 12/14/2001	<b>Time:</b> 02:25					

# **OUALITY ASSURANCE DATA<sup>1</sup>**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.4
Volatile organics-8260b/BTEX					12/28/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/28/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	µg/Kg	20	<20	12/28/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	<20	μg/Kg	20	<20	12/28/01	8260b		2.6	102.2	93.3	104.1
o-Xylene	<20	µg/Kg	20	<20	12/28/01	8260b		3.6	100.4	96.3	104
Toluene	<20	µg/Kg	20	<20	12/28/01	8260Ъ		8.9	105.2	107.6	114.4

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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. Attn: Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH4-15 (512) 444-5896 • FAX (512) 447-4766

Report#/Lab ID#: 124118 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	79.7	50-150	
p-Terphenyl	8015 mod.	93.2	50-150	
1,2-Dichloroethane-d4	8260b	98.1	65-115	
Toluene-d8	8260b	109	50-120	

LI''			4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi (512) 444-5896 • FAX (512) 447-47-6
Client:	Environmental Plus, Inc.		Report#/Lab ID#: 124119 Report Date: 01/04/02
Attn:	Pat McCasland		Project ID: 2000-10833 Vacum Gathering
Address	: 1324 M.St Po Box		Sample Name: EVG121401BH5-2'
	Eunice	NM 88231	Sample Matrix: soil
ł			Date Received: 12/19/2001 Time: 10:34
Phone:	(505) 394-3481 FAX:	(505) 394-2601	Date Sampled: 12/14/2001 Time: 02:35
	T OF ANALVEIS		OUALTEV ASSUDANCE DATA1

#### REPORT OF ANALYSIS

QUALITY ASSURANCE DATA

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.4
Volatile organics-8260b/BTEX					12/28/01	8260b					
Benzcne	<20	µg/Kg	20	<20	12/28/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	µg/Kg	20	<20	12/28/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	<20	µg/Kg	20	<20	12/28/01	8260b		2.6	102.2	93.3	104.1
o-Xylene	<20	µg/Kg	20	<20	12/28/01	8260b		3.6	100.4	96.3	104
Toluene	<20	µg/Kg	20	<20	12/28/01	8260b		8.9	105.2	107.6	114.4

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted,

Richard Laster

Richard Laster

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Inc.

Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH5-2' Report#/Lab ID#: 124119 Sample Matrix: soil

FAX (512) 447-4766

2209 N. Padre Island Dr., Corpus Christi, TX 7840408

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(512) 444-5896

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	102	50-150	
o-Terphenyl	8015 mod.	127	50-150	
1,2-Dichloroethane-d4	8260b	99.4	65-115	
Toluene-d8	8260Ъ	113	50-120	

		4221       Freidrich Lane, Suite 190, Austin, TX       78744 &         2209       N. Padre Island Dr., Corpus Christian       78408         (512)       444-5896       •       FAX       (512)       447-47-00
Client: Environmental Plus	s, Inc.	Report#/Lab ID#: 124120 Report Date: 01/04/02
Attn: Pat McCasland		Project ID: 2000-10833 Vacum Gathering
Address: 1324 M.St Po Box		Sample Name: EVG121401BH5-5'
Eunice	NM 88231	Sample Matrix: soil
		Date Received: 12/19/2001 Time: 10:34
<b>Phone:</b> (505) 394-3481	FAX: (505) 394-2601	Date Sampled: 12/14/2001 Time: 02:45
REPORT OF ANALYSIS		QUALITY ASSURANCE DATA <sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
ГРН by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.4
Volatile organics-8260b/BTEX					12/28/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/28/01	8260b		2.1	105.1	114.4	121.5
Ethylbenzene	<20	µg/Kg	20	<20	12/28/01	8260b		1.5	99.5	100.6	106.2
m,p-Xylenes	<20	µg/Kg	20	<20	12/28/01	8260b		1.1	100.1	101	107
o-Xylene	<20	µg/Kg	20	<20	12/28/01	8260b	ll	2	99.5	102.2	109
Toluene	<20	μg/Kg	20	<20	12/28/01	8260b		2	111	117.1	122.2

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted,

Richard Laster

Richard Laster

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Venera &

Client: Environmental Plus, Inc. Attn: Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH5-5' 
 2209 N. Padre Island Dr., Corpus Christi, TX 7840408

 (512) 444-5896
 FAX (512) 447-476

Report#/Lab ID#: 124120 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	112	50-150	
p-Terphenyl	8015 mod.	124	50-150	
1,2-Dichloroethane-d4	8260b	99.1	65-115	
Toluene-d8	8260b	101	50-120	

Client:	Environmental Plus, Inc.		
Attn:	Pat McCasland		
Address:	1324 M.St Po Box		
	Eunice	NM	88231

# **REPORT OF ANALYSIS**

(505) 394-3481

Phone:

4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christ 78408 (512) 444-5896 FAX (512) 447-4706

Report#/Lab ID#: 124121	<b>Report Date:</b> 01/04/02
Project ID: 2000-10833 Vacur	n Gathering
Sample Name: EVG121401BH	15-10'
Sample Matrix: soil	
Date Received: 12/19/2001	<b>Time:</b> 10:34
Date Sampled: 12/14/2001	<b>Time:</b> 03:00

# **OUALITY ASSURANCE DATA<sup>1</sup>**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov?	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.
Volatile organics-8260b/BTEX					12/28/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/28/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	μg/Kg	20	<20	12/28/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	<20	µg/Kg	20	<20	12/28/01	8260b		2.6	102.2	93.3	104.1
o-Xylene	<20	μg/Kg	20	<20	12/28/01	8260b		3.6	100.4	96.3	104
Toluene	<20	μg/Kg	20	<20	12/28/01	8260b		8.9	105.2	107.6	114.4

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FAX: (505) 394-2601

Respectfully Submitted,

Richard Laster Richard Laster

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Client: Environmental Plus, Inc. Attn: Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121401BH5-10' (512) 444-5896 • FAX (512) 447-4766

4409 IN. Faure Island Dr., Corpus Christi, TX 7840408

Report#/Lab ID#: 124121 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	75	50-150	
p-Terphenyl	8015 mod.	77.4	50-150	
1,2-Dichloroethane-d4	8260b	116	65-115	Х
Toluene-d8	8260b	118	50-120	

Attn: Pat McCasland

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  $\leq 6^{\circ}$ 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

S 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 TNRCC-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	X X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.

Notes:

4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christ X 78408 FAX (512) 447-4706 (512) 444-5896 .

Report#/Lab ID#: 124122	<b>Report Date: 01/04/02</b>
Project ID: 2000-10833 Vacu	um Gathering
Sample Name: EVG121401B	H5-15'
Sample Matrix: soil	
Date Received: 12/19/2001	<b>Time:</b> 10:34
Date Sampled: 12/14/2001	<b>Time:</b> 03:15

# **<u>OUALITY ASSURANCE DATA</u><sup>1</sup>**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.4
Volatile organics-8260b/BTEX					12/28/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/28/01	8260b		6.6	103	116.1	111.4
Ethylbenzene	<20	µg/Kg	20	<20	12/28/01	8260b		2.8	99.9	93.8	101.2
m,p-Xylenes	<20	µg/Kg	20	<20	12/28/01	8260b		2.6	102.2	93.3	104.1
o-Xylene	<20	µg/Kg	20	<20	12/28/01	8260b		3.6	100.4	96.3	104
Toluene	<20	μg/Kg	20	<20	12/28/01	8260b		8.9	105.2	107.6	114.4
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 @											

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Respectfully Submitted, Richard Laster

**Richard Laster** 

4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are ered from a spiked sample. 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.



Client:

Attn:

FAX: (505) 394-2601

NM 88231

**REPORT OF ANALYSIS** 

Address: 1324 M.St Po Box

Environmental Plus, Inc.

Eunice

#### (505) 394-3481 Phone:

Pat McCasland

Client: Enviromental Plus, Inc. Attn: Pat McCasland

-

(512) 444-5896

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FAX (512) 447-4766

Report#/Lab ID#: 124122 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	62.2	50-150	
p-Terphenyl	8015 mod.	123	50-150	
1,2-Dichloroethane-d4	8260b	118	65-115	X
Toluene-d8	8260b	110	50-120	

Project ID: 2000-1-033 Vacum Gathering

Sample Name: EVG121401BH5-15'

Report #/Lab124122Matrix: soilClient: Environmental Plus, Inc.AProject ID: 2000-10833Vacum GatheringSample Name: EVG121401BH5-15'

Attn: Pat McCasland

#### 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  $\leq 6^{\circ}$ 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 TNRCC-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	X X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.

Notes:

Client:	Environmental Plus, Inc.	
Attn:	Pat McCasland	
Address:	1324 M.St Po Box	
	Eunice	NM

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

### REPORT OF ANALYSIS

4221 Freidrich Lane, Suite 190, Austin, TX, 78744 & 2209 N. Padre Island Dr., Corpus Christof 78408 (512) 444-5896 • FAX (512) 447-4760

Report#/Lab ID#: 12412	23 <b>Report Date:</b> 01/04/02							
Project ID: 2000-10833	Project ID: 2000-10833 Vacum Gathering							
Sample Name: EVG121	701BH6-2'							
Sample Matrix: soil								
Date Received: 12/19/20	001 <b>Time:</b> 10:34							
Date Sampled: 12/17/20	001 <b>Time:</b> 07:30							

### QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.4
Volatile organics-8260b/BTEX					12/30/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/30/01	8260b		2.1	105.1	114.4	121.5
Ethylbenzene	<20	µg/Kg	20	<20	12/30/01	8260b		1.5	99.5	100.6	106.2
m,p-Xylenes	<20	µg/Kg	20	<20	12/30/01	8260b		1.1	100.1	101	107
o-Xylene	<20	μg/Kg	20	<20	12/30/01	8260b		2	99.5	102.2	109
Toluene	<20	μg/Kg	20	<20	12/30/01	8260b		2	111	117.1	122.2
This analytical report is respectfully submitted by Anal	ySys, Inc. The	enclosed result	s 1. Qua	lity assurance d	ata is for the s	ample batch which include	led this sample.	2. Precisio	on (PREC) is	the absolu	ite value

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted,

88231

Richard Laster

Richard Laster

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Client:	Environmental Plus,	nvironmental Plus, Inc.						
Attn:	Pat McCasland							
Address:	1324 M.St Po Box							
	Eunice		NM	88231				
Phone:	(505) 394-3481	FAX: (50.	5) 394-2	2601				

# **REPORT OF ANALYSIS**

4221 Freidrich Lane, Suite 190, Austin, TY 78744 & 78408 2209 N. Padre Island Dr., Corpus Christ (512) 444-5896 • FAX (512) 447-4766

Report#/Lab ID#: 124124	Report Date: 01/04/02
Project ID: 2000-10833 Vacum G	athering
Sample Name: EVG121701BH6-5	5'
Sample Matrix: soil	
Date Received: 12/19/2001 T	ime: 10:34
Date Sampled: 12/17/2001 T	ime: 07:45

# **OUALITY ASSURANCE\_DATA1**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.4
Volatile organics-8260b/BTEX					12/30/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/30/01	8260b		2.1	105.1	114.4	121.5
Ethylbenzene	<20	µg/Kg	20	<20	12/30/01	8260b		1.5	99.5	100.6	106.2
m,p-Xylenes	<20	μg/Kg	20	<20	12/30/01	8260b		1.1	100.1	101	107
o-Xylene	<20	μg/Kg	20	<20	12/30/01	8260b		2	99.5	102.2	109
Toluene	<20	μg/Kg	20	<20	12/30/01	8260b	ļ	2	111	117.1	122.2

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Lester **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). SI =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.

						4221 Fro 2209 N. (512) 44	eidrich Lane, Padre Island 4-5896 •	Suite 190 Dr., Cor FAX	), Austin, pus Christi (512) 447-4	TX 7874	44 & 8408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box						Report#/Lab ID Project ID: 2000 Sample Name:E	#: 124125 D-10833 Vacu EVG121701B1	<b>Repo</b> r m Gather 16-10'	rt Date: 0 ing	1/04/02	
Eunice Phone: (505) 394-3481 FAX: (505)	NM 88231 394-2601					Sample Matrix: Date Received: Date Sampled:	soil 12/19/2001 12/17/2001	Time: Time:	10:34 08:15		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	<u>ATA</u> 1	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.4
Volatile organics-8260b/BTEX					12/30/01	8260b					
Benzene	<20	μg/Kg	20	<20	12/30/01	8260b		2.1	105.1	114.4	121.5
Ethylbenzene	<20	µg/Kg	20	<20	12/30/01	8260b		1.5	99.5	100.6	106.2
m,p-Xylenes	<20	µg/Kg	20	<20	12/30/01	8260b		1.1	100.1	101	107
o-Xylcne	<20	µg/Kg	20	<20	12/30/01	8260b		2	99.5	102.2	109
Toluene	<20	μg/Kg	20	<20	12/30/01	8260b		2	111	117.1	122.2
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my kr are consistent with AnalySys, Inc.'s Quality Assuranc Copyright 2000, AnalySys, Inc., Austin, TX. All rig publication may be reproduced or transmitted in any f express written consent of AnalySys, Inc.	hlySys, Inc. The lowledge, the anz le/Quality Contro hts reserved. No orm or by any m lespectfully Su	enclosed resul ilytical results of Program. © o part of this eans without th ibmitted,	ts 1. Qua of the recove expres (RQL) typical	lity assurance of relative percent ared from a spik sed as the perce by typically at o lly denote USEI	lata is for the s. (%) difference ed sample. ent (%) recover r above the Pra PA procedures.	ample batch which includ between duplicate measu 4. Calibration Verificatio y of analyte from a know ctical Quantitation Limit Less than ("<") values re	ded this sample. rements. 3. Rec on (CCV) and Lat n standard or mat (PQL) of the and effect nominal qua	2. Precision overy (Reconstruction oratory Construction rix. 5. Reconstruction of the second	on (PREC) is cov.) is the pe portrol Sample eporting Quar thod. 6. Mo mits adjusted	the absolu rcent (%) o 2 (LCS) res ntitation Li 2thod num 1 for any re	ite value of analyte sults are imits bers quired

Richard Laster **Richard Laster** 

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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# , INC.

Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121701BH6-10' (512) 444-5896 • FAX (512) 447-4766

2209 N. Padre Island Dr., Corpus Christi, TX\_7840408

Report#/Lab ID#: 124125 Sample Matrix: soil

# EPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	73.2	50-150	
o-Terphenyl	8015 mod.	117	50-150	
.,2-Dichloroethane-d4	8260b	103	65-115	
Foluene-d8	8260b	108	50-120	

Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice Phone: (505) 394-3481 FAX: (50	NM 88231 05) 394-2601					Report#/Lab ID Project ID: 200 Sample Name: J Sample Matrix: Date Received: Date Sampled:	0#: 124126 0-10833 Vacu EVG121701B1 soil 12/19/2001 12/17/2001	Repo m Gather H6-15' Time: Time:	rt Date: 0 ing 10:34 08:25	1/04/02	
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	<u>\TA</u> 1	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.4
Volatile organics-8260b/BTEX					12/30/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/30/01	8260b		2.1	105.1	114.4	121.5
Ethylbenzene	<20	μg/Kg	20	<20	12/30/01	8260b		1.5	99.5	100.6	106.2
m,p-Xylenes	<20	μg/Kg	20	<20	12/30/01	8260b		1.1	100.1	101	107
o-Xylene	<20	µg/Kg	20	<20	12/30/01	8260b		2	99.5	102.2	109
Toluene	<20	μg/Kg	20	<20	12/30/01	8260b		2	111	117.1	122.2
This analytical report is respectfully submitted by have been carefully reviewed and, to the best of my are consistent with AnalySys, Inc.'s Quality Assur Copyright 2000, AnalySys, Inc., Austin, TX. All publication may be reproduced or transmitted in ar express written consent of AnalySys, Inc.	AnalySys, Inc. The knowledge, the and ance/Quality Contro rights reserved. No y form or by any m Respectfully Su	enclosed result alytical results of Program. © o part of this eans without th ubmitted, faster	e (RQL) typical dilutio associa	lity assurance of relative percent ared from a spik sed as the percent typically at o ly denote USEF ns. 7. Data Qu ated method ba	ata is for the si (%) difference ed sample. nt (%) recovery r above the Pra PA procedures. nalifiers are J = nk(s). S1 = MS	ample batch which inclu between duplicate meass 4. Calibration Verification y of analyte from a know ctical Quantitation Limi Less than ("<") values r analyte potentially press 5 and/or MSD recovery e	ded this sample. arements. 3. Rec on (CCV) and Lal on standard or mar t (PQL) of the an- eflect nominal qu- ent between the P exceed advisory li	2. Precisi covery (Rec boratory Ca trix. 5. Re alytical me antitation li QL and the mits. S2 =	on (PREC) is cov.) is the pe portrol Sample cporting Quar thod. 6. Me imits adjusted MDL. B = A Post digestion	the absolutreent (%) of the (LCS) resentitation Lite thod number of any re- construction of the any re- construction of the absolute of the the spike (PE	nte value of analyte sults are mits pers quired ected in DS)

than advisory limit. M =Matrix interference.

Richard Laster

recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher

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Client: Environmental Plus, Inc. Pat McCasland Attn:

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121701BH6-15'

FAX (512) 447-476 Report#/Lab ID#: 124126

2209 IN. Faure Island Dr., Corpus Christi, TX 7840408

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(512) 444-5896

Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	75	50-150	
p-Terphenyl	8015 mod.	93.5	50-150	
1,2-Dichloroethane-d4	8260b	110	65-115	
Toluene-d8	8260b	102	50-120	

						4221 Fr 2209 N. (512) 44	eidrich Lane, Padre Island 4-5896	Suite 190 Dr., Cor FAX	), Austin, pus Christi (512) 447-4	7874 4766	14 & 8408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:1324 M.St Po Box EunicePhone:(505) 394-3481FAX:	NM 88231 394-2601					Report#/Lab ID Project ID: 200 Sample Name: H Sample Matrix: Date Received: Date Sampled:	#: 124127 0-10833 Vacut EVG121701BF soil 12/19/2001 12/17/2001	Repor m Gather I7-2 Time: Time:	rt Date: 0 ing 10:34 09:00	1/04/02	
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	ATA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.4
Volatile organics-8260b/BTEX					12/30/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/30/01	8260b		2.1	105.1	114.4	121.5
Ethylbenzene	<20	µg/Kg	20	<20	12/30/01	8260b		1.5	99.5	100.6	106.2
m,p-Xylenes	<20	μg/Kg	20	<20	12/30/01	8260b		1.1	100.1	101	107
o-Xylene	<20	μg/Kg	20	<20	12/30/01	8260b		2	99.5	102.2	109
Toluene	<20	μg/Kg	20	<20	12/30/01	8260b		2	111	117.1	122.2
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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted, Richard Laster Richard Laster						ample batch which inclu- between duplicate measu 4. Calibration Verification y of analyte from a know actical Quantilation Limin Less than ("<") values re- analyte potentially preses S and/or MSD recovery e =MS and/or MSD and Ple reference.	ded this sample. arements. 3. Rec on (CCV) and Lat n standard or mat t (PQL) of the and effect nominal que ent between the Po- xceed advisory lind DS recoveries exc	2. Precision overy (Reconstruction of the construction of the cons	on (PREC) is cov.) is the pe- portrol Sample eporting Quar- thod. 6. Me mits adjusted MDL. B = A Post digestion ry limits. P =	the absolu rcent (%) of (LCS) resolution Li (thod number for any re Analyte det of spike (PE Precision	ite value of analyte sults are mits pers quired ected in DS) higher

Testant #

Client: Environmental Plus, Inc. Attn: Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121701BH7-2 (512) 444-5896 • FAX (512) 447-4766

Report#/Lab ID#: 124127 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

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Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	59	50-150	
o-Terphenyl	8015 mod.	109	50-150	
1,2-Dichloroethane-d4	8260b	123	65-115	X
Foluene-d8	8260b	112	50-120	

Attn: Pat McCasland

### 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  $\leq 6^{\circ}$ 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

where provide a support

A J flag data qualifier indicates (as required under TNRCC-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	X X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.

#### Notes:

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Client:	Environmental Plus, Inc.		
Attn:	Pat McCasland		
Address:	1324 M.St Po Box		
	Eunice	NM	88231

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

# **REPORT OF ANALYSIS**

78744 & 4221 Freidrich Lane, Suite 190, Austin, TX 2209 N. Padre Island Dr., Corpus Christi 78408 (512) 444-5896 • FAX (512) 447-4700

1	Report#/Lab ID#: 124128	<b>Report Date: 01/04/02</b>
	Project ID: 2000-10833 Vacur	n Gathering
l	Sample Name: EVG121701BH	[7-5]
	Sample Matrix: soil	
	Date Received: 12/19/2001	<b>Time:</b> 10:34
	Date Sampled: 12/17/2001	<b>Time:</b> 09:25

# **QUALITY ASSURANCE DATA**<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.4
Volatile organics-8260b/BTEX					12/30/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/30/01	8260b		2.1	105.1	114.4	121.5
Ethylbenzene	<20	μg/Kg	20	<20	12/30/01	8260b		1.5	99.5	100.6	106.2
m,p-Xylenes	<20	μg/Kg	20	<20	12/30/01	8260Ъ		1.1	100.1	101	107
o-Xylene	<20	µg/Kg	20	<20	12/30/01	8260b		2	99.5	102.2	109
Toluene	<20	µg/Kg	20	<20	12/30/01	8260b		2	111	117.1	122.2
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results											

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Respectfully Submitted,

Richard Laster **Richard Laster** 

(%) 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 POL 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. Attn: Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121701BH7-5' (512) 444-5896 • FAX (512) 447-4766

may in Laure Island Mr., Corpus Christi, IA /840408

Report#/Lab ID#: 124128 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	72.1	50-150	
p-Terphenyl	8015 mod.	66.5	50-150	
1,2-Dichloroethane-d4	8260b	119	65-115	X
Toluene-d8	8260Ь	119	50-120	

Attn: Pat McCasland

### 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.

#### I flag Discussion

A J flag data qualifier indicates (as required under TNRCC-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	X X	Surrogate recovery outside advisory/acceptance limits. Typically verified by reanalysis or reextraction & reanalysis. In some well known matrices (sample sources with known interferences) and for some conditions, reextraction and/or reanalysis may be at analysts discretion.

#### Notes:

Client:	Environmental Plus, Inc.
Attn:	Pat McCasland
	1204 M Ct D- D-H

Address: 1324 M.St Po Box

Eunice NM 88231

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

# REPORT OF ANALYSIS

4221 Freidrich Lanc, Suite 190, Austin, Tr. 78744 & 2209 N. Padre Island Dr., Corpus Christian, 78408 (512) 444-5896 • FAX (512) 447-4766

Report#/Lab ID#: 124129	Report Date: 01/04/02
Project ID: 2000-10833 Vacum	Gathering
Sample Name: EVG12171BH7-	-10'
Sample Matrix: soil	
Date Received: 12/19/2001	<b>Time:</b> 10:34
Date Sampled: 12/17/2001	<b>Time:</b> 09:40

# QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.	J	24.1	81.9	119.4	122
Volatile organics-8260b/BTEX					12/30/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/30/01	8260b		2.1	105.1	114.4	121.5
Ethylbenzene	<20	µg/Kg	20	<20	12/30/01	8260b		1.5	99.5	100.6	106.2
m,p-Xylenes	<20	μg/Kg	20	<20	12/30/01	8260b		1.1	100.1	101	107
o-Xylene	<20	μg/Kg	20	<20	12/30/01	8260b		2	99.5	102.2	109
Toluene	<20	µg/Kg	20	<20	12/30/01	8260b		2	111	117.1	122.2

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

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. M =Matrix interference.

INC.

**See 1** 

Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG12171BH7-10'

Report#/Lab ID#: 124129 Sample Matrix: soil

FAX (512) 447-476

2209 N. Padre Island Dr., Corpus Christi, TX 7840408

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(512) 444-5896

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	91.9	50-150	
p-Terphenyl	8015 mod.	112	50-150	
1,2-Dichloroethane-d4	8260b	111	65-115	
Toluene-d8	8260b	111	50-120	

Report #/Lab 1:124129 Matrix:soil Client: Environmental Plus, Inc. Project ID: 2000-10833 Vacum Gathering Sample Name: EVG12171BH7-10'

Attn: Pat McCasland



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  $\leq 6^{\circ}$ 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 TNRCC-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 (cg. 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.
Notes:		

						4221 Fro 2209 N. (512) 44	eidrich Lane, Padre Island 4-5896 •	Suite 190 Dr., Corj FAX	, Austin, 7 pus Christi (512) 447-4	12 7874 78 1706 78	14 & 3408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:1324 M.St Po Box EuniceFuniceNM 88231Phone:(505) 394-3481FAX:(505) 394-2601						Report#/Lab ID Project ID: 2000 Sample Name: E Sample Matrix: Date Received: Date Sampled:	#: 124130 D-10833 Vacuu EVG121701BF soil 12/19/2001 12/17/2001	Repor m Gather 17-15' Time: Time:	rt Date: 0 ing 10:34 10:00	1/04/02	
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	MTA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>3</sup>	Blank	Date	Method <sup>o</sup>	Data Qual'	Prec. <sup>4</sup>	Recov?	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.	J	24.1	81.9	119.4	122.
Volatile organics-8260b/BTEX					12/31/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/31/01	8260b		2.1	105.1	114.4	121.5
Ethylbenzene	<20	µg/Kg	20	<20	12/31/01	8260b		1.5	99.5	100.6	106.2
m,p-Xylenes	<20	µg/Kg	20	<20	12/31/01	8260b		1.1	100.1	101	107
o-Xylene	<20	μg/Kg	20	<20	12/31/01	8260b		2	99.5	102.2	109
Toluene	<20	μg/Kg	20	<20	12/31/01	8260b		2	111	117.1	122.2
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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted, Richard Laster I. Richard Laster											

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Client: Environmental Plus, Inc. Attn: Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121701BH7-15' (512) 444-5896 • FAX (512) 447-476

Report#/Lab ID#: 124130 Sample Matrix: soil

# **REPORT OF SURROGATE RECOVERY**

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	98.9	50-150	
p-Terphenyl	8015 mod.	50-150		
1,2-Dichloroethane-d4	8260b	112	65-115	
Toluene-d8	8260b	103	50-120	

Attn: Pat McCasland

## 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  $\leq 6$ °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 TNRCC-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.
Notes:		

4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 1 L. I L. T L. 2209 N. Padre Island Dr., Corpus Christi (512) 444-5896 FAX (512) 447-4 Report Date: 01/04/02 Report#/Lab ID#: 124131 Environmental Plus, Inc. Client: Project ID: 2000-10833 Vacum Gathering Pat McCasland Attn: Sample Name: EVG121701BH8-2' Address: 1324 M.St Po Box Sample Matrix: soil 88231 Eunice NM Date Received: 12/19/2001 Time: 10:34 Date Sampled: 12/17/2001 Time: 10:20 (505) 394-3481 FAX: (505) 394-2601 Phone:

### **REPORT OF ANALYSIS**

### **QUALITY ASSURANCE DATA1**

78408

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	6610	mg/Kg	50	<50	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	2240	mg/Kg	50	<50	12/28/01	8015 mod.		24.1	81.9	119.4	122.
Volatile organics-8260b/BTEX					12/31/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/31/01	8260b	J	2.1	105.1	114.4	121.5
Ethylbenzene	666	μg/Kg	20	<20	12/31/01	8260b		1.5	99.5	100.6	106.2
m,p-Xylenes	972	μg/Kg	20	<20	12/31/01	8260b		1.1	100.1	101	107
o-Xylene	2280	μg/Kg	20	<20	12/31/01	8260b		2	99.5	102.2	109
Toluene	538	µg/Kg	20	<20	12/31/01	8260b		2	111	117.1	122.2

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. @ Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted,

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.

Richard Laster **Richard Laster** 

Client: Environmental Plus, Inc. Attn: Pat McCasland (512) 444-5896 • FAX (512) 447-476

Report#/Lab ID#: 124131 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 5X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 5X	Ď
1,2-Dichloroethane-d4	8260b	115	65-115	
Toluene-d8	8260b	101	50-120	

Project ID: 2000-10833 Vacum Gathering

Sample Name: EVG121701BH8-2'

Attn: Pat McCasland

# Sample Temperature/Condition <=6°C

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□ Sample received in appropriate container(s). State of sample preservation unknown.

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### J flag Discussion

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# Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Benzene	J	See J-flag discussion above.
Nitrobenzene-d5 Nitrobenzene-d5	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.
Nistant	A	

Notes:

						4221 Fr 2209 N. (512) 44	eidrich Lane, Padre Island 4-5896 •	Suite 190 Dr., Corj FAX	, Austin, ' pus Christ (512) 447-	FX 7874	14 & 8408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice Phone: (505) 394-3481 FAX: (503)					Report#/Lab ID#: 124132       Report Date: 01/04/02         Project ID: 2000-10833       Vacum Gathering         Sample Name: EVG121701BH8-5'         Sample Matrix: soil         Date Received: 12/19/2001       Time: 10:34         Date Sampled: 12/17/2001       Time: 01:40						
REPORT OF ANALYSIS							QUALITY	<u>ASSUR</u> A	ANCE DA	<u>ATA</u> 1	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	1770	mg/Kg	50	<50	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	891	mg/Kg	50	<50	12/28/01	8015 mod.		24.1	81.9	119.4	122.
Volatile organics-8260b/BTEX					12/31/01	8260b					
Benzene	33.6	µg/Kg	20	<20	12/31/01	8260b		11.8	107.5	100.6	113.5
Ethylbenzene	5170	µg/Kg	20	<20	12/31/01	8260b		0.5	90.4	88.4	98.7
m,p-Xylenes	12200	μg/Kg	100	<100	12/31/01	8260b		0.7	90.2	90	99.4
o-Xylene	7750	μg/Kg	20	<20	12/31/01	8260b		1	91.3	90.8	100.5
Toluene	5330	µg/Kg	20	<20	12/31/01	8260b		10.8	106.8	98.4	114.7
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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted, Respectfully Submitted, To the Distribution of the procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are the procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are the procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are the procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are the procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are the procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are the procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are the procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are the procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are the procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are the procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are the procedures. Less than											

Richard Laster Richard Laster

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.
See I

JINC.

Client: Environmental Plus, Inc. Attn: Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121701BH8-5' 
 2209 N. Padre Island Dr., Corpus Christi, TX 7840408

 (512) 444-5896
 FAX (512) 447-476

Report#/Lab ID#: 124132 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 5X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	109	65-115	
Toluene-d8	8260b	98.8	50-120	

Attn: Pat McCasland

### 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  $\leq 6^{\circ}$ 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
Nitrobenzene-d5 Nitrobenzene-d5	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.
Notes:	<u> </u>	

						4221 Fr 2209 N. (512) 44	eidrich Lane, Padre Island 4-5896 •	Suite 19( Dr., Cor FAX	), Austin, ' pus Christi (512) 447-4	TX 7874 4766 7	44 & 8408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice Phone: (505) 394-3481 FAX:	NM 88231 (505) 394-2601	Report#/Lab ID#: 124133       Report Date: 01/04/02         Project ID: 2000-10833       Vacum Gathering         Sample Name: EVG121701BH8-10'         Sample Matrix: soil         Date Received: 12/19/2001         Time: 10:34         Date Sampled: 12/17/2001									
REPORT OF ANALYSIS						<u></u>	QUALITY	ASSUR	ANCE DA	ATA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	22.3	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		24.1	81.9	119.4	122.
Volatile organics-8260b/BTEX					12/31/01	8260b					
Benzene	<20	μg/Kg	20	<20	12/31/01	8260b		2.1	105.1	114.4	121.5
Ethylbenzene	<20	μg/Kg	20	<20	12/31/01	8260b		1.5	99.5	100.6	106.2
m,p-Xylenes	<20	μg/Kg	20	<20	12/31/01	8260b	ll	1.1	100.1	101	107
o-Xylene	<20	µg/Kg	20	<20	12/31/01	8260b		2	99.5	102.2	109
Toluene	<20	µg/Kg	20	<20	12/31/01	8260b		2	111	117.1	122.2

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Richard Laste

**Richard Laster** 

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1

Client: Environmental Plus, Inc. Pat McCasland Attn:

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121701BH8-10'

FAX (512) 447-4766 Report#/Lab ID#: 124133

2209 N. Padre Island Dr., Corpus Christi, TX 7840408

.

(512) 444-5896

Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	93.6	50-150	
p-Terphenyl	8015 mod.	139	50-150	
1,2-Dichloroethane-d4	8260b	103	65-115	
Toluene-d8	8260b	107	50-120	

Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice NM 88231 Phone: (505) 394-3481 FAX: (505) 394-2601

### **REPORT OF ANALYSIS**

4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christian 78408 (512) 444-5896 • FAX (512) 447-4

1/02

### **QUALITY ASSURANCE DATA**<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>	
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		28.9	70	102.7	118.3	
TPH by GC (as diesel-ext)					12/26/01	3540				·		
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.	J	24.1	81.9	119.4	122.	
Volatile organics-8260b/BTEX					12/31/01	8260b						
Benzene	<20	μg/Kg	20	<20	12/31/01	8260b		11.8	107.5	100.6	113.5	
Ethylbenzene	<20	μg/Kg	20	<20	12/31/01	8260b		0.5	90.4	88.4	98.7	
m,p-Xylenes	<20	μg/Kg	20	<20	12/31/01	8260b		0.7	90.2	90	99.4	
o-Xylene	<20	μg/Kg	20	<20	12/31/01	8260b		1	91.3	90.8	100.5	
Toluene	<20	μg/Kg	20	<20	12/31/01	8260b		10.8	106.8	98.4	114.7	
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Richard Laster

**Richard Laster** 

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**1** 

Client: Environmental Plus, Inc. Pat McCasland Attn:

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121701BH8-15'

2209 IN. Faure Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 FAX (512) 447-4766 ٠

> Report#/Lab ID#: 124134 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	110	50-150	
p-Terphenyl	8015 mod.	125	50-150	
1,2-Dichloroethane-d4	8260b	104	65-115	
Toluene-d8	8260b	111	50-120	

Attn: Pat McCasland

### Sample Temperature/Condition <=6°C

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#### J flag Discussion

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A J flag data qualifier indicates (as required under TNRCC-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.
Notes:		

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npany Name Nairana	ENTAL PL	105	Com	pany	Nam	e	ait T					42	21 Fr	eidric	h Lan	e, Suite 191	nstin, TX 7874	4
tress 2100 Aw, O	<u></u>		Addı	Address 5805 East Mohning So											(-	12,444,5070		
1 Emples State	KIM Zip	88231	_ City	City Medland State Tr Zip 79701									53	,- <u></u>				-1
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ine <u>505-399-3431</u> Fax	Phor	1e <u>7</u>	<u>15   53</u>	<u>76/10</u>	<u>20</u> Fax _9	745/	<u> 634</u>	399	50	Ļ	7	case at			mation as require	:d 		
h Status (must be confirm	10% with $1%$	ab mgr.): Samp	ler:	11	20							/	/			///		
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Client Sample No. )escription/Identification	Date Sampled	Tlme Sampled	No. of Containers	Soll	Water	Waste	Lab I.D. # (Lab only)		10 <sup>th</sup>							Coi	mments	
VG121401BH1-2	12-14-01	8:30	1	X			124102	N.	Х									
VG12140(BH1-5'	12-14-01	9:43	}	X		· · · · · · · · · · · · · · · · · · ·	124103	 	X									
VG1214015H1-10'	12-14-01	9.55	1	X	ļ		124104		$\times$			. <u></u>		<u> </u>			•	
VG12111018H1-15'	12.14-01	9.15	1	X		 	124105	ļ	X					<u> </u>				
UG121401 BH 2-2'	12-14-01	9:45	1	X	<u> </u>		124106	<u> </u>	$\times$			<u> </u>						
1G1214018H2-5'	12-14-01	10:00	1	X		ļ	124107	2	$ \times$									
13101401 BH 2-10'	13-14-21	10:15	1	X		 	124108	<u> </u>	X									
1G121401 BH2-15	12-14.01	10:30	1	×			124109	   <u></u>										
TVGJAIGOLBH3-D	1314-21	10:45	i .	X			124110	~.	X									
SUGIAIUCIBH3-5	12-14-01	11:50	ľ /	X			124111	1	X									

less 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 reporting (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 Pollutants of HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

				unit)	$\underline{D}, \underline{O} \subseteq$		
	Sample Relinquish	ied By		V	Sample Received	By is	
Name	Affiliation	Date	Time	Name	Affiliation	Dale	Time
13.50-	Enstrond Mention Plots	12-14-01		Melaniette	mohrac ASI	12/10/01	1034
0					2	1	

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

id Reports T mpany Name <u>Austronnue</u> dress <u>2100 Austo</u> V Emple State	Bill t Com Addr City	Bill to (If differen Company Name Address <u>5905 East Highway 80</u> City Midland State Tr Zip 79701								42:	21 Fre	idric	h Lan (5	e, Suite 19 ustin, TX 78744 512) 444-5896		
TN: <u>For MCostand</u>				N:	<u>Il larg</u>	nl_	<u>bunite</u>	1/	1 911	- 7:11	 וער	Analyses Requested (1)				
sh Status (must be confirm ject Name/PO#: 2000-1 Vacum Client Sample No	ler: <u>Ba</u>	nc <u>9</u>	J-J	<u>312'7'</u>	  	<u></u>			200 QUE	/ 						
Description/Identification	Sampled	Sampled	Containers	Soll	Water	Waste	(Lab only)	Ζ	Z	Ż		$\leq$	$\angle$	$\angle$	Ĺ	Comments
VG1214018H3-10"	12-14.01	11:20	1	X			124112	7	Х							
UGIZI401BH3-15	12-14-01	11:35	i	X			124113	<u> </u>	$\underline{\times}$							
10 121401 BH 3-201	12-14-01	11:55	1	X			124114	/	$\times$							
VGIZIYOIBH4-2	12-14-01	1:00	۱	X			124115	1	$\times$							
VG1214013H4-5	12.14 01	1:45	1	X		}	124116	¥.								
VG121401 BH4-10	12-14-01	2:10	1	X			124117		X							
UG1214018H41-15	12-14-01	2:35	1	X			124118		X							
	12-14-01	2:35	1	X			124119		X							
19121401BH5-5	12-14.01	2:45	1	X			124120		X							
VG/21401BHG-10	12.14.31	3:00	t.	۲			124121		X							

nless 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 reportin s (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 Pollutants ( HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

	Sample Relinquish	ed By			Sample Received	By	
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
with Fil-	FARMONIAL PLUS	12-14-01		Maniet	limplines ASI	12/10/01	1034
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ndering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

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mpany Name	ENUIRONMA	STAL PIC	25	_ Com	pany	Nam	e	E.H				·	422	l Frei	drich	Lane,	Suite 1	ustin, TX 7874	}
dress 26.75	AUR_ O			Add	ess_	580	2 Ē.	High WA	<u>1 E</u>	20						(51	2) 444-3690		
Y Eunice	State	U.M. Zip	85231	– City	Mid	long	1	State 7	XZ	ip_/	797	701							
TN: Par	M. Casjana	 .(		ATI	ATTN: When Brune the								/	An	alys	es Reque	sted (1)		
one 505-394	1-2601 Fax	505.39	4-3.601	Phor	Phone 915 536 1090 Fax 915 084 3450								Pier	ise alla	ich exp	lanatory inform	mation as require	d	
sh Status (mu	st be confirme	ed with la	ıb mgr.):								/				/				
oject Name/PO	D#: <u>2000- 1</u> Vacum GA	10833 THERU	Samp	ler: Bay	1 chen	32	· · · · · · · · · · · · · · · · · · ·					US I							
Client Sam Description/Ide	ple No. entification	Date Sampled	Time Sampled	No. of Containers	Soll	Water	Waste	Lab I.D. # (Lab only)		193							Cor	nments	
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nless specifically req s (MDL/PQL). For s HSL list at ASI's of	uested otherwise on GC/MS volatiles and otion. Specific comp	this Chain-of- extractables, r ound lists mus	L custody and/o unless specifi at be supplied	or attached do c analytical p for all GC pr	cument aramete ocedure	ation, all r lists an :s.	analyse: c specifie	s will be conducted ed on this chain-o	d usin of-custo	g ASI' xdy or	s metho attache	od of ch d to this	oice a chair	nd all 1-of-ci	data w istody,	vill be , ASI v	reported to AS will default to F	l's normal report Priority Pollutant	n 1
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Name	Amilia	tion		Date	′	Time		Name			Α	Milati	on				Dale	Time	~~~
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nuering of abov	e described sam	ipies to An	aiyoys, m	c. for anal	yncal	resunt	; const	nuics agreem	ent 0	y ou	yc1/58	unpier	IU P	mary	sys,	INC.	s standard t	erms.j	

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nd Reports T npany Name <u>Environ Insentia ( Plus</u> dress <u>2100 Ave. 0</u> <u>Envice</u> State <u>um</u> Zip <u>88231</u>				Bill to (if different Company Name Fort Address 5503 E, HWY 50 City March State 7 27247							42	4221 Freidrich Lane, Suite 19, stin, TX 78744 (512) 444-5896						
TN: $\underline{\mathcal{A}}_{\mathcal{A}} \underbrace{\mathcal{A}}_{\mathcal{A}} \underbrace{\mathcal{A}} \underbrace{\mathcal{A}$				ATTN: <u>Mayne Sumitte</u>						Analyses Requested (1) Please attach explanatory information as required								
sh Status (must be confirm ject Name/PO#:	<u>3-8-394</u> red with la	ab mgr.): Samp	ler:	de	Zk	32-		<u> </u>		224	150	J.						
Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soll	Water	Waste	Lab I.D. # (Lab only)										Commen	ts ·
VG12170(BH6-2'	(2.13.01	7:30		X.			124123	'y'	<u> </u>									
VG121701BH6-5	12-17-01	7:45	i	X			124124	*	X									
VG121701 RH6-10	12-17-01	8:15	<u> </u>	X			124125	>	X									
VAI2MOIBHG-15	12-17-01	8:25		×			124126	×	X							Ì		
VG1217018H7-2	12-17-01	9:00	1	X			124127	<u>≺</u>										
VGlanger BH17-5	12-17-01	\$9:25	. (	X			124128	2.	ľ									
VG1217018H7-10'	13-12-01	9:40	1	X			124129	<u>×.</u>	X									
UGIZITOIBHD-15	12-17-01	10:00	i	X	<u> </u>		124130	2	1 :<					<u> </u>			-	
VG121701RH8-2.	13-17-01	10:20		X		_	124131		1	<u> </u>		<u> </u>				·		
1961211051 BH 8-5	12-11-01	1:40	<u> </u>	X			124132	14	X								•	

nless 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 reportin s (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 Pollutants s HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

Jenn n. O'C

·	Sample Relinquishe	d By		Sample Received By								
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time					
Path Blin	ENVIRONNENTEL PLUS	12-17-01		Milanier	lum phrace ASI	12/1/01	1034					

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

ud Reports' mpany Nam dress <u>210</u>	npany Name <i>Lioo</i> AUP G <i>Eusice</i> State <i>J.M.</i> Zip <u>58231</u> FN: <i>D</i> - <i>abClastand</i>				Bill to (if differen Company Name <u>Fort</u> Address <u>5305 East Holway</u> 80 City Michang State To Zip 79701							42	4221 Freidrich Lane, Suite 1 (512) 444-5896				<b>J     [</b> ustin, TX 78744	
$\mathbf{y}$ <u>Ziskie</u> TN: $\mathcal{P}_{\overline{\mathcal{T}}}$	ALC Castant		33001	- ATT	ATTN: Wayne Bumette							Analyses Requested (1)						
 9ne کرد کرد one	-3481 Fax 3	505.394.	2601	 Phon	e			Fax						Ple	ease at	lach e	xplanatory inform	nation as required
sh Status (m oject Name/I	ust be confirme PO#: <u>20110 - 1</u> Vacum	ed with la 1833 Craften	ab mgr.): Samp	ler: <u>Se</u>	Alby	R	Rec	·				1000						
Client Sar Description/Ic	nple No. dentification	Date Sampled	Time Sampled	No. of Containers	Soll	Water	Waste	Lab I.D. # (Lab only)		10 He							Con	nments
FUGIZINOIB	; lig-10'	12-17-01	2:00	1	Х			124133	X	X								
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nless specifically r s (MDL/PQL). Fo s HSL list at ASI's	equested otherwise on r OC/MS volatiles and option. Specific comp	this Chain-of- extractables, ound lists mu	-custody and/ unless specif st be supplied	or attached do ic analytical pr for all GC pro	cuments tramete ocedure	ation, all r lists are s.	analyse: e specifie	s will be conducte ed on this chain-o $\int e^{-1} de^{-1} de^{-1} de^{-1}$	d usin f-custo	ng ASI' ody or	s meth attach	ed to th	holce his cha	and al	l data custod	will b y, ASI	e reported to AS will default to F	l's normal reportin Priority Pollutants -
Sample Relinquished By				y	- <u>+</u>			)			S	amp	le R	ecei	ved	By	1 (m 1) (m 1)	
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TO AVC								prone		m	( <u>7-</u> )	<u>()</u> (	5	<u>. T</u>	/	12	<u>1197101</u>	1097

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

						(512) 44	4-5896 •	FAX	(512) 447-	4766	
Client: Environmental Plus, Inc.						Report#/Lab ID#: 124252 Report Date: 01/07/0					
Attn: Pat McCasland						Project ID: 200	0-10833 Vacur	n Gatheri	ng		
Address: 1324 M.St Po Box	NR 00001					Sample Name: I	EVG121801BI	49-2			
Eunice	NM 88231					Sample Matrix:	SOIL	/T.'	10.07		
<b>Phone:</b> (505) 394-3481 <b>FAX:</b> (50	5) 394-2601					Date Received: Date Sampled:	12/21/2001	Time: Time:	08:00		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE D	ATA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	10800	mg/Kg	5	<50	12/28/01	8015 mod.		14.2	75.4	85.8	83.8
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	1220	mg/Kg	5	<50	12/28/01	8015 mod.		15.6	90.4	101.3	119
Volatile organics-8260b/BTEX					12/31/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/31/01	8260b	J	11.8	107.5	100.6	113.5
Ethylbenzene	156	µg/Kg	20	<20	12/31/01	8260b		0.5	90.4	88.4	98.7
m,p-Xylenes	699	µg/Kg	20	<20	12/31/01	8260b		0.7	90.2	90	99.4
o-Xylene	1010	µg/Kg	20	<20	12/31/01	8260৮		1	91.3	90.8	100.5
Toluene	512	μg/Kg	20	<20	12/31/01	8260b		10.8	106.8	98.4	114.7
This analytical report is respectfully submitted by <i>A</i> have been carefully reviewed and, to the best of my are consistent with AnalySys, Inc.'s Quality Assur Copyright 2000, AnalySys, Inc., Austin, TX. All publication may be reproduced or transmitted in an express written consent of AnalySys, Inc.	AnalySys, Inc. The knowledge, the ana ance/Quality Contro rights reserved. No y form or by any m Respectfully Su Control Last	enclosed result alytical results of Program. © o part of this eans without the abmitted, footure er	ts I. Qua of the recove express (RQL) typica dilutic associ recove than a	lity assurance c relative percent red from a spik sed as the perce ), typically at o Illy denote USEI ons. 7. Data Qu ated method bar rry exceeds advit dvisory limit. N	lata is for the s (%) difference ed sample. ent (%) recover r above the Pra PA procedures. ualifiers are J = ink(s). SI =MS isory limit. S3 A = Matrix inter	ample batch which inclu- between duplicate measu 4. Calibration Verification y of analyte from a know (ctical Quantitation Limi) Less than ("<") values r : analyte potentially press S and/or MSD recovery e =MS and/or MSD and P ference	ded this sample. irements. 3. Rec on (CCV) and Lal on standard or main t (PQL) of the an- effect nominal qu ent between the P xceed advisory li DS recoveries exc	2. Precisio covery (Reco boratory Co trix. 5. Ro alytical me antitation li QL and the mits. S2 = ceed adviso	on (PREC) is cov.) is the pe- ontrol Sampl eporting Qua thod. 6. M mits adjusted MDL. B = Post digestio ry limits. P	s the absolu- ercent (%) e (LCS) re- ntitation L ethod num d for any re- Analyte del n spike (PI =Precision	ite value of analyte sults are imits bers equired tected in DS) higher

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(512) 444-5896 • FAX (512) 447-476

Client:	Environmental Plus, Inc.
Attn:	Pat McCasland

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Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH9-2'

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Report#/Lab ID#: 124252 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 5X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	113	65-115	
Toluene-d8	8260b	111	50-120	

Attn: Pat McCasland

## 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  $\leq 6^{\circ}$ 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 TNRCC-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.
Nitrobenzene-d5 Nitrobenzene-d5	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (cg. 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.
Notoa	··	

Notes:

	חב.	4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, (512) 444-5896 • FAX (512) 447-4
Client: Environmenta	ll Plus, Inc.	Report#/Lab 1D#: 124253 Report Date: 01/07/02
Attn: Pat McCaslan	d	Project ID: 2000-10833 Vacum Gathering
Address: 1324 M.St Po	Box	Sample Name: EVG121801BH9-5'
Eunice	NM 88231	Sample Matrix: soil
		Date Received: 12/21/2001 Time: 12:37
Phone: (505) 394-348	FAX: (505) 394-2601	Date Sampled: 12/18/2001 Time: 08:15
DEPODT OF ANALY	ZCIQ	OUALITY ASSURANCE DATA!

#### REPORT ANALISIS

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	507	mg/Kg	5	<5	12/28/01	8015 mod.		14.2	75.4	85.8	83.8
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	395	mg/Kg	5	<5	12/28/01	8015 mod.		15.6	90.4	101.3	119
Volatile organics-8260b/BTEX					12/31/01	8260b					
Benzcne	<20	µg/Kg	20	<20	12/31/01	8260b	J	11.8	107.5	100.6	113.5
Ethylbenzene	<20	µg/Kg	20	<20	12/31/01	8260b		0.5	90.4	88.4	98.7
m,p-Xylenes	160	μg/Kg	20	<20	12/31/01	82605		0.7	90.2	90	99.4
o-Xylene	1970	µg/Kg	20	<20	12/31/01	8260b		1	91.3	90.8	100.5
Toluene	23.4	μg/Kg	20	<20	12/31/01	8260b		10.8	106.8	98.4	114.7

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted,

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Richard Laster **Richard Laster** 

Environmental Plus, Inc.

Client:

Attn:

(512) 444-5896 • FAX (512) 447-476(

Report#/Lab 1D#: 124253

Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Pat McCasland

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzenc-d5	8015 mod.	116	50-150	
p-Terphenyl	8015 mod.	123	50-150	
1,2-Dichloroethane-d4	8260b	105	65-115	
Toluene-d8	8260b	106	50-120	

Project ID: 2000-10833 Vacum Gathering

Sample Name: EVG121801BH9-5'

Attn: Pat McCasland

### 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  $\leq 6^{\circ}$ 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 TNRCC-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:	·	

						4221 Fro 2209 N. (512) 44	eidrich Lane, S Padre Island 4-5896 •	Suite 190 Dr., Corj FAX	, Austin, T pus Christi (512) 447-4	× 7874 7ε	14 & 3408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:1324 M.St Po Box EunicePhone:(505) 394-3481FAX:FAX:(505)					Report#/Lab ID Project ID: 2000 Sample Name: F Sample Matrix: Date Received: Date Sampled:	#: 124254 D-10833 Vacum EVG121801BF soil 12/21/2001 12/18/2001	Repor n Gatheri I9-10' Time: Time:	rt Date: 0 ng 12:37 08:35	1/07/02		
REPORT OF ANALYSIS			<b>.</b>		······································		QUALITY	ASSURA	ANCE DA	<u>TA</u> <sup>1</sup>	·
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		14.2	75.4	85.8	83.8
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasolinc)	<5	mg/Kg	5	<5	12/28/01	8015 mod.	J	15.6	90.4	101.3	119
Volatile organics-8260b/BTEX					12/31/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/31/01	8260b		11.8	107.5	100.6	113.5
Ethylbenzene	<20	µg/Kg	20	<20	12/31/01	8260b		0.5	90.4	88.4	98.7
m,p-Xylenes	<20	μg/Kg	20	<20	12/31/01	8260b		0.7	90.2	90	99.4
o-Xylene	<20	μg/Kg	20	<20	12/31/01	8260b		1	91.3	90.8	100.5
Toluene	<20	μg/Kg	20	<20	12/31/01	8260b		10.8	106.8	98.4	114.7
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Page#: 1 **Report Date: 01/07/02** 

(512) 444-5896 • FAX (512) 447-476

Client:	Enviro ental Plus, Inc.
Attn:	Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH9-10'

Report#/Lab ID#: 124254 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	118	50-150	
p-Terphenyl	8015 mod.	113	50-150	
1,2-Dichlorocthane-d4	8260b	107	65-115	
Toluene-d8	8260b	103	50-120	

Attn: Pat McCasland

### 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  $\leq 6^{\circ}$ 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 & Prescrvation

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

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#### Comments pertaining to Data Qualifiers and QC data:

Paramete	r	Qualif	Comment	
TPH by GC	(as gasoline)	J	See J-flag discussion above.	
Notes:		· + + +		

<b>L</b> 1	inc.		4221 Freidrich Lane, Suite 190, Austin, 1X 78/44 & 2209 N. Padre Island Dr., Corpus Christi, 78408 (512) 444-5896 • FAX (512) 447-470.
Client:	Environmental Plus	, Inc.	<b>Report#/Lab ID#: 124255</b> Report Date: 01/07/02
Attn:	Pat McCasland		Project ID: 2000-10833 Vacum Gathering
Address	1324 M.St Po Box		Sample Name: EVG121801BH9-15'
	Eunice	NM 88231	Sample Matrix: soil
			Date Received: 12/21/2001 Time: 12:37
Phone:	(505) 394-3481	FAX: (505) 394-2601	Date Sampled: 12/18/2001 Time: 08:50
REPORT	OF ANALYSIS		QUALITY ASSURANCE DATA <sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov?	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	25.7	mg/Kg	5	<5	12/28/01	8015 mod.		14.2	75.4	85.8	83.8
TPH by GC (as diesel-ext)					12/26/01	3540					'
TPH by GC (as gasoline)	6.03	mg/Kg	5	<5	12/28/01	8015 mod.		15.6	90.4	101.3	119
Volatile organics-8260b/BTEX					12/31/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/31/01	8260b		11.8	107.5	100.6	113.5
Ethylbenzene	<20	µg/Kg	20	<20	12/31/01	8260b		0.5	90.4	88.4	98.7
m,p-Xylenes	<20	µg/Kg	20	<20	12/31/01	8260b		0.7	90.2	90	99.4
o-Xylene	<20	μg/Kg	20	<20	12/31/01	8260b		1	91.3	90.8	100.5
Tolucne	<20	μg/Kg	20	<20	12/31/01	8260b		10.8	106.8	98.4	114.7

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Richard Laster **Richard Laster** 

Page#: 1 Report Date: 01/07/02 Client: Environmental Plus, Inc. Attn: Pat McCasland

-----

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH9-15' Report#/Lab ID#: 124255 Sample Matrix: soil

FAX (512) 447-476

2209 IN. Padre Island Dr., Corpus Christi, TX 7840408

•

(512) 444-5896

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	126	50-150	
p-Terphenyl	8015 mod.	127	50-150	
1,2-Dichlorocthane-d4	8260b	105	65-115	
Toluene-d8	8260b	106	50-120	

							 4221 Freidrich Lanc, 2209 N. Padre Island (512) 444-5896	Suite 190, Austin, TX, 78744 & Dr., Corpus Christi FAX (512) 447-4700
Client:	Environmental Plus	, Inc.					Report#/Lab ID#: 124256	Report Date: 01/07/02
Attn:	Attn: Pat McCasland						Project ID: 2000-10833 Vacu	m Gathering
Address: 1324 M.St Po Box						Sample Name: EVG121801B	H10-2'	
	Eunice		NM 88231				Sample Matrix: soil	
				ľ			Date Received: 12/21/2001	<b>Time:</b> 12:37
Phone:	(505) 394-3481	FAX: (505)	394-2601				Date Sampled: 12/18/2001	<b>Time:</b> 09:10
REPOR	r of analysis		··				QUALITY	ASSURANCE DATA <sup>1</sup>
5			T T 1.		L DOT 5	D1 1	11 16 12 0 12	1 D 2 D 3 G G 7 4 1 2 G 6 4

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/28/01	8015 mod.		14.2	75.4	85.8	83.8
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/28/01	8015 mod.	J	15.6	90.4	101.3	119.
Volatile organics-8260b/BTEX					12/31/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/31/01	8260b		11.8	107.5	100.6	113.5
Ethylbenzene	<20	µg/Kg	20	<20	12/31/01	8260b		0.5	90.4	88.4	98.7
m,p-Xylenes	<20	µg/Kg	20	<20	12/31/01	8260b		0.7	90.2	90	99.4
o-Xylene	<20	µg/Kg	20	<20	12/31/01	82605		1	91.3	90.8	100.5
Toluene	<20	µg/Kg	20	<20	12/31/01	8260b		10.8	106.8	98.4	114.7

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Richard Laster **Richard Laster** 

Client:	Environmental Plus, Inc.
Attn:	Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH10-2' 
 2209 N. Padre Island Dr., Corpus Christi, TX 7840408

 (512) 444-5896
 FAX (512) 447-476

Report#/Lab 1D#: 124256 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	104	50-150	
p-Terphenyl	8015 mod.	113	50-150	
1,2-Dichloroethane-d4	8260b	113	65-115	
Toluene-d8	8260b	98.4	50-120	

### 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  $\leq 6^{\circ}$ 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	
TPH by GC (as gasoline)	J	See J-flag discussion above.	
Notes:			

LI IIII	4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi (512) 444-5896 • FAX (512) 447-4700
Client: Environmental Plus, Inc.	<b>Report#/Lab ID#:</b> 124257 <b>Report Date:</b> 01/07/02
Attn: Pat McCasland	Project ID: 2000-10833 Vacum Gathering
Address: 1324 M.St Po Box	Sample Name: EVG121801BH10-5'
Eunice NM 88231	Sample Matrix: soil
	Date Received: 12/21/2001 Time: 12:37
Phone: (505) 394-3481 FAX: (505) 394-2601	Date Sampled: 12/18/2001 Time: 09:25
REPORT OF ANALYSIS	OUALITY ASSURANCE DATA <sup>1</sup>

#### RQL<sup>5</sup> Prec.<sup>2</sup> Recov<sup>3</sup> CCV<sup>4</sup> Data Qual<sup>7</sup> Result Units Blank Date Method <sup>6</sup> $LCS^4$ Parameter <5 5 <5 12/28/01 8015 mod. 14.2 85.8 TPH by GC (as diesel) mg/Kg 75.4 83.8 ---TPH by GC (as diesel-ext) ---12/26/01 3540 ------------------------TPH by GC (as gasoline) <5 mg/Kg 5 <5 12/28/01 8015 mod. J 90.4 15.6 101.3 119., Volatile organics-8260b/BTEX 12/31/01 ------8260b ----------------Benzenc <20 ug/Kg <20 12/31/01 20 8260b 11.8 107.5 100.6 113.5 ---<20 µg/Kg <20 12/31/01 Ethylbenzene 20 8260b 0.5 90.4 88.4 98.7 ----<20 μg/Kg <20 m,p-Xylenes 20 12/31/01 8260b 0.7 90.2 90 99.4 --o-Xylene <20 µg/Kg 20 <20 12/31/01 8260b 1 91.3 90.8 100.5 ---Toluene <20 µg/Kg 20 <20 12/31/01 8260b 10.8 106.8 98.4 114.7 ---

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Richard Laster Richard Laster

 Page#: 1
 Report Date: 01/07/02

(512) 444-5896 • FAX (512) 447-476

Client:	Environental Plus, Inc.
Attn:	Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH10-10'

Report#/Lab ID#: 124258 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	147	50-150	
p-Terphenyl	8015 mod.	101	50-150	
1,2-Dichloroethane-d4	8260b	104	65-115	
Toluene-d8	8260b	94.2	50-120	

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

~ . . . . . . .

<b>L</b> 1		4221 Freidrich Lane, Suite 199, Austin, 1X 78744 & 2209 N. Padre Island Dr., Corpus Christ 78408 (512) 444-5896 • FAX (512) 447-4
Client:	Environmental Plus, Inc.	<b>Report#/Lab ID#:</b> 124259 <b>Report Date:</b> 01/07/02
Attn:	Pat McCasland	Project ID: 2000-10833 Vacum Gathering
Address	: 1324 M.St Po Box	Sample Name: EVG121801BH10-15'
	Eunice NM 88231	Sample Matrix: soil
		Date Received: 12/21/2001 Time: 12:37
Phone:	(505) 394-3481 FAX: (505) 394-2601	Date Sampled: 12/18/2001 Time: 10:00

#### **REPORT OF ANALYSIS**

#### QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	$CCV^4$	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124.
Volatile organics-8260b/BTEX					12/31/01	8260b					
Benzene	<20	μg/Kg	20	<20	12/31/01	82606		11.8	107.5	100.6	113.5
Ethylbenzene	<20	μg/Kg	20	<20	12/31/01	8260b		0.5	90.4	88.4	98.7
m,p-Xylenes	<20	µg/Kg	20	<20	12/31/01	8260b		0.7	90.2	90	99.4
o-Xylene	<20	µg/Kg	20	<20	12/31/01	8260b	ll	1	91.3	90.8	100.5
Toluene	<20	µg/Kg	20	<20	12/31/01	8260Ь		10.8	106.8	98.4	114.7

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Richard Laster Richard Laster

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(512) 444-5896 • FAX (512) 447-47

Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH10-15'

Report#/Lab ID#: 124259 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

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Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	108	50-150	
p-Terphenyl	8015 mod.	123	50-150	
1,2-Dichloroethane-d4	8260b	104	65-115	
Toluene-d8	8260b	104	50-120	

LI inc.						4221 Fro 2209 N. (512) 444	eidrich Lane, 8 Padre Island 4-5896 •	Suite 190 Dr., Corj FAX	, Austin, ' pus Christ (512) 447-4	7874 7874 78 78	14 & 3408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice Phone: (505) 394-3481 FAX: (505)				Report#/Lab ID Project ID: 2000 Sample Name: E Sample Matrix: Date Received: Date Sampled:	#: 124260 D-10833 Vacun EVG121801BF soil 12/21/2001 12/18/2001	Repor n Gatheri 11-2' Time: Time:	rt Date: 0 ng 12:37 12:30	1/07/02			
REPORT OF ANALYSIS					rr		QUALITY	ASSUR	ANCE DA	ATA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124.
Volatile organics-8260b/BTEX					12/31/01	8260b					
Benzene	<20	µg/Kg	20	<20	12/31/01	8260b		11.8	107.5	100.6	113.5
Ethylbenzene	<20	µg/Kg	20	<20	12/31/01	8260b		0.5	90.4	88.4	98.7
m,p-Xylenes	<20	µg/Kg	20	<20	12/31/01	8260b		0.7	90.2	90	99.4
o-Xylene	<20	μg/Kg	20	<20	12/31/01	8260b		1	91.3	90.8	100.5
Toluene	<20	µg/Kg	20	<20	12/31/01	8260b		10.8	106.8	98.4	114.7
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my kn are consistent with AnalySys, Inc.'s Quality Assurance Copyright 2000, AnalySys, Inc., Austin, TX. All rig publication may be reproduced or transmitted in any fe express written consent of AnalySys, Inc.	AlySys, Inc. The owledge, the ana e/Quality Contro hts reserved. No orm or by any mo espectfully Su chard - Richard Laste	enclosed result lytical results of Program. © part of this cans without th bmitted, faste er	Is I. Qua of the recove expres (RQL) typical dilutio associ recove than a	lity assurance d relative percent ared from a spike sed as the perce by typically at or lly denote USEF ons. 7. Data Qu ated method bla ery exceeds advi dvisory limit. N	iata is for the s (%) difference ed sample. ent (%) recover r above the Pra PA procedures. Julifiers are J = nk(s). S1 =M3 sory limit. S3 A =Matrix inte	ample batch which inclu- between duplicate measu 4. Calibration Verification between duplicate measu of analyte from a known actical Quantitation Limit Less than ("<") values ru- analyte potentially presess and/or MSD recovery e =MS and/or MSD and Pr rforence.	ded this sample. arements. 3. Rec on (CCV) and Lat in standard or mat t (PQL) of the ana- effect nominal qua- ent between the P- exceed advisory li- DS recoveries excession	2. Precision covery (Reconstruction of the covery of the covery of the coverage of the coverag	on (PREC) is cov.) is the po- portrol Sample eporting Qua thod. 6. Me units adjusted MDL. $B = 4$ Post digestio ary limits. P =	the absoluter the absoluter of the absolute of the absoluter of the a	ite value of analyte sults are imits bers equired ected in DS) higher

(512) 444-5896 • FAX (512) 447-476

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Client:	Environmental Plus, Inc.
Attn:	Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH11-2'

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Report#/Lab ID#: 124260 Sample Matrix: soil

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	83.6	50-150	
p-Terphenyl	8015 mod.	59.8	50-150	
1,2-Dichloroethane-d4	8260b	103	65-115	
Toluene-d8	8260b	95	50-120	

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

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	4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christop X 78408 (512) 444-5896 • FAX (512) 447-4766
Client: Environmental Plus, Inc.	Report#/Lab ID#: 124261 Report Date: 01/07/02
Attn: Pat McCasland	Project ID: 2000-10833 Vacum Gathering
Address: 1324 M.St Po Box	Sample Name: EVG121801BH11-5'
Eunice NM 88231	Sample Matrix: soil
	Date Received: 12/21/2001 Time: 12:37
Phone: (505) 394-3481 FAX: (505) 394-2601	Date Sampled: 12/18/2001 Time: 12:40
REPORT OF ANALYSIS	OUALITY ASSURANCE DATA <sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124
Volatile organics-8260b/BTEX					12/31/01	8260b					
Benzcne	<20	μg/Kg	20	<20	12/31/01	8260b		11.8	107.5	100.6	113.5
Ethylbenzene	<20	μg/Kg	20	<20	12/31/01	8260b	]]	0.5	90.4	88.4	98.7
m,p-Xylenes	<20	µg/Kg	20	<20	12/31/01	8260b		0.7	90.2	90	99.4
o-Xylene	<20	µg/Kg	20	<20	12/31/01	8260b		1	91.3	90.8	100.5
Toluene	<20	μg/Kg	20	<20	12/31/01	8260b		10.8	106.8	98.4	114.7

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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.

Client: Environmental Plus, Inc. Attn: Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH11-5' Report#/Lab ID#: 124261 Sample Matrix: soil

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FAX (512) 447-4766

2209 N. Padre Island Dr., Corpus Christi, TX 7840408

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(512) 444-5896

## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	118	50-150	
p-Terphenyl	8015 mod.	119	50-150	
1,2-Dichloroethane-d4	8260b	106	65-115	
Toluene-d8	82606	109	50-120	

<b>L</b> /```		4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christer X 78408 (512) 444-5896 • FAX (512) 447-4766
Client:	Environmental Plus, Inc.	Report#/Lab ID#: 124272 Report Date: 01/07/02
Attn:	Pat McCasland	Project ID: 2000-10833 Vacum Gathering
Address:	1324 M.St Po Box	Sample Name: EVG121801BH11-10'
	Eunice NM 88231	Sample Matrix: soil
		Date Received: 12/21/2001 Time: 12:37
Phone:	(505) 394-3481 FAX: (505) 394-2601	Date Sampled: 12/18/2001 Time: 01:40
REPORT	OF ANALYSIS	OUALITY ASSURANCE DATA <sup>1</sup>

#### Prec.<sup>2</sup> Recov.<sup>3</sup> RQL<sup>5</sup> Method<sup>6</sup> $CCV^4$ Result Units Date Data Oual<sup>7</sup> $LCS^4$ Parameter Blank TPH by GC (as diesel) <5 mg/Kg 5 <5 12/31/01 8015 mod. 4.6 77.5 107.5 F 123.6 TPH by GC (as diesel-ext) 12/26/01 3540 ---------------------------TPH by GC (as gasoline) <5 mg/Kg 5 <5 12/31/01 8015 mod. 16.1 94.5 108.8 124. ---Volatile organics-8260b/BTEX 01/01/02 8260b ---------------------Benzene < 20µg/Kg 20 <20 01/01/02 8260b 16.8 87.2 86.6 85.4 ---Ethylbenzene μg/Kg <20 20 <20 01/01/02 8260b 1.4 96.8 95.2 98 \_\_\_ m.p-Xylenes <20 μg/Kg 20 <20 01/01/02 8260b J 1.8 96.7 95.2 98 o-Xylenc <20 μg/Kg 20 <20 01/01/02 8260b 0.3 95.8 95.8 97.5 ---Toluene <20 μg/Kg 20 <20 01/01/02 8260b 15.9 87.3 89.7 85 ---

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Richard Laster

**Richard Laster** 

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Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH11-10'

Report#/Lab ID#: 124272 Sample Matrix: soil

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(512) 444-5896

## REPORT OF SURROGATE RECOVERY

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Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	124	50-150	
p-Terphenyl	8015 mod.	67.7	50-150	
1,2-Dichloroethane-d4	8260b	85.7	65-115	
Toluene-d8	8260b	105	50-120	
Attn: Pat McCasland

#### 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  $\leq 6^{\circ}$ 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 TNRCC-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.
m,p-Xylenes	J	See J-flag discussion above.
Notes:	·	
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		4221 F 2209 N (512) 4	reidrich Lane, : . Padre Island 44-5896 •	Suite 190 Dr., Corj FAX	, Austin, 7 pus Christ (512) 447-4	7874 7874 4766	14 & 3408				
Client: Environmental Plus, Inc.						Report#/Lab II	D#: 124273	Repor	t Date: 0	1/07/02	
Attn: Pat McCasland						Project ID: 200	00-10833 Vacur	n Gatheri	ng		
Address: 1324 M.St Po Box		}				Sample Name:	EVG121801BH	-111-15'			
Eunice	NM 88231					Sample Matrix	: soil				
						Date Received	: 12/21/2001	Time:	12:37		
Phone: (505) 394-3481 FAX: (50	5) 394-2601					Date Sampled:	12/18/2001	Time:	02:05		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE D	ATA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.	J	4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					

<5

<20

<20

12/31/01

01/01/02

01/01/02

01/01/02

8015 mod.

8260b

8260b

8260b

8260b

8260b

8260b

5

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20

20

ing/Kg

μg/Kg

μg/Kg

m,p-Xylenes	<20	μg/Kg	20	<20	01/01/02
o-Xylene	<20	μg/Kg	20	<20	01/01/02
Toluenc	<20	μg/Kg	20	<20	01/01/02
This analytical report is respectfully submitted by Ana	iySys, Inc. The	enclosed result	s I. Qua	lity assurance d	ata is for the
have been carefully reviewed and, to the best of my knd	owledge, the ana	lytical results	of the	relative percent	(%) differenc
are consistent with AnalySys, Inc.'s Quality Assurance	c/Quality Contro	l Program. ©	recove	red from a spike	ed sample.
Copyright 2000, AnalySys, Inc., Austin, TX. All righ	its reserved. No	part of this	expres	sed as the perce	nt (%) recove
publication may be reproduced or transmitted in any for	orm or by any me	eans without th	e (RQL)	, typically at ou	above the Pr

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<20

<20

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. M =Matrix interference.

16.1

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16.8

1.4

1.8

0.3

15.9

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94.5

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86.6

96.8

96.7

95.8

87.3

108.8

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87.2

95.2

95.2

95.8

89.7

124.

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85.4

98

98

97.5

85

TPH by GC (as gasoline)

Benzene

Ethylbenzene

Volatile organics-8260b/BTEX

express written consent of AnalySys, Inc.

Client: Environmental Plus, Inc. Attn: Pat McCasland

-----

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH11-15' Report#/Lab ID#: 124273 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	119	50-150	
p-Terphenyl	8015 mod.	143	50-150	
1,2-Dichloroethane-d4	8260b	87.3	65-115	
Toluene-d8	8260b	104	50-120	

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

,

Attn: Pat McCasland

### 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  $\leq 6^{\circ}$ 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 TNRCC-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:		

<b>L</b> /		4221 Freidrich Lane, Suite 190, Austin, 1X 78744 & 2209 N. Padre Island Dr., Corpus Christ X 78408 (512) 444-5896 • FAX (512) 447-56
Client:	Environmental Plus, Inc.	Report#/Lab ID#: 124274 Report Date: 01/07/02
Attn:	Pat McCasland	Project ID: 2000-10833 Vacum Gathering
Address:	1324 M.St Po Box	Sample Name: EVG121801BH12-2'
	Eunice NM 88231	Sample Matrix: soil
		Date Received: 12/21/2001 Time: 12:37
Phone:	(505) 394-3481 FAX: (505) 394-2601	Date Sampled: 12/18/2001 Time: 02:15

#### **REPORT OF ANALYSIS**

### **OUALITY ASSURANCE DATA**<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124.
Volatile organics-8260b/BTEX	-*-				01/01/02	8260b					
Benzene	<20	µg/Kg	20	<20	01/01/02	8260b		16.8	86.6	87.2	85.4
Ethylbenzene	<20	μg/Kg	20	<20	01/01/02	8260b		1.4	96.8	95.2	98
m,p-Xylenes	<20	µg/Kg	20	<20	01/01/02	8260b		1.8	96.7	95.2	98
o-Xylene	<20	μg/Kg	20	<20	01/01/02	8260b		0.3	95.8	95.8	97.5
Toluene	<20	µg/Kg	20	<20	01/01/02	8260b		15.9	87.3	89.7	85

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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. M =Matrix interference.

Richard Laster Richard Laster

Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH12-2' (512) 444-5896 • FAX (512) 447-47

Report#/Lab ID#: 124274 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	131	50-150	
p-Terphenyl	8015 mod.	52.8	50-150	
1,2-Dichloroethane-d4	8260b	103	65-115	
Toluene-d8	8260b	105	50-120	

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

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						4221 Fr 2209 N. (512) 44	eidrich Lanc, Padre Island 4-5896 •	Suite 190 Dr., Cor <sub>l</sub> FAX	, Austin, ' ous Christ (512) 447-4	7874 x 78 1766	4 & 3408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice Phone: (505) 394-3481 FAX: (505)	NM 88231 394-2601					Report#/Lab ID Project ID: 2000 Sample Name: F Sample Matrix: Date Received: Date Sampled:	#: 124275 0-10833 Vacur EVG121801BF soil 12/21/2001 12/18/2001	Repor n Gatherin 112-5' Time: Time:	t Date: 0 ng 12:37 02:40	1/07/02	
REPORT OF ANALYSIS							QUALITY	<u>ASSURA</u>	NCE DA	<u>\TA</u> 1	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124
Volatile organics-8260b/BTEX					01/01/02	8260b					
Benzenc	<20	µg/Kg	20	<20	01/01/02	8260b		16.8	86.6	87.2	85.4
Ethylbenzene	<20	µg/Kg	20	<20	01/01/02	8260b		1.4	96.8	95.2	98
m,p-Xylenes	<20	μg/Kg	20	<20	01/01/02	8260b		1.8	96.7	95.2	98
o-Xylene	<20	μg/Kg	20	<20	01/01/02	8260b		0.3	95.8	95.8	97.5
Toluene	<20	μg/Kg	20	<20	01/01/02	8260b		15.9	87.3	89.7	85
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Client:	Environme	ental Plus, Inc.

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH12-5'

FAX (512) 447-4769 Report#/Lab ID#: 124275

in rame island Dr., Corpus Unrish, 1X 7840408

•

(512) 444-5896

Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Pat McCasland

\_\_\_\_

Attn:

•• -

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	127	50-150	
p-Terphenyl	8015 mod.	118	50-150	
1,2-Dichloroethane-d4	8260b	103	65-115	
Toluene-d8	8260b	108	50-120	

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

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ΥD //L/L Y **L** Environmental Plus, Inc. Client: Pat McCasland Attn: Address: 1324 M.St Po Box

Eunice

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

### **REPORT OF ANALYSIS**

4221 Freidrich Lane, Suite 190, Austin, TX 78744 & X 78408 2209 N. Padre Island Dr., Corpus Chris (512) 444-5896 FAX (512) 447-4766

		the second se	
Report#/Lab ID	#: 124276	Repor	t Date: 01/07/02
Project ID: 200	0-10833 Vacur	n Gatheri	ng
Sample Name: I	EVG121801BI	<b>H12-10</b> '	
Sample Matrix:	soil		
Date Received:	12/21/2001	Time:	12:37
Date Sampled:	12/18/2001	Time:	02:55
	Report#/Lab ID Project ID: 200 Sample Name: I Sample Matrix: Date Received: Date Sampled:	Report#/Lab ID#: 124276 Project ID: 2000-10833 Vacur Sample Name: EVG121801BI Sample Matrix: soil Date Received: 12/21/2001 Date Sampled: 12/18/2001	Report#/Lab ID#: 124276ReportProject ID: 2000-10833 V.acum GatherinSample Name: EVG121801BH12-10'Sample Matrix: soilDate Received: 12/21/2001Time:Date Sampled: 12/18/2001

# **OUALITY\_ASSURANCE DATA1**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124.
Volatile organics-8260b/BTEX					01/01/02	8260b					
Benzene	<20	µg/Kg	20	<20	01/01/02	8260b		16.8	86.6	87.2	85.4
Ethylbenzene	<20	µg/Kg	20	<20	01/01/02	8260b		1.4	96.8	95.2	98
m,p-Xylenes	<2()	µg/Kg	20	<20	01/01/02	8260b		1.8	96.7	95.2	98
o-Xylene	<2()	µg/Kg	20	<20	01/01/02	8260b		0.3	95.8	95.8	97.5
Toluene	<20	µg/Kg	20	<20	01/01/02	82606		15.9	87.3	89.7	85

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Respectfully Submitted,

NM

88231

Richard Laster Richard Laster

I. 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. Attn: Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121801BH12-10' Report#/Lab ID#: 124276 Sample Matrix: soil

FAX (512) 447-476

2209 N. Padre Island Dr., Corpus Christi, TX 7840408

•

(512) 444-5896

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	94.4	50-150	
p-Terphenyl	8015 mod.	129	50-150	
1,2-Dichloroethane-d4	8260b	109	65-115	
Toluenc-d8	8260b	102	50-120	

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

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						4221 Fr 2209 N. (512) 44	eidrich Lane, Padre Island 14-5896	Suite 190 Dr., Cor FAX	, Austin, 7 pus Christi (512) 447-4	7874 7874 78	14 & 8408
Client: Environmental Plus, Inc.						Report#/Lab II	<b>)#:</b> 124277	Repor	rt Date: 0	1/07/02	·
Attn: Pat McCasland		4				Project ID: 200	0-10833 Vacur	n Gatheri	ng		
Address: 1324 M.St Po Box	<i>,</i>					Sample Name:	EVG121801BI	412-15'			
Eunice					Sample Matrix	: soil					
						Date Received:	12/21/2001	Time:	12:37		
Phone: (505) 394-3481 FAX: (5	505) 394-2601					Date Sampled:	12/18/2001	Time:	03:20		
REPORT OF ANALYSIS						<u></u>	QUALITY	ASSUR	ANCE DA	<u>ATA</u> 1	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LC
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123
TPH by GC (as diesel-ext)					12/26/01	3540	ll				

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	$LCS^4$
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124.
Volatile organics-8260b/BTEX					01/01/02	8260b					
Benzene	<20	µg/Kg	20	<20	01/01/02	8260b		16.8	86.6	87.2	85.4
Ethylbenzene	<20	µg/Kg	20	<20	01/01/02	8260b		1.4	96.8	95.2	98
m,p-Xylenes	<20	μg/Kg	20	<20	01/01/02	82606		1.8	96.7	95.2	98
o-Xylene	<20	µg/Kg	20	<20	01/01/02	82600		0.3	95.8	95.8	97.5
Toluene	<20	μg/Kg	20	<20	01/01/02	8260b		15.9	87.3	89.7	85
	1010										

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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. M =Matrix interference

(512) 444-5896 FAX (512) 447-4766 ٠

Intal Plus, Inc. Environ Client: Attn:

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Damant Datas 01/07/01

Pat McCasland

Project ID: 2000-10003 Vacum Gathering Sample Name: EVG121801BH12-15'

Report#/Lab ID#: 124277 Sample Matrix: soil

# EPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	55.6	50-150	
o-Terphenyl	8015 mod.	109	50-150	
,2-Dichloroethane-d4	8260b	106	65-115	
°oluene-d8	8260b	102	50-120	

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

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2209 N. Padre Island Dr., Corpus Christi, 78408 (512) 444-5896 FAX (512) 447-41

 $LCS^4$ 

123.6

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								(312) 44	4 8070		(	
Client:	Environmental Plus,	Inc.						Report#/Lab ID	)#: 124262	Repor	t Date: 0	1/07/02
Attn:	Pat McCasland							Project ID: 200	0-10833 vacun	i Gameri	ng	
Address	: 1324 M.St Po Box							Sample Name: I	EVG121901BF	113-2'		
	Eunice		NM 88231					Sample Matrix:	soil			
								Date Received:	12/21/2001	Time:	12:37	
Phone:	(505) 394-3481	FAX: (505)	394-2601					Date Sampled:	12/19/2001	Time:	08:30	
REPORT	OF ANALYSIS								QUALITY	ASSUR/	ANCE DA	ATA <sup>1</sup>
Paramet	er		Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>
TPH by C	GC (as diesel)		<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5
TPH by C	GC (as diesel-ext)						12/26/01	3540				

TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.	 16.1	94.5	108.8	124.
Volatile organics-8260b/BTEX					12/31/01	- 8260b	 			
Benzene	<20	µg/Kg	20	<20	12/31/01	82600	 11.8	107.5	100.6	113.5
Ethylbenzene	<20	μg/Kg	20	<20	12/31/01	8260b	 0.5	90.4	88.4	98.7
m,p-Xylenes	<20	μg/Kg	20	<20	12/31/01	· 8260b	 0.7	90.2	90	99.4
o-Xylene	<20	µg/Kg	20	<20	12/31/01	8260b	 1	91.3	90.8	100.5
Toluene	<20	μg/Kg	20	<20	12/31/01	8260b	 10.8	106.8	98.4	114.7
	he Angle Constant The			1:4			 		· · · · · · · · · · · · · · · · · · ·	

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Respectfully Submitted, Richard Laster

**Richard Laster** 

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(312) 444-5896 •

FAX (512) 447-476

Report#/Lab ID#: 12+262 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Client:

Attn:

Envird

Pat McCasland

ntal Plus, Inc.

.

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	65.6	50-150	
p-Terphenyl	8015 mod.	63.5	50-150	
1,2-Dichloroethane-d4	8260b	113	65-115	
Toluene-d8	8260b	98.5	50-120	

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Sample Name: EVG121901BH13-2'

3 Vacum Gathering

Project ID: 2000-

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

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2209 IN. Padre Island Dr., Corpus Christi, ( 78408 FAX (512) 447-47 (512) 444-5896 Report Date: 01/07/02 Report#/Lab ID#: 124263 Hental Plus, Inc. Client: Enviro. Project ID: 2000-10833 Vacum Gathering Attn: Pat McCasland Sample Name: EVG121901BH13-5' Address: 1324 M.St Po Box NM 88231 Sample Matrix: soil Eunice Date Received: 12/21/2001 Time: 12:37 FAX: (505) 394-2601 Date Sampled: 12/19/2001 Time: 08:50 (505) 394-3481 Phone: **OUALITY ASSURANCE DATA1** REPORT OF ANALYSIS RQL<sup>5</sup> Data Qual<sup>7</sup> Prec.<sup>2</sup> Recov<sup>3</sup> Result Units Method<sup>6</sup> CCV<sup>4</sup>  $LCS^4$ Date Blank Parameter TPH by GC (as diesel) 5 <5 8015 mod. 77.5 107.5 123.6 <5 mg/Kg 12/31/01 4.6 ---TPH by GC (as diesel-ext) 12/26/01 3540 ---------------------------TPH by GC (as gasoline) 5 12/31/01 <5 mg/Kg <5 8015 mod. 16.1 94.5 108.8 124. ... Volatile organics-8260b/BTEX 01/02/02 8260b ---------------------<20 01/02/02 Benzenc <20 µg/Kg 20 8260b 16.8 86.6 87.2 85.4 ---<20 <20 Ethylbenzene 20 01/02/02 µg/Kg 8260b 1.4 96.8 95.2 98 ---20 01/02/02 m,p-Xylenes <20 µg/Kg <20 8260b 1.8 96.7 95.2 98 ---o-Xylene 20 01/02/02 <20 μg/Kg <20 8260b 0.3 95.8 95.8 97.5 ---Toluene <20 µg/Kg 20 <20 01/02/02 8260b 15.9 87.3 89.7 85 ---This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results 1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value have been carefully reviewed and, to the best of my knowledge, the analytical results of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. @ recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this

Respectfully Submitted,

Richard Laster

Richard Laster

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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 1 = 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. M =Matrix interference.

express written consent of AnalySys, Inc.

lient: Environmental Plus, Inc. ttn: Pat McCa Project ID: 2000-10 Vacum Gathering Sample Name: EVG121901BH13-5' Report#/Lab ID#: 124 Sample Matrix: soil

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# PORT OF SURROGATE RECOVERY

nrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
itrobenzene-d5	8015 mod.	114	50-150	
Terphenyl	8015 mod.	62.2	50-150	
2-Dichloroethane-d4	8260b	114	65-115	
pluene-d8	8260b	110	50-120	

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

-						(512) 444	4-5896	FAX	(512) 447-4		
Client: Enviremental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice Phone: (505) 394-3481 FAX: (505)	NM 88231 394-2601					Report#/Lab ID Project ID: 2000 Sample Name: E Sample Matrix: Date Received: Date Sampled:	#: 124264 0-10833 Vacum EVG121901BF soil 12/21/2001 12/19/2001	Repor 1 Gatherin 113-10' Time: Time:	t Date: 01 ng 12:37 12:45	107/02	
REPORT OF ANALYSIS							QUALITY	ASSURA	NCE DA	TA1	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov?	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)			•••		12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124.
Volatile organics-8260b/BTEX					01/02/02	8260b					
Benzene	<20	µg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	μg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	µg/Kg	20	<20	01/02/02	8260b	J	0.3	93.3	89.6	95.1
o-Xylene	<20	μg/Kg	20	<20	01/02/02	8260b		0.4	93.2	90.9	95.2
Toluene	<20	µg/Kg	20	<20	01/02/02	8260b		4.6	104.6	107.7	105.1
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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted, Michard Laster Richard Ri											

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LAA (312) 44/-4/00/

Report#/Lab ID#:124204 Sample Matrix: soil

# EPORT OF SURROGATE RECOVERY

al Plus, Inc.

lient:

ttn:

Environ

Pat McCasrand

urrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
itrobenzene-d5	8015 mod.	123	50-150	
Terphenyl	8015 mod.	145	50-150	
2-Dichloroethane-d4	8260b	105	65-115	
oluene-d8	8260b	108	50-120	

Project ID: 2000-10

Sample Name: EVG121901BH13-10'

Vacum Gathering

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





### 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  $\leq 6^{\circ}$ 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 TNRCC-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
m,p-Xylenes	J	Sec J-flag discussion above.
Notes:	1 <u></u> -	

Client: Environmental Plus, Inc. Attn: Pat McCasland						Report#/Lab II Project ID: 200	0#: 124265 0-10833 Vacun	Repor	rt Date: 0	1/07/02	
Address: 1324 M.St Po Box Eunice			,		Sample Name: Sample Matrix	EVG121901BH : soil	113-15'	-			
<b>Phone:</b> (505) 394-3481 <b>FAX</b> :	(505) 394-2601					Date Received: 12/21/2001 Time: 12:37   Date Sampled: 12/19/2001 Time: 01:15					
REPORT OF ANALYSIS						<b>beensent</b>	QUALITY	ASSURA	ANCE DA	TA1	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124
Volatile organice 876()b/BTEY					01/02/02	8260b					
volatile organics-62000/DTEA		10/160	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Benzene	<20	1.2,122					11	1	1	000	047
Benzene Ethylbenzene	<20 <20	μg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.1
Benzene Ethylbenzene m,p-Xylenes	<20 <20 <20	μg/Kg μg/Kg	20 20	<20 <20	01/02/02	8260b 8260b	 J	0.6	92.6 93.3	89.3	94.7
Benzene Ethylbenzene m,p-Xylenes o-Xylene	<20 <20 <20 <20	μg/Kg μg/Kg μg/Kg	20 20 20	<20 <20 <20	01/02/02 01/02/02 01/02/02	8260b 8260b · 8260b	 J 	0.6 0.3 0.4	92.6 93.3 93.2	89.3 89.6 90.9	94.7 95.1 95.2

Respectfully Submitted,

Richard Laster Richard Laster 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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express written consent of AnalySys, Inc.

1116.

Client:	Environ	nental	Plus,	Inc.
Attn:	Pat McC	asland		

(512) 444-5896 • FAX (512) 447-4 Project ID: 2000-10833 Vacum Gathering

Report#/Lab ID#: 124265 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	108	50-150	
p-Terphenyl	8015 mod.	67.3	50-150	
1,2-Dichloroethane-d4	8260b	96.8	65-115	
Toluene-d8	8260b	101	50-120	

Sample Name: EVG121901BH13-15'

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

Attn: Pat McCasland

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  $\leq 6^{\circ}$ 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 TNRCC-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
m,p-Xylenes	J	See J-flag discussion above.
Notes:		

	alaan aasta ahaan iyo dhaan ahaa					4221 Fro 2209 N. (512) 44	idrich Lane, Padre Island 4-5896 •	Suite 190 Dr., Corj FAX	, Austin, 7 pus Christ (512) 447-4	7874 X 78 4766	4 & \$408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice Phone: (505) 394-3481 FAX: (50					Report#/Lab ID Project ID: 2000 Sample Name: E Sample Matrix: Date Received: Date Sampled:	#: 124266 )-10833 Vacur VG121901B1 soil 12/21/2001 12/19/2001	Repor n Gatheri 114-2' Time: Time:	rt Date: 0 ng 12:37 01:25	1/07/02		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	ATA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124.
Volatile organics-8260b/BTEX					01/02/02	8260b					
Benzene	<20	µg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	μg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	µg/Kg	20	<20	01/02/02	8260b		0.3	93.3	89.6	95.1
o-Xylene	<20	µg/Kg	20	<20	01/02/02	8260b		0.4	93.2	90.9	95.2
Toluene	<20	μg/Kg	20	<20	01/02/02	8260b		4.6	104.6	107.7	105.1
This analytical report is respectfully submitted by A have been carefully reviewed and, to the best of my are consistent with AnalySys, Inc.'s Quality Assura Copyright 2000, AnalySys, Inc., Austin, TX. All publication may be reproduced or transmitted in an express written consent of AnalySys, Inc.	AnalySys, Inc. The knowledge, the and ince/Quality Contro ughts reserved. No y form or by any m Respectfully Su	enclosed result alytical results of Program. © o part of this eans without th abmitted, faster	Its I. Qua of the recove expres ne (RQL) typical dilutio associa	lity assurance d relative percent ared from a spik sed as the perce b, typically at o lly denote USEI ns. 7. Data Qu ated method bla	ata is for the s (%) difference ed sample. nt (%) recover r above the Pro PA procedures. Julifiers are J = nk(s). S1 = MS	ample batch which inclu- between duplicate measu 4. Calibration Verification y of analyte from a know actical Quantitation Limit Less than ("<") values re analyte potentially prese S and/or MSD recovery e	led this sample. rements. 3. Rec on (CCV) and Lat n standard or mai (PQL) of the an- effect nominal qu int between the P xcced advisory li	2. Precision covery (Reconstruction covery (Reconstruction) cover (R	on (PREC) is cov.) is the pe- portrol Sample eporting Quar thod. 6. Me imits adjusted MDL. B = A Post digestion	the absolution of the second s	ite value of analyte ults are mits pers quired ected in DS)

than advisory limit. M =Matrix interference.

recovery exceeds advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher

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Richard Laster

(512) 444-5896 • FAX (512) 447-4766

Client:	Environntal Plus, Inc.
Attn:	Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121901BH14-2'

> ł t

Report#/Lab ID#: 124266 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	98.6	50-150	
p-Terphenyl	8015 mod.	55.4	50-150	
1,2-Dichloroethane-d4	8260b	110	65-115	
Toluene-d8	8260b	106	50-120	

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

L/```		4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, (512) 444-5896 • FAX (512) 447-47
Client:	Environmental Plus, Inc.	Report#/Lab ID#: 124267 Report Date: 01/07/02
Attn:	Pat McCasland	Project ID: 2000-10833 Vacum Gathering
Address	1324 M.St Po Box	Sample Name: EVG121901BH14-5'
	Eunice NM 88231	Sample Matrix: soil
		Date Received: 12/21/2001 Time: 12:37
Phone:	(505) 394-3481 FAX: (505) 394-2601	Date Sampled: 12/19/2001 Time: 01:40

#### **REPORT OF ANALYSIS**

## **OUALITY ASSURANCE DATA1**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov <sup>3</sup>	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<sup>~</sup> <5	12/31/01	8015 mod.		16.1	94.5	108.8	124.:
Volatile organics-8260b/BTEX					01/02/02	8260b					
Benzene	<20	µg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	µg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylencs	<20	μg/Kg	20	<20	01/02/02	8260৮		0.3	93.3	89.6	95.1
o-Xylene	<20	μg/Kg	20	<20	01/02/02	8260b	li	0.4	93.2	90.9	95.2
Toluene	<20	µg/Kg	20	<20	01/02/02	8260b		4.6	104.6	107.7	105.1

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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. M =Matrix interference.

Client: Environmental Plus, Inc.

Pat McCasland

Attn:

(512) 444-5896 • FAX (512) 447-476 (512) 444-5896 Project ID: 2000-10833 Vacum Gathering

Sample Name: EVG121901BH14-5'

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Report#/Lab ID#: 124267

Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	128	50-150	
p-Terphenyl	8015 mod.	120	50-150	
1,2-Dichloroethane-d4	8260b	103	65-115	
Toluene-d8	8260b	102	50-120	

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

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						4221 Fr 2209 N. (512) 44	eidrich Lane, S Padre Island 4-5896 •	Suite 190 Dr., Corj FAX	), Austin, 7 pus Christi (512) 447-4	7874 , <b>7</b> 77 ,4766	44 & 3408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:1324 M.St Po Box EunicePhone:(505) 394-3481FAX:					Report#/Lab ID Project ID: 2000 Sample Name: H Sample Matrix: Date Received: Date Sampled:	#: 124268 0-10833 Vacun EVG121901BF soil 12/21/2001 12/19/2001	Repor n Gatheri 114-10' Time: Time:	rt Date: 0 ng 12:37 01:55	1/07/02		
REPORT OF ANALYSIS		·····		<u> </u>			QUALITY	ASSUR	ANCE DA	TA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124.3
Volatile organics-8260b/BTEX					01/02/02	8260b					
Benzene	<20	µg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	µg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	µg/Kg	20	<20	01/02/02	82606		0.3	93.3	89.6	95.1
o-Xylene	<20	µg/Kg	20	<20	01/02/02	82606		0.4	93.2	90.9	95.2
Toluene	<20	µg/Kg	20	<20	01/02/02	8260b		4.6	104.6	107.7	105.1
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my kn are consistent with AnalySys, Inc.'s Quality Assuranc Copyright 2000, AnalySys, Inc., Austin, TX. All rigi publication may be reproduced or transmitted in any for express written consent of AnalySys, Inc. R	ts I. Qua of the recove expres (RQL) typical dilutio associ- recove than a	lity assurance d relative percent red from a spike sed as the perce , typically at or ly denote USEF ns. 7. Data Qu ated method bla ry exceeds advi dvisory limit. N	ata is for the s (%) ditference ed sample. nt (%) recover a above the Pra PA procedures. ualifiers are J = nk(s). S1 =MS sory limit. S3 4 =Matrix inter	ample batch which inclus between duplicate measu 4. Calibration Verification y of analyte from a know actical Quantitation Limit Less than ("<") values to analyte potentially press and/or MSD recovery e =MS and/or MSD and Pl iference.	ded this sample. mements. 3. Rec on (CCV) and Lab in standard or mat t (PQL) of the and effect nominal qua ent between the P( xceed advisory lin DS recoveries exc	2. Precision overy (Reconstruction of the pro- poratory Construction of the pro- multical mentitation line of the pro- positive of the	on (PREC) is cov.) is the pe control Sample eporting Quar thod. 6. Me imits adjusted MDL. B = A Post digestion ry limits. P =	the absolutreent (%) of the control	ite value of analyte sults are mits pers quired ected in DS) higher		

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Client: Environmental Plus, Inc. Attn: Pat McÇasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121901BH14-10'

Report#/Lab ID#: 124268 Sample Matrix: soil

FAX (512) 447-4760

2209 IN. Fadre Island Dr., Corpus Christi, TX 7840408

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(512) 444-5896

# REPORT OF SURROGATE RECOVERY

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Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	131	50-150	
p-Terphenyl	8015 mod.	111	50-150	
1,2-Dichloroethane-d4	8260b	105	65-115	
Toluene-d8	8260b	101	50-120	

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

						4221 Fr 2209 N. (512) 44	eidrich Lane, Padre Island 4-5896 •	Suite 190 Dr., Cor FAX	, Austin, ' pus Christi (512) 447-4	1 7874 4766 7	44 & 8408
Client: Environmental Plus, Inc.						Report#/Lab ID	<b>)#:</b> 124269	Repor	rt Date: 0	1/07/02	
Attn: Pat McCasland						Project ID: 200	0-10833 Vacur	n Gatheri	ng		
Address: 1324 M.St Po Box						Sample Name: 1	EVG121901BI	H14-15'			
Eunice	NM 88231					Sample Matrix:	soil				
						Date Received:	12/21/2001	Time:	12:37		
Phone: (505) 394-3481 FAX:	(505) 394-2601					Date Sampled:	12/19/2001	Time:	02:10		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	ATA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS
TPH by GC (as diesel)	<5	mg/Kg	5.	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.0
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124.3
Volatile organics-8260b/BTEX					01/02/02	8260h					
Benzene	<20	µg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.
Ethylbenzene	<20	µg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7

<20

<20

<20

01/02/02

01/02/02

01/02/02

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted,

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results

<20

<20

<2()

Richard Laster

**Richard Laster** 

µg/Kg

µg/Kg

µg/Kg

20

20

20

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. M =Matrix interference.

8260b

8260b

8260b

0.3

0.4

4.6

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93.3

93.2

104.6

95.1

95.2

105.1

89.6

90.9

107.7

m,p-Xylenes

o-Xylene

Toluene

.

Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121901BH14-15'

Report#/Lab ID#: 124269 Sample Matrix: soil

FAX (512) 447-4760

2209 N. Padre Island Dr., Corpus Christi, TX 7840408

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(512) 444-5896

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	117	50-150	
p-Terphenyl	8015 mod.	67.5	50-150	
1,2-Dichloroethane-d4	8260b	106	65-115	
Toluenc-d8	8260b	102	50-120	

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

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. <b>L_/</b> ``			4221 Freidrich Lane, Suite 190, Austin, 1 78744 & 2209 N. Padre Island Dr., Corpus Christ (512) 444-5896 • FAX (512) 447-4766
Client:	Environmental Plus, Inc.		Report#/Lab 1D#: 124270 Report Date: 01/07/02
Attn:	Pat McCasland		Project ID: 2000-10833 Vacum Gathering
Address	: 1324 M.St Po Box		Sample Name: EVG121901BH15-2'
	Eunice	NM 88231	Sample Matrix: soil
			Date Received: 12/21/2001 Time: 12:37
Phone:	(505) 394-3481 FAX: (5	05) 394-2601	Date Sampled: 12/19/2001 Time: 02:20
	E OF ANALYSIS		

#### REPORT OF ANALYSIS

QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.	J	4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124
Volatile organics-8260b/BTEX					01/02/02	8260৮					
Benzene	<20	µg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	µg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	µg/Kg	20	<20	01/02/02	8260b		0.3	93.3	89.6	95.1
o-Xylene	<20	μg/Kg	20	<20	01/02/02	8260b		0.4	93.2	90.9	95.2
Toluene	<20	μg/Kg	20	<20	01/02/02	8260b		4.6	104.6	107.7	105.1

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Richard Lett.

Richard Laster

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 polentially 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.

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value

Client:Environmental Plus, Inc.Attn:Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121901BH15-2'

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Report#/Lab ID#: 124270

(512) 444-5896 • FAX (512) 447-4766

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Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

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Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzenc-d5	8015 mod.	128	50-150	
p-Terphenyl	8015 mod.	62.5	50-150	
1,2-Dichloroethane-d4	8260b	101	65-115	
Toluene-d8	8260b	101	50-120	

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

Attn: Pat McCasland

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  $\leq 6^{\circ}$ 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 TNRCC-TRRP reporting requirements) that the raw calculated analytic 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:		

L/''`	inc.
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Client:	Environmental Plus,	Inc
	- 160 1 1	

Attn: Pat McCasland

Address: 1324 M.St Po Box Eunice

#### (505) 394-3481 Phone:

FAX: (505) 394-2601

NM 88231

### REPORT OF ANALYSIS

4221 Freidrich Lane, Suite 190, Austin, T 8744 & 78408 2209 N. Padre Island Dr., Corpus Christi, (512) 444-5896 FAX (512) 447-4766

Report#/Lab 1D#: 124271	Report Date: 01/07/02						
Project ID: 2000-10833 Vacum	n Gathering						
Sample Name: EVG121901BH15-5'							
Sample Matrix: soil							
Date Received: 12/21/2001	<b>Time:</b> 12:37						
Date Sampled: 12/19/2001	<b>Time:</b> 02:30						

## **OUALITY ASSURANCE DATA1**

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		4.6	77.5	107.5	123.6
TPH by GC (as diesel-ext)					12/26/01	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	12/31/01	8015 mod.		16.1	94.5	108.8	124
Volatile organics-8260b/BTEX					01/02/02	8260b					
Benzenc	<20	µg/Kg	20	<20	01/02/02	8260b	,	5.1	101.3	103.7	103.1
Ethylbenzene	<20	µg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	µg/Kg	20	<20	01/02/02	8260b		0.3	93.3	89.6	95.1
o-Xylene	<20	µg/Kg	20	<20	01/02/02	8260b		0.4	93.2	90.9	95.2
Toluene	<20	μg/Kg	20	<20	01/02/02	8260b		4.6	104.6	107.7	105.1

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

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.



Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121901BH15-5' (512) 444-5896 • FAX (512) 447-47

Report#/Lab ID#: 124271 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzenc-d5	8015 mod.	108	50-150	
p-Terphenyl	8015 mod.	66	50-150	
1,2-Dichloroethane-d4	8260b	109	65-115	
Toluene-d8	8260b	102	50-120	

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

4221 Freidrich Lane, Suite 190, Austin, T 78744 & ТЭ 2209 N. Padre Island Dr., Corpus Christian 78408 (512) 444-5896 • FAX (512) 447-4766 Report#/Lab ID#: 124278 Report Date: 01/07/02 Environmental Plus, Inc. Client: Project ID: 2000-10833 Vacum Gathering Pat McCasland Attn: Sample Name: EVG121901BH15-10' Address: 1324 M.St Po Box 88231 Sample Matrix: soil Eunice NM Date Received: 12/21/2001 Time: 12:37 Date Sampled: 12/19/2001 Time: 02:45 FAX: (505) 394-2601 (505) 394-3481 Phone: **QUALITY ASSURANCE DATA<sup>1</sup> REPORT OF ANALYSIS** 

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.3	82	110.5	127.2
TPH by GC (as diesel-ext)					01/02/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	, <5	01/02/02	8015 mod.	J	1.2	93	101.6	125.
Volatile organics-8260b/BTEX		1			01/01/02	8260b					
Benzene	<20	µg/Kg	20	<20	01/01/02	8260b		16.8	86.6	87.2	85.4
Ethylbenzene	<20	µg/Kg	20	<20	01/01/02	8260b		1.4	96.8	95.2	98
m,p-Xylenes	<20	µg/Kg	20	<20	01/01/02	8260b		1.8	96.7	95.2	98
o-Xylene	<20	μg/Kg	20	<20	01/01/02	8260b		0.3	95.8	95.8	97.5
Toluene	<20	μg/Kg	20	<20	01/01/02	8260b		15.9	87.3	89.7	85
This analytical report is respectfully submitted the	by AnalySys, Inc. The	enclosed result	ts I. Qua	ulity assurance of the second se	tata is for the s	ample batch which inclu	ded this sample.	2. Precisi	on (PREC) is	s the absolu	ite value

are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Piogram. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form of by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster **Richard Laster** 

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 POL and the MDL. B = Analyte detected in associated method blank(s). SI =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.
2209 N. Padre Island Dr., Corpus Christi, TX 7840408

 (512) 444-5896
 FAX (512) 447-4766

lient:	Environ	ntal	Plus,	Inc.
ttn:	Pat McCasl	and		

\_ \_

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121901BH15-10'

Report#/Lab ID#: 124278 Sample Matrix: soil

# EPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Vitrobenzene-d5	8015 mod.	96.6	50-150	
o-Terphenyl	8015 mod.	103	50-150	
1,2-Dichloroethane-d4	8260b	107	65-115	
Foluene-d8	8260b	105	50-120	

Attn: Pat McCasland

### 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  $\leq 6^{\circ}$ 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 TNRCC-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 (cg. 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.
Notes:		

Client:	Environmental Plus, I	lnc.			
Attn:	Pat McCasland				
Address:	1324 M.St Po Box				
	Eunice			NM	88231
Phone:	(505) 394-3481	FAX:	(505)	394-26	501

### REPORT OF ANALYSIS

4221 Freidrich Lane, Suite 190, Austin, 77, 78744 & 2209 N. Padre Island Dr., Corpus Christop X 78408 (512) 444-5896 • FAX (512) 447-4766

Report#/Lab ID#: 124279	Report Date: 01/07/02	
Project ID: 2000-10833 Vacur	n Gathering	
Sample Name: EVG121901BI	H15-15'	
Sample Matrix: soil		
Date Received: 12/21/2001	<b>Time:</b> 12:37	
Date Sampled: 12/19/2001	<b>Time: 03:00</b>	

### QUALITY ASSURANCE DATA<sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.3	82	110.5	127.2
TPH by GC (as diesel-ext)					01/02/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.2	93	101.6	125
Volatile organics-8260b/BTEX					01/01/02	8260b					
Benzene	<20	µg/Kg	20	<20	01/01/02	82606		16.8	86.6	87.2	85.4
Ethylbenzene	<20	μg/Kg	20	<20	01/01/02	8260b		1.4	96.8	95.2	98
m,p-Xylenes	<20	μg/Kg	20	<20	01/01/02	8260b		1.8	96.7	95.2	98
o-Xylene	<20	µg/Kg	20	<20	01/01/02	8260b		0.3	95.8	95.8	97.5
Toluene	<20	µg/Kg	20 ·	<20	01/01/02	8260b		15.9	87.3	89.7	85
This analytical report is respectfully submitted by Ana	lySys, Inc. The	enclosed result	is 1. Qua	lity assurance d	ata is for the s	ample batch which inclu	ded this sample.	2. Precisi	on (PREC) is	the absolu	ute value

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted, Richard Latter

**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. M =Matrix interference.

(512) 444-5896 • FAX (512) 447-4766

ient:	Environmental Plus, Inc.
tn:	Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG121901BH15-15' Report#/Lab ID#: 124279 Sample Matrix: soil

# EPORT OF SURROGATE RECOVERY

urrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
litrobenzene-d5	8015 mod.	71.7	50-150	
-Terphenyl	8015 mod.	104	50-150	
,2-Dichloroethane-d4	8260b	106	65-115	
Foluene-d8	8260b	101	50-120	

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

I

Send Reports     Send Reports       Company Name     Environme       Address     2100     AUC       Address     2100     AUC       State     State       ATTN:     Bat     Mail       Phone     Satis     State	Bill t Com Addr City ATT Phon	Bill to (if difference: Company Name Eatt Address <u>5805 E Hahway 80</u> City <u>Mudlanol</u> State X Zip <u>79701</u> ATTN: <u>Wayne Source</u> Phone Fax										4221 Freidrich Lane, Suite Austin, TX 7 (512) 444-5896 								
Lush Status (must be confirm roject Name/PO#: 2000- VACUM Client Sample No.	ned with la 10833 (34MC) Date	b mgr.): Samp 2111G Time	ler: <u>En</u>	adly.	.B.l.s.	<u>edin</u>	  Lab I.D. #			2016	40.0	-   								
Description/Identification	Sampled	Sampled	Containers	Soll	Water	Waste	(Lab only)	Ζ	Z	Z		$\angle_{f}$		4	$ \leftarrow$	Comments.				
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EUGIZISDIBH9-5'	12-18-01	815		X			124253													
EUGIZISOI BH9-10'	12-18-01	8:35		X			124254		X											
5.VG12.1801BH9-15	13-18.51	8.50	<u>(</u>	×			124255	,	X											
EUGIAISCIBHIO-2'	12.1801	9:10	l	X			124256	· ·	x											
EVG121801 BH 10-5'	12-18-01	9:25		X			124257		X											
EVGIZISCIBHIO*io'	12-18-01	9:40	1	X			124258		$\times$											
EVG121901 BH 10-15	12-18-51	10:00	i	X			124259	2	X											
ENGIZIANBH 11-2'	12-18-01	13:30	ŀ	X			124260		X											
EUGIZISOIBH11.5'	12-18-01	12:40	۱ ۱	X			124261		×											

)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 reported to ASI's

Temp. O. O' \_\_\_\_\_ Sample Received By Sample Relinquished By Name Affiliation Date Time Name Affiliation Dale Time 12-11-01 12:37 E AST ENUINGIMENTA PILIS 12-18-01

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

CHANN-S TO														_1L )		C.Y					
Send Report	Bill t	Bill to (if differ SE):																			
Company Name	ENVION	MC12701	FIUS	Com	pany	Nam	e_ <u>iž</u>	-tt-					4221 Freidrich Lane, Suite 190, Austin, TX 787 (512) 444-5896								
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EVGIZIANBI	1/3-15'-	12:19-01	1:15	1	X		     	124265	 	$\times$											
EUGIZI9013H	114.2'	13-19-01	1:25	<u> </u>	X		ļ	124266	12	X				ļ							
EVG121901BM	114-5	12-19-51	1.:40	1	X	·		124267	12-	X			ļ	ļ	<u> </u>						
EVGIZIGOIBH	14-10'	12.17-01	1:55	1	X			124268	 _ `_	X			ļ	<u> </u>	<u> </u>						
EVGIZIQCIBL	114-15'	12-19-01	2:10		X		 	124269		$\times$		<u> </u>									
EUGIZI90IRH	15-2	12-19-01	2:20	1	X			124270		$\times$											
EUGIZIGOLBHI	5-5-1	13-M-01	3:30		X			124271	Ĺ	X								•			
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TTN: <u>Par</u>	R! Caspand			ATTN: Wayne Fromette									_ Analyses Requested (1)								
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roject Name/PC	)#: <u></u>	-10833 Latteri	Samp	oler: <u>Da</u>	<u>d Lig</u>	- Elij					1012	103	/	//	/ /	/ /					
Client Sam Description/Ide	ple No.	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)		<u>P</u>	let	¥ /						Com	ments		
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EUGIZISOIBI	111 - 15	13-18-51	2:05	1	X			124273		$\boldsymbol{X}$											
EUGIZISIOI BHI	2 ~ 2	12-14.01	2:15	1	X			124274		X											
EVGIJISCIBH	2.5'	12-18-01	2:40		X	<u> </u>		124275	1 /	$ \times$			 								
EVG121801BH	12-10	12-18-01	2:55	1	X			124276	 - <b> </b>	$\times$				 							
EUGIZISOI BHI	2-15	12-18-01	3:20	i	X			124277	1/-	$ \times$			ļ		<u> </u>			·			
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Stall, Bl-	ENVIRONNE	Noi PI	<i>ius</i>				E	1-7-	5		AS	Ĩ.				12	2010	1	12:37		
Fondaring of ober	a described som	nles to Ar	aluQue Ir	o for anal		testing	Consti	tutes agreem	ent b	v hu	er/co	mnl	er to	Anal	vSve		le stand	lard to	me l		
rendering of abov	e desended sam	pice to All	ury0y3, 11	io. ioi anai	Jucar		, conor			, ouj	- <del>-</del> - 1 / 5 u	mpn		- 11141	. <u>,</u> 0 y 2	, 110	, o otailt		<b>1113. j</b>		

end Reports Environment ompany Name Environment ddress IICC Are C	JTALË	Bill t Comp Addr	Bill to (if different): Company Name Est Address 5805 E Hwy 80											4221 Freidrich Lane, Suit. (512) 444-5896							
ity <u>Equivice</u> State $\underline{\mathcal{I}}_{a,1}$ . TTN: $\underline{\mathcal{I}}_{a,7}$ <u>M Castand</u> hone <u>Sec. 394-3'451</u> Fax <u>a</u>	88331	ATT Phon	ATTN: <u>Mayne State</u> Phone Fax											Analyses Requested (1) Please attach explanatory information as req							
ush Status (must be confirmed roject Name/PO#: <u>2000-10</u> <u>i/Acum 6</u> Client Sample No. Description/Identification	d with la	b mgr.): Samp  Time Sampled	ler: <u>Jra</u>	<u>Lizy</u> Soll	<i>Blo</i>	Waste	Lab I.D. #		1011	1311 1311 1311 1311 1311							Comments				
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	Sample Relinquishe	ed By			Šample Receiv	ed By	
Name	Affiliation	Date	Time	Name	Amiliation	Dale	Time
Bradlas B.	EPI			8:15	- AST	12-21-01	12:37
- i							

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

-611	inc.	
Client:	Environmental Plus, Inc.	]
Attn:	Pat McCasland	

NM

FAX: (505) 394-2601

88231

 4221 Freidrich Lane, Suite 190, Austin, T
 78744 &

 2209 N. Padre Island Dr., Corpus Christi,
 78408

 (512) 444-5896
 • FAX (512) 447-4766

Report#/Lab ID#: 124377	<b>Report Date: 01/07/02</b>								
Project ID: 2000-10833 Vacun	n Gathering								
Sample Name: EVG122001BH16-2'									
Sample Matrix: soil									
Date Received: 12/28/2001	<b>Time:</b> 10:32								
Date Sampled: 12/20/2001	Time: 08:00								

### REPORT OF ANALYSIS

Phone:

(505) 394-3481

Address: 1324 M.St Po Box

Eunice

**QUALITY ASSURANCE DATA<sup>1</sup>** 

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.3	82	110.5	127.2
TPH by GC (as diesel-ext)					01/02/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.2	93	101.6	125.
Volatile organics-8260b/BTEX					01/02/02	8260b					
Benzene	<20	µg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	µg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	µg/Kg	20	<20	01/02/02	8260b		0.3	93.3	89.6	95.1
o-Xylene	<20	µg/Kg	20	<20	01/02/02	8260b		0.4	93.2	90.9	95.2
Toluene	<20	µg/Kg	20	<20	01/02/02	8260b		4.6	104.6	107.7	105.1

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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 Qualifies 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. M =Matrix interference.

			(512) 444-5896 •	FAX (512) 447-476
Client:	Environmental Plus, Inc.	Project ID: 2000-10833 Vacum Gathering		Report#/Lab ID#: 124377
Attn:	Pat McCasland	Sample Name: EVG122001BH16-2		Sample Matrix: soil

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# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	83.3	50-150	
p-Terphenyl	8015 mod.	140	50-150	
1,2-Dichloroethane-d4	8260b	109	65-115	
7°oluene-d8	8260b	98.2	50-120	

						4221 Fr 2209 N. (512) 44	eidrich Lane, S Padre Island 4-5896 •	Suite 190 Dr., Cor FAX	), Austin, 7 pus Christi (512) 447-4	7 787 1, 7 1700 7	44 & 8408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice Phone: (505) 394-3481 FAX: (505)	NM 88231 394-2601					Report#/Lab ID Project ID: 200 Sample Name: H Sample Matrix: Date Received: Date Sampled:	#: 124378 0-10833 Vacun EVG122001BF soil 12/28/2001 12/20/2001	Repor n Gatheri 116-5' Time: Time:	rt Date: 0 ng 10:32 08:15	1/07/02	
REPORT OF ANALYSIS QUALITY ASSURANCE DATA <sup>1</sup>											
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.3	82	110.5	127.2
TPH by GC (as diesel-ext)					01/02/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.2	93	101.6	125.
Volatile organics-8260b/BTEX					01/02/02	8260b					
Benzene	<20	μg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	μg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	μg/Kg	20	<20	01/02/02	8260b		0.3	93.3	89.6	95.1
o-Xylene	<20	µg/Kg	20	<20	01/02/02	8260b		0.4	93.2	90.9	95.2
Toluene	<20	μg/Kg	20	<20	01/02/02	8260b		4.6	104.6	107.7	105.1
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.

Page#: 1 Report Date: 01/07/02

Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG122001BH16-5' (512) 444-5896 • FAX (512) 447-4766

www in raure Island Dr., Corpus Christi, TX 7840408

Report#/Lab ID#: 124378 Sample Matrix: soil

## EPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	93.7	50-150	
o-Terphenyl	8015 mod.	117	50-150	
1,2-Dichloroethane-d4	8260b	105	65-115	
Foluene-d8	8260b	90.2	50-120	

						4221 Fr 2209 N. (512) 44	eidrich Lane, S Padre Island 4-5896 •	Suite 190 Dr., Cor FAX	), Austin, 2 pus Christi (512) 447-4	7872 7872 7872 7872	14 & 3408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice Phone: (505) 394-3481 FAX: (505)	NM 88231 394-2601					Report#/Lab ID Project ID: 2000 Sample Name:H Sample Matrix: Date Received: Date Sampled:	#: 124379 0-10833 Vacun EVG122001BF soil 12/28/2001 12/20/2001	Repor n Gatheri H16-10' Time: Time:	rt Date: 0 ng 10:32 08:35	1/07/02	
REPORT OF ANALYSIS											
Parameter	Result	Units	RQL <sup>3</sup>	Blank	Date	Method	Data Qual'	Prec. <sup>2</sup>	Recov?	CCV4	LCS4
TPH by GC (as diesel)	<>	mg/Kg	2	<>	01/02/02	8015 mod.		1.3	82	110.5	127.2
TPH by GC (as descline)		ma/Ka	5		01/02/02	3340 8015 mod		1 2	03	101.6	1251
Veluile econice 22(0) (DTEV	~~~	mg/Kg			01/02/02	8010 mod.		1.2		101.0	125.0
					01/02/02	82000					
Benzene	<20	µg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	µg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	µg/Kg	20	<20	01/02/02	8260Ն		0.3	93.3	89.6	95.1
o-Xylene	<20	µg/Kg	20	<20	01/02/02	8260b		0.4	93.2	90.9	95.2
Toluene	<20	μg/Kg	20	<20	01/02/02	8260b		4.6	104.6	107.7	105.1
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(512) 444-5896 • FAX (512) 447-476

Client: Enviro ental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG122001BH16-10'

Report#/Lab ID#: 124379 Sample Matrix: soil

124.1

## REPORT OF SURROGATE RECOVERY

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Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	130	50-150	
p-Terphenyl	8015 mod.	98.3	50-150	
1,2-Dichloroethane-d4	8260b	109	65-115	
Toluene-d8	8260b	99.4	50-120	

						4221 Fr 2209 N. (512) 44	eidrich Lane, 8 Padre Island 4-5896 •	Suite 190 Dr., Corj FAX	, Austin, 2 pus Christi (512) 447-4	7874 4766	14 & · 8408
Client:Environmental Plus, Inc.Report#/Lab ID#: 124380Report#/Lab ID#: 124380Attn:Pat McCaslandProject ID: 2000-10833 Vacum Gath Sample Name: EVG122001BH16-15Address:1324 M.St Po Box EuniceSample Name: EVG122001BH16-15BuniceNM 88231Sample Matrix: soilDate Received:12/28/2001TimDate Sampled:12/20/2001Tim											
REPORT OF ANALYSIS							QUALITY	ASSURA	ANCE DA	ATA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.3	82	110.5	127.2
TPH by GC (as diesel-ext)					01/02/02	3540					!
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.2	93	101.6	125.8
Volatile organics-8260b/BTEX		[			01/02/02	8260b					
Benzene	<20	μg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	μg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	µg/Kg	20	<20	01/02/02	8260b		0.3	93.3	89.6	95.1
o-Xylene	<20	µg/Kg	20	<20	01/02/02	82606		0.4	93.2	90.9	95.2
Toluene	<20	μg/Kg	20	<20	01/02/02	8260b		4.6	104.6	107.7	105.1

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Richard Laster

**Richard Laster** 

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(512) 444-5896 ٠

---- ... radie island Dr., Corpus Christi, 1A /840408 FAX (512) 447-476

> Report#/Lab ID#: 124380 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

ental Plus, Inc.

Client:

Attn:

Envire

Pat McCasland

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	76.5	50-150	
p-Terphenyl	8015 mod.	99	50-150	
1,2-Dichloroethane-d4	8260b	102	65-115	
Toluene-d8	8260b	113	50-120	

Project ID: 2000-10833 Vacum Gathering

Sample Name: EVG122001BH16-15'

ا <del>س</del> ندا		4221 Freidrich Lane, Suite 190, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, 78408 (512) 444-5896 • FAX (512) 447-4700
Client:	Environmental Plus, Inc.	Report#/Lab ID#: 124381 Report Date: 01/07/02
Attn:	Pat McCasland	Project ID: 2000-10833 Vacum Gathering
Address	: 1324 M.St Po Box	Sample Name: EVG122001BH17-2'
	Eunice NM 88231	Sample Matrix: soil
		Date Received: 12/28/2001 Time: 10:32
Phone:	(505) 394-3481 FAX: (505) 394-2601	Date Sampled: 12/20/2001 Time: 09:10
REPOR'	T OF ANALYSIS	OUALITY ASSURANCE DATA <sup>1</sup>

### Prec.<sup>2</sup> Recov.<sup>3</sup> RQL<sup>5</sup> CCV<sup>4</sup> Result Method<sup>6</sup> Data Qual<sup>7</sup> LCS<sup>4</sup> Units Blank Date Parameter <5 5 TPH by GC (as diesel) <5 01/02/02 1.3 82 110.5 127.2 mg/Kg 8015 mod. ---TPH by GC (as diesel-ext) ---01/02/02 3540 ------------------------TPH by GC (as gasoline) 5 101.6 <5 mg/Kg <5 01/02/02 8015 mod. 1.2 93 125. ---Volatile organics-8260b/BTEX 01/02/02 8260b ---------------------<20 01/02/02 8260b Benzene <20 20 μg/Kg 5.1 101.3 103.7 103.1 ---Ethylbenzene <20 20 <20 01/02/02 8260b µg/Kg 0.6 89.3 92.6 94.7 --m,p-Xylenes µg/Kg 20 01/02/02 <20 <20 8260b 0.3 93.3 89.6 95.1 --o-Xylene <20 20 µg/Kg <20 01/02/02 8260b 90.9 95.2 0.493.2 ---20 Toluene <20 µg/Kg <20 01/02/02 8260b 4.6 104.6 107.7 105.1 ---

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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. M =Matrix interference.

Richard Laster

**Richard Laster** 

Client: Environmental Plus, Inc. Attn: Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG122001BH17-2'

Report#/Lab ID#: 124381 Sample Matrix: soil

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FAX (512) 447-476

2207 IN. Faure Island Dr., Corpus Christi, TX 7840408

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(512) 444-5896

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	112	50-150	
p-Terphenyl	8015 mod.	114	50-150	
1,2-Dichloroethane-d4	8260b	102	65-115	
Toluene-d8	8260b	102	50-120	

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

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L., 1	inc.						4221 Freidrich La 2209 N. Padre Isl (512) 444-5896	ane, Suite 190, Austin, TX 78744 & and Dr., Corpus Christi • FAX (512) 447-4750
Client:	Environmental Plus	, Inc.				-	Report#/Lab 1D#: 124382	Report Date: 01/07/02
Attn:	Pat McCasland						Project ID: 2000-10833 V	acum Gathering
Address	: 1324 M.St Po Box						Sample Name: EVG12200	01BH17-5'
	Eunice	NM 88231					Sample Matrix: soil	
							Date Received: 12/28/200	<b>Time:</b> 10:32
Phone:	(505) 394-3481	FAX: (505) 394-2601					Date Sampled: 12/20/200	11 Time: 09:25
REPOR'	T OF ANALYSIS						QUALI	Γ <u>Υ ASSURANCE DATA</u> <sup>1</sup>
Paramet		Result	Units	ROL <sup>5</sup>	Blank	Date	Method 6 Data Ou	1017 Prec 2 Recov <sup>3</sup> CCV <sup>4</sup> LC

Parameter	Result	Units	RQL <sup>3</sup>	Blank	Date	Method <sup>o</sup>	Data Qual'	Prec. <sup>4</sup>	Recov?	CCV4	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.3	82	110.5	127.2
TPH by GC (as diesel-ext)					01/02/02	3540					<u> </u>
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.2	93	101.6	125.8
Volatile organics-8260b/BTEX					01/02/02	8260b					
Benzene	<20	µg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	µg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	μg/Kg	20	<20	01/02/02	8260b		0.3	93.3	89.6	95.1
o-Xylene	<20	µg/Kg	20	<20	01/02/02	8260b		0.4	93.2	90.9	95.2
Toluene	<20	μg/Kg	20	<20	01/02/02	8260b	ll	4.6	104.6	107.7	105.1
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Richard Laster

**Richard Laster** 

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Client: ntal Plus, Inc. Enviro Pat McCasland Attn:

-----(512) 444-5896

Project ID: 2000-10033 Vacum Gathering

Sample Name: EVG122001BH17-5'

Jus Christi, IA 7040400 FAX (512) 447-4766

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Report#/Lab ID#: 124382 Sample Matrix: soil

# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	103	50-150	
p-Terphenyl	8015 mod.	109	50-150	
1,2-Dichloroethane-d4	8260b	111	65-115	
Toluene-d8	8260b	106	50-120	

						4221 Fr 2209 N. (512) 44	eidrich Lane, S Padre Island 4-5896 •	Suite 190 Dr., Corj FAX	, Austin, T pus Christi (512) 447-4	7874 4760 78	44 & 8408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice Phone: (505) 394-3481 FAX: (505	NM 88231 ) 394-2601					Report#/Lab ID Project ID: 2000 Sample Name: H Sample Matrix: Date Received: Date Sampled:	v#: 124383 0-10833 Vacum EVG122001BF soil 12/28/2001 12/20/2001	Repor a Gatherin {17-10' Time: Time:	rt Date: 0 ng 10:32 09:45	1/07/02	
REPORT OF ANALYSIS						<u></u>	QUALITY	<u>ASSUR</u>	ANCE DA	ATA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.3	82	110.5	127.2
TPH by GC (as diesel-ext)					01/02/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.2	93	101.6	125.8
Volatile organics-8260b/BTEX					01/02/02	8260b					
Benzene	<20	μg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	µg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	µg/Kg	20	<20	01/02/02	8260b		0.3	93.3	89.6	95.1
o-Xylene	<20	μg/Kg	20	<20	01/02/02	8260b		0.4	93.2	90.9	95.2
Toluene	<20	μg/Kg	20	<20	01/02/02	8260b		4.6	104.6	1077	105.1

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. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted,

Richard Laster

**Richard Laster** 

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(512) 444-5896 • FAX (512) 447-476

Client:	Envirogental Plus, Inc.
Attn:	Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG122001BH17-10'

Report#/Lab ID#: 124383 Sample Matrix: soil

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# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	94.7	50-150	
p-Terphenyl	8015 mod.	107	50-150	
1,2-Dichloroethane-d4	8260b	101	65-115	
Toluene-d8	8260b	108	50-120	

	4221 Freidrich Lane, Suite 190, Austin, 72, 78744 & - 2209 N. Padre Island Dr., Corpus Christop X, 78408 (512) 444-5896 • FAX (512) 447-4766
Client: Environmental Plus, Inc.	Report#/Lab ID#: 124384 Report Date: 01/07/02
Attn: Pat McCasland	Project ID: 2000-10833 Vacum Gathering
Address: 1324 M.St Po Box	Sample Name: EVG122001BH17-15'
Eunice NM 88231	Sample Matrix: soil
	Date Received: 12/28/2001 Time: 10:32
Phone: (505) 394-3481 FAX: (505) 394-2601	Date Sampled: 12/20/2001 Time: 10:00
REPORT OF ANALYSIS	QUALITY ASSURANCE DATA <sup>1</sup>

### Data Qual<sup>7</sup> Prec.<sup>2</sup> Recov<sup>3</sup> CCV<sup>4</sup> RQL<sup>5</sup> Method<sup>6</sup> LCS<sup>4</sup> Units Blank Date Parameter Result <5 01/02/02 TPH by GC (as diesel) mg/Kg S <5 8015 mod. 1.3 82 110.5 127.2 ---TPH by GC (as diesel-ext) ------01/02/02 3540 ---------------------TPH by GC (as gasoline) <5 mg/Kg 5 <5 01/02/02 8015 mod. 1.2 93 101.6 125.8 ---Volatile organics-8260b/BTEX 01/02/02 8260b ---------------------μg/Kg <20 01/02/02 8260b Benzene <20 20 101.3 5.1 103.7 103.1 ---01/02/02 <20 20 <20 Ethylbenzene µg/Kg 8260b 0.6 92.6 89.3 94.7 --µg/Kg <20 01/02/02 m.p-Xylenes <20 20 8260b 0.3 93.3 89.6 95.1 ---01/02/02 µg/Kg o-Xylene <20 20 <20 8260b 93.2 90.9 95.2 ---0.4 Toluene <20 µg/Kg 20 <20 01/02/02 107.7 8260b 4.6 104.6 105.1 ----

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Respectfully Submitted, Richard Laster Richard Laster

Page#: 1 Report Date: 01/07/02

Client: Enviromental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG122001BH17-15' • FAX (512) 447-476 Report#/Lab ID#: 124384

---- the rate island Dr., Corpus Christi, 1X 7840408

(512) 444-5896

Sample Matrix: soil

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# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	138	50-150	
p-Terphenyl	8015 mod.	110	50-150	
1,2-Dichloroethane-d4	8260b	101	65-115	
Toluene-d8	8260b	101	50-120	

ا سنما	inc.	2209 N. Padre Island Dr., Corpus Christ (512) 444-5896 • FAX (512) 447-4.56
Client: En	vironmental Plus, Inc.	Report#/Lab ID#: 124385 Report Date: 01/07/02
Attn: Pat	McCasland	Project ID: 2000-10833 Vacum Gathering
Address: 13	24 M.St Po Box	Sample Name: EVG122001BH18-2'
Eu	nice NM 88231	Sample Matrix: soil
		Date Received: 12/28/2001 Time: 10:32
Phone: (50	D5) 394-3481 FAX: (505) 394-2601	Date Sampled: 12/20/2001 Time: 12:35
REPORT O	FANALYSIS	OUALITY ASSURANCE DATA <sup>1</sup>

### ROL<sup>5</sup> Data Qual<sup>7</sup> Prec.<sup>2</sup> Recov.<sup>3</sup> Method<sup>6</sup> CCV<sup>4</sup> LCS<sup>4</sup> Units Parameter Result Blank Date TPH by GC (as diesel) <5 mg/Kg 5 <5 01/02/02 110.5 127.2 8015 mod. 1.3 82 ---01/02/02 3540 TPH by GC (as diesel-ext) ------------------------TPH by GC (as gasoline) <5 mg/Kg 5 <5 01/02/02 8015 mod. 1.2 93 101.6 125.8 ---Volatile organics-8260b/BTEX 01/02/02 8260b -----------------µg/Kg <20 01/02/02 8260b Benzene < 2020 5.1101.3 103.7 103.1 ---01/02/02 Ethylbenzene <20 µg/Kg 20 <20 8260b 0.6 92.6 89.3 94.7 .... m,p-Xylenes <20 µg/Kg 20 <20 01/02/02 93.3 8260b 0.3 89.6 95.1 ---o-Xylene <20 ug/Kg 20 <20 01/02/02 8260b 0.4 93.2 90.9 95.2 ---<20 µg/Kg 20 <20 Toluene 01/02/02 8260b 4.6 105.1 ---104.6 107.7

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Respectfully Submitted.

Richard Laster Richard Laster

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Environmental Plus, Inc. Pat McCasland

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG122001BH18-2'

Report#/Lab ID#: 124385 Sample Matrix: soil

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(512) 444-5896 • FAX (512) 447-47(

## REPORT OF SURROGATE RECOVERY

Client:

Attn:

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	115	50-150	
p-Terphenyl	8015 mod.	115	50-150	
1,2-Dichloroethane-d4	8260b	112	65-115	
Toluene-d8	8260b	107	50-120	

<u>LI.</u>	inc.		4221 Freidrich Lane, Suite 190, Austin, 727, 78744 & . 2209 N. Padre Island Dr., Corpus Christ 78408 (512) 444-5896 • FAX (512) 447-4766
Client:	Environmental Plus, Inc.		Report#/Lab ID#: 124386 Report Date: 01/07/02
Attn:	Pat McCasland		Project ID: 2000-10833 Vacum Gathering
Address	: 1324 M.St Po Box		Sample Name: EVG122001BH18-5'
	Eunice	NM 88231	Sample Matrix: soil
			Date Received: 12/28/2001 Time: 10:32
Phone:	(505) 394-3481 FAX:	(505) 394-2601	Date Sampled: 12/20/2001 Time: 01:00
REPOR'	T OF ANALYSIS		QUALITY ASSURANCE DATA <sup>1</sup>

Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.3	82	110.5	127.2
TPH by GC (as diesel-ext)					01/02/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	01/02/02	8015 mod.	J	1.2	93	101.6	125.8
Volatile organics-8260b/BTEX					01/02/02	8260b					
Benzene	<20	µg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	µg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	µg/Kg	20	<20	01/02/02	8260b		0.3	93.3	89.6	95.1
o-Xylene	<20	µg/Kg	20	<20	01/02/02	8260b	ll	0.4	93.2	90.9	95.2
Toluene	<20	μg/Kg	20	<20	01/02/02	8260b		4.6	104.6	107.7	105.1

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Richard Laster

**Richard Laster** 

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Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2000-10833 Vacum Gathering Sample Name: EVG122001BH18-5'

Report#/Lab ID#: 124386 Sample Matrix: soil

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# EPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	115	50-150	
o-Terphenyl	8015 mod.	115	50-150	
I,2-Dichloroethane-d4	8260b	110	65-115	
Foluene-d8	8260b	106	50-120	

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

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Attn: Pat McCasland



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### 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  $\leq 6^{\circ}$ 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 TNRCC-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.
Notes:		

						4221 Fr 2209 N. (512) 44	eidrich Lane, 1 Padre Island 14-5896 •	Suite 190 Dr., Cor FAX	), Austin, pus Christ (512) 447-	TX 7874	44 & 8408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 1324 M.St Po Box Eunice Phone: (505) 394-3481 FAX: (50	NM 88231 05) 394-2601					Report#/Lab II Project ID: 200 Sample Name: I Sample Matrix: Date Received: Date Sampled:	0#: 124387 0-10833 Vacun EVG122001BF soil 12/28/2001 12/20/2001	Repor Gatheri 118-10' Time: Time:	rt Date: 0 ng 10:32 01:15	1/07/02	
REPORT OF ANALYSIS	<u> </u>						QUALITY	ASSUR	ANCE DA	ATA <sup>1</sup>	
Parameter	Result	Units	RQL <sup>5</sup>	Blank	Date	Method <sup>6</sup>	Data Qual <sup>7</sup>	Prec. <sup>2</sup>	Recov.3	CCV <sup>4</sup>	LCS <sup>4</sup>
TPH by GC (as diesel)	<5	mg/Kg	5	<5	01/02/02	8015 mod.		1.3	82	110.5	127.2
TPH by GC (as diesel-ext)			01/02/02	3540							
TPH by GC (as gasoline)	5	<5	01/02/02	8015 mod.		1.2	93	101.6	125.8		
Volatile organics-8260b/BTEX			01/02/02	8260b							
Benzene	<20	µg/Kg	20	<20	01/02/02	8260b		5.1	101.3	103.7	103.1
Ethylbenzene	<20	µg/Kg	20	<20	01/02/02	8260b		0.6	92.6	89.3	94.7
m,p-Xylenes	<20	μg/Kg	20	<20	01/02/02	8260b		0.3	93.3	89.6	95.1
o-Xylene	<20	µg/Kg	20	<20	01/02/02	8260b		0.4	93.2	90.9	95.2
Toluene	<20	µg/Kg	20	<20	01/02/02	8260b		4.6	104.6	107.7	105.1
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than advisory limit. M =Matrix interference.

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Richard Laster

(512) 444-5896 • FAX (512) 447-476

### Client: Énvire

ental Plus, Inc. Pat McCasland Attn:

Project ID: 2000-10833 Vacum Gathering Sample Name: EVG122001BH18-10'

Report#/Lab ID#: 124387 Sample Matrix: soil

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# REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	98.3	50-150	
p-Terphenyl	8015 mod.	103	50-150	
1,2-Dichloroethane-d4	8260b	113	65-115	
Toluene-d8	8260b	117	50-120	

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

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	4221 Freidrich Lane, Suite 190, Austin, TX 78744 & . 2209 N. Padre Island Dr., Corpus Christi (512) 444-5896 • FAX (512) 447-4766
Client: Environmental Plus, Inc.	Report#/Lab ID#: 124388 Report Date: 01/07/02
Attn: Pat McCasland	Project ID: 2000-10833 Vacum Gathering
Address: 1324 M.St Po Box	Sample Name: EVG122001BH18-15'
Eunice NM 88231	Sample Matrix: soil
	Date Received: 12/28/2001 Time: 10:32
Phone: (505) 394-3481 FAX: (505) 394-2601	Date Sampled: 12/20/2001 Time: 01:40
REPORT OF ANALYSIS	OUALITY ASSURANCE DATA <sup>1</sup>

### RQL<sup>5</sup> Method<sup>6</sup> Data Oual<sup>7</sup> Prec.<sup>2</sup> Recov<sup>3</sup> CCV<sup>4</sup> LCS<sup>4</sup> Result Units Blank Date Parameter 01/02/02 TPH by GC (as diesel) <5 mg/Kg 5 <5 8015 mod. 1.3 82 110.5 127.2 ---TPH by GC (as diesel-ext) ---01/02/02 3540 ------------------------TPH by GC (as gasoline) <5 mg/Kg 5 <5 01/02/02 8015 mod. 125. 1.2 93 101.6 ---Volatile organics-8260b/BTEX 01/02/02 8260b ---------------------<20 μg/Kg 20 <20 Benzene 01/02/02 8260b 5.1 101.3 103.7 103.1 ---Ethylbenzene µg/Kg <20 20 <20 01/02/02 8260b 0.6 92.6 89.3 94.7 --m,p-Xylenes <20 μg/Kg 20 <20 01/02/02 8260b 0.3 93.3 89.6 95.1 --o-Xylene <20 μg/Kg 20 <20 01/02/02 8260b 90.9 0.4 93.2 95.2 ---Toluene <20 µg/Kg 20 <20 01/02/02 8260b 107.7 4.6 104.6 105.1 \_\_\_

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Richard Laster **Richard Laster** 

Page#: 1 Report Date: 01/07/02

2207 IN. Faure Island Dr., Corpus Christi, TX 7840408 (512) 444-5896 Project ID: 2000-10833 Vacum Gathering Client: Énvironmental Plus, Inc. Attn: Pat McCasland

Sample Name: EVG122001BH18-15'

Report#/Lab ID#: 124388 Sample Matrix: soil

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FAX (512) 447-476

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## REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	<b>Recovery</b> Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	82.6	50-150	
p-Terphenyl	8015 mod.	109	50-150	
1,2-Dichloroethane-d4	8260b	102	65-115	
J'oluene-d8	826Ub	113	50-120	

n <b>Reports 10</b> 1pany Name <u>Sublication</u> ress <u>2100 Ade 0</u> State	Bill to (II different)       Company Name       Address       City       Mail       Address									422	I Fre	idric	h Lan (5	e, Suite 19( 12) 444-5896	♥ II IL Istin, TX	78744		
N: <u>for ME Casta</u> ne 55-394-3481 Fax	505- 39	4-260 i	_ ATT _ Phon	N: <u>/</u> N: <u>/</u> ie	i Agon	<u>=</u> 6	Rrune He Fax		- F			AL.	Ple	A asc at	naly	ses Requ	ested (1	l) required
h Status (must be confirm ect Name/PO#: <u>2000</u> - VAcum	ned with la /0323 Gathering	b mgr.): Samp	ler: <del>Zro</del>	zlby ,	Bla						CORRECT OF							
Client Sample No. escription/Identification	Date Sampled	1 ime Sampled	No. of Containers	Soll	Water	Waste	(Lab only)	Ľ						$\angle$	$\angle$		mments	
1G122001BH16-2	12-20.01	8:00	(	×			124377	•										μ
G123001BH16-5	13-20-01	8:15		X			124378	·										
G122001 BH16-10'	12-29-01	8:35	1	X			124379	<u> </u>										
GIDDAALBHIG-15	13-34-01	3:50	1	X			124380	12										
UG122001B117-2	6-20.01	9:10	<u>}</u>	r		<u> </u>	124381	· · ·	<									
16122001BH17-5	12.20-51	9:35	1	X			124382		<									
1G122001BH17-10	12-20-01	9:45	1	X			124383		1.									
161220018H17-15	12:10-21	10:00	1	X			124384		.۲									
16122001BH18-21	12-20-21	12:35	1	X			124385	`.	$ $ $\prec$							:		1 1. 1.
	12-20-01	1:00	s 	X			124386		.<							· ·		

ess 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 reporting (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 Pollutants of ISL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

<u></u>	Sample Relinqu	ished By		I	Sample Receiv	ved By	
Name	Affiliation	Date	Time	Name	Amiliation	Date	Time
le, Blens	581	19/20/01		melanie Her	where ASI	12/20/01	11:32
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dering of above described samples to AnalySys, Inc. for analytical testing constitutes agreement by buyer/sampler to AnalySys, Inc.'s standard terms.]

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



6701 Aberdeen Avenue, Suite 9 155 McCutcheon, Suite H Lubbock, Texas 79424 800•378•1296 8 El Paso, Texas 79932 888•588•3443 9 E-Mail lab@traceanalysis.com

806•794•1296 FAX 80 915•585•3443 FAX 91

# 3 FAX 915•585•4944

# **Analytical and Quality Control Report**

Kyle Waggoner Talon/LPE-Midland #9 East Industrial Loop Midland, TX, 79701

Report Date: November 21, 2006

Work Order: 6111629

Project Location:Lea County, NMProject Name:Vaccuum Gathering 6"Project Number:Plains006SPL

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
109153	SB-25 (23-25')	soil	2006-11-15	10:30	2006-11-16
109154	SB-21 (1-3')	soil	2006-11-15	10:40	2006-11-16
109155	SB-21 (3-5')	soil	2006-11-15	10:45	2006-11-16
109156	SB-21 (23-25')	soil	2006-11-15	11:15	2006-11-16
109157	SB-24 (13-15')	soil	2006-11-15	11:50	2006-11-16
109158	SB-24 (23-25')	soil	2006-11-15	12:05	2006-11-16
109159	SB-23 (13-15')	soil	2006-11-15	13:40	2006-11-16
109160	SB-23 (23-25')	soil	2006-11-15	13:50	2006-11-16
109161	SB-27 (13-15')	soil	2006-11-15	15:00	2006-11-16
109162	SB-27 (23-25')	soil	2006-11-15	15:14	2006-11-16
109163	SB-20 (1.5-3')	soil	2006-11-15	15:30	2006-11-16
109164	SB-20 (23-25')	soil	2006-11-15	16:10	2006-11-16
109165	SB-26 (13-15')	soil	2006-11-15	16:30	2006-11-16
109166	SB-26 (25-26')	soil	2006-11-15	16:40	2006-11-16
109167	SB-22 (3-5')	soil	2006-11-15	16:50	2006-11-16
109168	SB-22 (23-25')	soil	2006-11-15	17:30	2006-11-16
109169	SB-22 (33-35')	soil	2006-11-15	18:00	2006-11-16

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

This report consists of a total of 28 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.
Blain Leptinich

Dr. Blair Leftwich, Director

 $\label{eq:standard} Standard \ Flags \\ B \ - \ The sample contains less than ten times the concentration found in the method blank.$ 



# **Analytical Report**

#### Sample: 109152 - SB-25 (9-10')

Analysis:	BTEX			Analytical I	Method:	S 8021B		Prep Meth	od: S 5035	
QC Batch:	32057			Date Analy:	zed:	2006-11-15		Analyzed	By: LO	
Prep Batch:	27930			Sample Pre	paration:			Prepared By:		
				RI	-					
Parameter Flag			Result		Units	Ι	Dilution	RL		
Benzene			< 0.0100		mg/Kg		1	0.0100		
Toluene			<0.0100			mg/Kg		1	0.0100	
Ethylbenzene	•		< 0.0100			mg/Kg		1		
Xylene				0.0120	0	mg/Kg		1	0.0100	
							Spike	Percent	Recovery	
Surrogate I		Flag	Result	Units	Dilution	Amount	Recovery	Limits		
Trifluorotoluene (TFT)		0.894	mg/Kg	1	1.00	89	75 - 125			
-Bromofluorobenzene (4-BFB)		0.973	mg/Kg	1	1.00	97	75 - 125			

# Sample: 109152 - SB-25 (9-10')

Analysis:	TPH DRO	)		Analytical Method	: Mod. 8015	B	Prep	Method: N/A
QC Batch:	31996			Date Analyzed:	2006-11-1	7	Analy	zed By: WR
Prep Batch:	27879			Sample Preparation	n: 2006-11-10	6	Prepa	red By: WR
				RL				
Parameter		Flag		Result	Units		Dilution	RL
DRO	DRO			324	mg/Kg		1	50.0
						Spike	Percent	Recovery
Surrogate		Flag		Units	Dilution	Amount	Recovery	Limits
n-Triacontane	;	1	207	mg/Kg	1	150	138	70 - 130

#### Sample: 109152 - SB-25 (9-10')

Analysis: QC Batch: Prep Batch:	TPH GRO 32058 27930		Analytical Date Analy Sample Pre	Method: yzed: eparation:	S 8015B 2006-11-20		nod: S 5035 By: LO By: LO	
			RL					
Parameter Flag		ng	Result		Units	D	ilution	RL
GRO			22.3		mg/Kg	1	1.00	
<b>G</b> (		51		<b>.</b>		Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	ene (TFT)		0.844	mg/Kg	1	1.00	84	70 - 130
4-Bromofluorobenzene (4-BFB)		0.966	mg/Kg	1	1.00	97	70 - 130	

<sup>1</sup>High surrogate recovery due to peak interference.

# Sample: 109153 - SB-25 (23-25')

Analysis:	BTEX	TEX Analytical Method		Method:	S 8021B		Prep Method:		
QC Batch:	32057		Date Analy	zed:	2006-11-15		Analyzed	By: LO	
Prep Batch:	27930		Sample Pre	paration:			Prepared B		
			RI						
Parameter Flag			Result		Units	]	Dilution	RL	
Benzene			<0.0100		mg/Kg		1		
Toluene	uene		< 0.0100	)	mg/Kg		1	0.0100	
Ethylbenzene	;		< 0.0100	)	mg/Kg		1	0.0100	
Xylene			< 0.0100	)	mg/Kg		1		
						Spike	Percent	Recovery	
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits	
Trifluorotoluene (TFT)			0.890	mg/Kg	; 1	1.00	89	75 - 125	
4-Bromofluorobenzene (4-BFB)			1.00	mg/Kg	; 1	1.00	100	75 - 125	

#### Sample: 109153 - SB-25 (23-25')

Analysis:	TPH DRO		Analytical Method:	Mod. 80	15B	Prep N	Method: N/A
QC Batch:	31996		Date Analyzed:	Date Analyzed: 2006-11-17		Analy	zed By: WR
Prep Batch:	27879		Sample Preparation	: 2006-11	-16	Prepa	red By: WR
			RL				
Parameter	Fl	ag	Result	Uni	ts	Dilution	RL
DRO	· · · · · · · · · · · · · · · · · · ·		<50.0	mg/K	g	1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units E	Dilution	Amount	Recovery	Limits
n-Triacontane	;	190	mg/Kg	1	150	127	70 - 130

#### Sample: 109153 - SB-25 (23-25')

Analysis:	TPH GRO		Analytical	Method:	S 8015B		Prep Meth	nod: S 5035		
QC Batch:	32058		Date Analyzed:		2006-11-20		Analyzed	By: LO		
Prep Batch:	27930		Sample Pr	eparation:			Prepared By:			
			RL							
Parameter Flag		5	Result		Units	D	ilution	RL		
GRO			1.20		mg/Kg		1			
						Spike	Percent	Recovery		
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits		
Trifluorotoluene (TFT)			0.842	mg/Kg	1	1.00	84	70 - 130		
4-Bromofluorobenzene (4-BFB)		1.17	mg/Kg	1	1.00	117	70 - 130			

84

115

1.00

1.00

70 - 130

70 - 130

#### Sample: 109154 - SB-21 (1-3')

Trifluorotoluene (TFT)

4-Bromofluorobenzene (4-BFB)

Analysis: QC Batch: Prep Batch:	BTEX 32057 27930			Analytical Method: S Date Analyzed: 2 Sample Preparation:		S 8021B 2006-11-15		Prep Met Analyzed Prepared	nod: S 5035 By: LO By: LO
				RI					
Parameter		Flag		Result	t	Units		Dilution	RL
Benzene		8		< 0.0100	)	mg/Kg	· · · · · · · · · · · · · · · · · · ·	1	0.0100
Toluene				< 0.0100	)	mg/Kg		1	0.0100
Ethylbenzer	ne			< 0.0100	)	mg/Kg		1	0.0100
Xylene	-			< 0.0100	)	mg/Kg		1	0.0100
							Snike	Percent	Recovery
Surrogate			Flag	Result	Units	Dilution	Amount	Recoverv	Limits
Trifluorotol	uene (TFT)			0.885	mg/Kg	1	1.00	88	75 - 125
4-Bromoflu	orobenzene (4-	BFB)		0.987	mg/Kg	1	1.00	99	75 - 125
Sample: 10	9154 - SB-21	(1-3')		Analytica	l Method:	Mod 8015B		Pren M	lethod: N/A
Allalysis.	21006			Analytical Metho		2006 11 17		Apoly	ad Du: WD
QC Batch:	31990			Date Analyzed: Sample Preparation:		2000-11-17		Analyz	d Duy WR
гер васи:	21019			Sample P	reparation	. 2000-11-10		riepan	eu by. wK
				RL					
Parameter		Flag		Result		Units		Dilution	RL
DRO				<50.0		mg/Kg		1	50.0
Surrogate	Fla	g	Result	Units	Γ	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontar	ne		192	mg/Kg		1	150	128	70 - 130
Sample: 109 Analysis:	915 <b>4 - SB-21 (</b> TPH GRO	(1-3')		Analytical	Method:	S 8015B		Prep Metl	nod: S 5035
QC Batch:	32058			Date Anal	yzed:	2006-11-20		Analyzed	By: LO
Prep Batch:	27930			Sample Pr	eparation:			Prepared	By: LO
				RL					
Parameter		Flag		Result		Units		Dilution	RL
GRO				<1.00		mg/Kg		1	1.00
Surrogate			Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits

0.845

1.15

mg/Kg

mg/Kg

1

1

## Sample: 109155 - SB-21 (3-5')

Analysis:BTEXQC Batch:32057Prep Batch:27930			Analytical N Date Analyz Sample Prep	Method: zed: paration:	S 8021B 2006-11-15		Prep Method: Analyzed By: Prepared By:		
			RI						
Parameter Flag			Result		Units	E	Dilution	RL	
Benzene			< 0.0100	)	mg/Kg		1		
Toluene			< 0.0100	)	mg/Kg		1	0.0100	
Ethylbenzene	•		< 0.0100	)	mg/Kg	mg/Kg 1		0.0100	
Xylene			< 0.0100	)	mg/Kg		1	0.0100	
						Spike	Percent	Recovery	
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits	
Trifluorotolue	ene (TFT)		0.890	mg/Kg	<u> </u>	1.00	89	75 - 125	
4-Bromofluorobenzene (4-BFB)			0.992	mg/Kg	; 1	1.00	99	75 - 125	

## Sample: 109155 - SB-21 (3-5')

Analysis:	TPH DRO		Analytical Method:	Mod. 8015	В	Prep	Method: N/A
QC Batch:	31996		Date Analyzed:	2006-11-17	7	Analy	yzed By: WR
Prep Batch:	27879	Sample Preparation: 2006-11-16		Prepa	ared By: WR		
			RL				
Parameter Flag		lag	Result	Units		Dilution	RL
DRO			<50.0	mg/Kg		1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units D	ilution	Amount	Recovery	Limits
n-Triacontane	;	190	mg/Kg	1	150	127	70 - 130

## Sample: 109155 - SB-21 (3-5')

Analysis:	TPH GRO		Analytical	Method:	S 8015B		Prep Meth	nod: S 5035
QC Batch:	32058		Date Anal	yzed:	2006-11-20		Analyzed	By: LO
Prep Batch:	27930		Sample Pr	eparation:	aration: Prepared B			
			RL					
Parameter	Flag		Result		Units	D	ilution	RL
GRO			<1.00		mg/Kg		1	1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)			0.840	mg/Kg	1	1.00	84	70 - 130
4-Bromofluorobenzene (4-BFB)			1.15	mg/Kg	1	1.00	115	70 - 130

#### Sample: 109156 - SB-21 (23-25')

Analysis:	BTEX		Analytical 1	Method:	S 8021B		Prep Meth	od: S 5035	
QC Batch:	32057		Date Analy	zed:	2006-11-15		Analyzed	By: LO	
Prep Batch:	27930		Sample Pre	paration:			Prepared By:		
			RI	- 					
Parameter Flag			Result		Units	D	ilution	RL	
Benzene			< 0.0100		mg/Kg		1	0.0100	
Toluene			< 0.0100	)	mg/Kg		1	0.0100	
Ethylbenzene	•	<0.0100 <0.0100			mg/Kg		1		
Xylene	·····				mg/Kg		1		
						Spike	Percent	Recovery	
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits	
Trifluorotoluene (TFT)			0.903	mg/Kg	1	1.00	90	75 - 125	
4-Bromofluorobenzene (4-BFB)			1.00	mg/Kg	1	1.00	100	75 - 125	

#### Sample: 109156 - SB-21 (23-25')

Analysis:	TPH DRO		Analytical Method	: Mod. 80	15B	Prep	Method: N/A	
QC Batch:	31996		Date Analyzed:	2006-11	-17	Anal	yzed By: WR	
Prep Batch:	ep Batch: 27879		Sample Preparation	n: 2006-11	-16	Prepa	ared By: WR	
			RL					
Parameter Flag		Result	Unit	S	Dilution	RL		
DRO			<50.0	mg/K	g	1	50.0	_
					Spike	Percent	Recovery	
Surrogate	Flag	Result	Units I	Dilution	Amount	Recovery	Limits	
n-Triacontane	2	215	mg/Kg	1	150	143	70 - 130	-

## Sample: 109156 - SB-21 (23-25')

Analysis: QC Batch: Prep Batch:	TPH GRO 32058 27930		Analytical Method: Date Analyzed: Sample Preparation:			Prep Method: Analyzed By: Prepared By:		nod: S 5035 By: LO By: LO
Parameter	Flag	ţ	RL Result		Units	D	Pilution	RL
GRO		·····	<1.00		mg/Kg		1	1.00
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			0.855	mg/Kg	1	1.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)			1.16	mg/Kg	1	1.00	116	70 - 130

<sup>2</sup>High surrogate recovery. Sample non-detect, result bias high.

## Sample: 109157 - SB-24 (13-15')

ParameterFlagResultUnitsDilutionRLBenzene<0.0100mg/Kg10.0100Toluene<0.0100mg/Kg10.0100Ethylbenzene<0.0100mg/Kg10.0100Xylene<0.0100mg/Kg10.0100SurrogateFlagResultUnitsDilutionAmountTriffuorotoluene (TFT)0.894mg/Kg11.008975 - 1254-Bromofluorobenzene (4-BFB)0.992mg/Kg11.0099Analysis:TPH DROAnalytical Method:Mod. 8015BPrep Method:N/AQC Batch:31996Date Analyzed:2006-11-17Analyzed By:WRPrep Batch:27879Sample Preparation:2006-11-16Prepared By:WRBrameterFlagResultUnitsDilutionRLDRO<50.0mg/Kg150.0SurrogateFlagResultUnitsDilutionRcoverySurrogateFlagResultUnitsDilutionRcoverySurrogateFlagResultUnitsDilutionAmountRcoverySurrogateFlagResultUnitsDilutionAmountRcoverySurrogateFlagResultUnitsDilutionAmountRcoveryLimitsDirectorerFlagResultUnitsDilutionAmountRcoveryLimits	Analysis: QC Batch: Prep Batch:	BTEX 32057 27930		Analytical M Date Analyz Sample Prej	Method: zed: paration:	S 8021B 2006-11-15		Prep Met Analyzec Prepared	hod: S 5035 l By: LO By: LO
ParameterFlagResultUnitsDilutionRLBenzene<0.0100				RL	,				
Benzene $< 0.0100$ mg/Kg1 $0.0100$ Toluene $< 0.0100$ mg/Kg1 $0.0100$ Eurogate $< 0.0100$ mg/Kg1 $0.0100$ Xylene $< 0.0100$ mg/Kg1 $0.0100$ SurrogateFlagResultUnitsDilutionAmountRecoveryTrifluorotoluene (TFT) $0.894$ mg/Kg1 $1.00$ $89$ $75 - 125$ 4-Bromofluorobenzene (4-BFB) $0.992$ mg/Kg1 $1.00$ $89$ $75 - 125$ Sample: $109157 - SB-24$ (13-15')Analytical Method:Mod. $8015B$ Prep Method:N/AQC Batch: $31996$ Date Analyzed: $2006-11-17$ Analyzed By:WRPrep Batch: $27879$ Sample Preparation: $2006-11-16$ Prepared By:WRParameterFlagResultUnitsDilutionRLDRO $< 50.0$ mg/Kg1 $50.0$ SurrogateFlagResultUnitsDilutionRLDRO $< 50.0$ mg/Kg1 $50.0$ SurrogateFlagResultUnitsDilutionRccoveryTrineactione $185$ $m/Kg$ $1.50$ $122$ $70$ SurrogateFlagResultUnitsDilutionRccoveryTrineactione $185$ $m/Kg$ $1.50$ $122$ $70$	Parameter	F	lag	Resul	t	Units		Dilution	RL
Toluene<0.0100 $mg/Kg$ 10.0100Ethylbenzene<0.0100	Benzene			< 0.0100	)	mg/Kg		1	0.0100
Ethylbenzene Xylene $< 0.0100$ mg/Kg1 $0.0100$ Xylene $< 0.0100$ mg/Kg1 $0.0100$ SurrogateFlagResultUnitsDilutionAmountRecoveryLimitsTrifluorotoluene (TFT) $0.894$ mg/Kg1 $1.00$ $89$ $75 - 125$ 4-Bromofluorobenzene (4-BFB) $0.992$ mg/Kg1 $1.00$ $89$ $75 - 125$ Sample: 109157 - SB-24 (13-15')Analysis: TPH DRO QC Batch: 31996Analytical Method:Mod. $8015B$ Date Analyzed:Prep Method:N/A Analyzed By:Prep Batch:27879Sample Preparation: $2006-11-17$ Prepared By:WRParameterFlagResultUnitsDilutionRL ProgateDRO $< 50.0$ mg/Kg1 $50.0$ SpikePercentFlagResultUnitsDilutionRL PrecentDRO $< 50.0$ mg/Kg1 $50.0$ SpikePercentRecoveryDRO $< 50.0$ mg/Kg1 $50.0$ SpikePercentRecoveryDRO $< 50.0$ $Arnount$ $Arnount$ $Recovery$ DRO $< 50.0$ $Arnount$ $Arnount$ $Recovery$ DRO $< 50.0$ $Arnount$ $Arnount$ $Recovery$ DRO $< 70.120$ $120$ $70.120$	Toluene			< 0.0100	)	mg/Kg		1	0.0100
Xylene<0.0100mg/Kg10.0100SurrogateFlagResultUnitsDilutionAmountRecoveryLimitsTrifluorotoluene (TFT)0.894mg/Kg11.008975 - 1254-Bromofluorobenzene (4-BFB)0.992mg/Kg11.009975 - 125Sample: 109157 - SB-24 (13-15')Analysis:TPH DRO QC Batch:Analytical Method:Mod. 8015B Date Analyzed:Prep Method:N/A Analyzed By:WRPrep Batch:27879Sample Preparation:2006-11-17 Prepared By:WRParameterFlag ResultRL UnitsDilutionRL DilutionSpikeDRO<50.0	Ethylbenzen	e		< 0.0100	)	mg/Kg		1	0.0100
SurrogateFlagResultUnitsDilutionSpike AmountPercent RecoveryRecovery LimitsTrifluorotoluene (TFT)0.894mg/Kg11.008975 - 1254-Bromofluorobenzene (4-BFB)0.992mg/Kg11.009975 - 125Sample: 109157 - SB-24 (13-15')Analysis:TPH DRO QC Batch:Analytical Method:Mod. 8015B Date Analyzed:Prep Method:N/A Analyzed By:Prep Batch:27879Sample Preparation:2006-11-17 Prepared By:WRParameterFlag ResultResultUnitsDilutionRL DilutionDRO<50.0	Xylene			< 0.0100	)	mg/Kg		1	0.0100
SurrogateFlagResultUnitsDilutionAmountRecoveryLimitsTrifluorotoluene (TFT)0.894mg/Kg11.008975 - 1254-Bromofluorobenzene (4-BFB)0.992mg/Kg11.009975 - 125Sample: 109157 - SB-24 (13-15')Analysis:TPH DROAnalytical Method:Mod. 8015BPrep Method:N/AQC Batch:31996Date Analyzed:2006-11-17Analyzed By:WRPrep Batch:27879Sample Preparation:2006-11-16Prepared By:WRDRO<50.0							Spike	Percent	Recovery
Trifluorotoluene (TFT)0.894mg/Kg11.008975 - 1254-Bromofluorobenzene (4-BFB)0.992mg/Kg11.009975 - 125Sample: 109157 - SB-24 (13-15')Analysis:TPH DROAnalytical Method:Mod. 8015BPrep Method:N/AQC Batch:31996Date Analyzed:2006-11-17Analyzed By:WRPrep Batch:27879Sample Preparation:2006-11-16Prepared By:WRParameterFlagResultUnitsDilutionRLDRO<50.0	Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
4-Bromofluorobenzene (4-BFB)   0.992   mg/Kg   1   1.00   99   75 - 125     Sample: 109157 - SB-24 (13-15')     Analysis:   TPH DRO   Analytical Method:   Mod. 8015B   Prep Method:   N/A     QC Batch:   31996   Date Analyzed:   2006-11-17   Analyzed By:   WR     Prep Batch:   27879   Sample Preparation:   2006-11-16   Prepared By:   WR     Parameter   Flag   Result   Units   Dilution   RL     DRO   <50.0	Trifluorotoluene (TFT)		0.894	mg/Kg	1	1.00	89	75 - 125	
Sample: 109157 - SB-24 (13-15')     Analysis:   TPH DRO   Analytical Method:   Mod. 8015B   Prep Method:   N/A     QC Batch:   31996   Date Analyzed:   2006-11-17   Analyzed By:   WR     Prep Batch:   27879   Sample Preparation:   2006-11-16   Prepared By:   WR     Parameter   Flag   Result   Units   Dilution   RL     DRO   <50.0	4-Bromofluorobenzene (4-BFB)		•	0.992	mg/Kg	1	1.00	99	75 - 125
Analysis:TPH DRO QC Batch:Analytical Method:Mod. 8015B 2006-11-17 2006-11-17Prep Method:N/A Analyzed By:Prep Batch:27879Date Analyzed:2006-11-17 2006-11-16Analyzed By:WRParameterFlagResultUnitsDilutionRL DROQC<50.0mg/Kg150.0SurrogateFlagResultUnitsDilutionRecovery LimitsDRO<50.0mg/Kg150.0	Sample: 109	157 - SB-24 (13-15	5')						
QC Batch:31996Date Analyzed:2006-11-17Analyzed By:WRPrep Batch:27879Sample Preparation:2006-11-16Prepared By:WRRLRLDilutionRLDilutionRLDRO<50.0	Analysis:	TPH DRO		Analytica	Method:	Mod. 8015B		Prep M	fethod: N/A
Prep Batch:27879Sample Preparation:2006-11-16Prepared By:WRRL ParameterRL FlagUnitsDilutionRL DilutionDRO<50.0	OC Batch:	31996		Date Ana	lvzed:	2006-11-17		Analyz	ed By: WR
RL ParameterRL FlagUnitsDilutionRLDRO<50.0	Prep Batch:	27879		Sample P	reparation:	2006-11-16		Prepar	ed By: WR
ParameterFlagResultUnitsDilutionRLDRO<50.0				RL					
DRO<50.0mg/Kg150.0SpikePercentRecoverySurrogateFlagResultUnitsDilutionAmountRecoveryLimitsnTriggontupe185mg/Kg115012270120	Parameter	Flag	g	Result		Units		Dilution	RL
SurrogateFlagResultUnitsDilutionAmountRecoveryLimitsn. Trigcontupe185mg/Kg115012270120	DRO			<50.0		mg/Kg		1	50.0
Surrogate Flag Result Units Dilution Amount Recovery Limits							Spike	Percent	Recovery
n Triacontane $185 m_{\alpha}/V_{\alpha} = 1 = 150 = 122 = 70 + 120$	Surrogate	Flag	Result	Units	D	ilution	Amount	Recovery	Limits
n-macontaine 165 mg/Kg 1 150 125 /0-130	n-Triacontane		185	mg/Kg		1	150	123	70 - 130

## Sample: 109157 - SB-24 (13-15')

Analysis: TPH GRO QC Batch: 32058			Analytical	Method:	S 8015B		Prep Meth	nod: S 5035	
			Date Anal	Date Analyzed:			By: LO		
Prep Batch:	27930			Sample Pr	eparation:			Prepared I	By: LO
				RL					
Parameter Flag		Result		Units	Dilution		RL		
GRO				<1.00		mg/Kg		1	1.00
							Spike	Percent	Recovery
Surrogate			Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.858	mg/Kg	1	1.00	86	70 - 130		
4-Bromofluorobenzene (4-BFB)		1.14	mg/Kg	1	1.00	114	70 - 130		

## Sample: 109158 - SB-24 (23-25')

Analysis: QC Batch:	BTEX 32057		Analytical N Date Analyz	fethod: ed:	S 8021B 2006-11-15		Prep Method Analyzed By	S 5035 LO
Prep Batch:	27930		Sample Prep	aration:			Prepared By:	LO
			RL					
Parameter	Flag		Result		Units	D	ilution	RL
Benzene			< 0.0100		mg/Kg		1	0.0100
Toluene			< 0.0100		mg/Kg		1	0.0100
Ethylbenzene			<0.0100		mg/Kg		1	0.0100
Xylene			<0.0100		mg/Kg	1		0.0100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	ene (TFT)		0.905	mg/Kg	1	1.00	90	75 - 125
4-Bromofluo	robenzene (4-BFB)		1.00	mg/Kg	1	1.00	100	75 - 125
Semalar 100	159 CD 24 (22 251)							

#### Sample: 109158 - SB-24 (23-25')

Analysis:	TPH DRO	Analytical Method: Mod. 8015B			Prep Method: N/		
QC Batch:	31990		Date Analyzed.	2000-11-	-17	Analy	Zed By: WK
Prep Batch:	27879		Sample Preparation	: 2006-11	-16	Prepa	red By: WR
			RL				
Parameter	Fla	ag	Result	Unit	S	Dilution	RL
DRO			<50.0	mg/K	g	1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units D	oilution	Amount	Recovery	Limits
n-Triacontane		186	mg/Kg	1	150	124	70 - 130

## Sample: 109158 - SB-24 (23-25')

Analysis: TPH GRO OC Batch: 32058		Analytical Date Anal	Analytical Method:			nod: S 5035 By: LO		
Prep Batch:	27930		Sample Pr	Sample Preparation:			Prepared By:	
			RL					
Parameter Flag		lag	Result		Units	Dilution		RL
GRO			<1.00		mg/Kg	······································	1	1.00
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.862	mg/Kg	1	1.00	86	70 - 130	
4-Bromofluorobenzene (4-BFB)		1.16	mg/Kg	1	1.00	116	70 - 130	

## Sample: 109159 - SB-23 (13-15')

Analysis:BTEXQC Batch:32057Prep Batch:27930		Analytical Date Analy Sample Pre	Method: zed: paration:	S 8021B 2006-11-15		Prep Method: Analyzed By: Prepared By:	
		RI	L				
Parameter	Flag	Resul	lt	Units	D	ilution	RL
Benzene		< 0.010	0	mg/Kg		1	0.0100
Toluene		< 0.010	0	mg/Kg		1	0.0100
Ethylbenzene		< 0.010	0	mg/Kg		1	0.0100
Xylene		< 0.010	0	mg/Kg		1	0.0100
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.907	mg/Kg	; 1	1.00	91	75 - 125
4-Bromofluorobenzene (4-	BFB)	0.930	mg/Kg	g 1	1.00	93	75 - 125

## Sample: 109159 - SB-23 (13-15')

Analysis:	TPH DRO		Analytica	l Method: N	1od. 8015B		F	Prep Method:	N/A
QC Batch:	31996		Date Anal	lyzed: 2	006-11-17		A	Analyzed By:	WR
Prep Batch:	27879		Sample Pr	reparation: 2	006-11-16		F	Prepared By:	WR
			RL						
Parameter		Flag	Result		Units		Dilution		RL
DRO			<50.0		mg/Kg		1		50.0
						Spike	Percent	Rec	overy
Surrogate	Flag	Result	: Units	Diluti	on A	mount	Recovery	y Li	mits
n-Triacontane	;	179	mg/Kg	1		150	119	70 -	- 130

# Sample: 109159 - SB-23 (13-15')

Analysis: TPH GRO QC Batch: 32058		Analytical Date Anal	Method: yzed:	S 8015B 2006-11-20	Prep Method: Analyzed By:		nod: S 5035 By: LO	
Prep Batch:	27930		Sample Pr	eparation:			Prepared By:	
			RL					
Parameter Flag		g	Result		Units	Dilution		RL
GRO			<1.00		mg/Kg	1		1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.886	mg/Kg	1	1.00	89	70 - 130	
4-Bromofluorobenzene (4-BFB)		1.07	mg/Kg	1	1.00	107	70 - 130	

## Sample: 109160 - SB-23 (23-25')

Analysis: QC Batch: Prep Batch:	BTEX 32057 27930			Analytical M Date Analy Sample Pre	Method: zed: paration:	S 8021B 2006-11-15	Prep Met Analyzed Prepared		od: S 5035 By: LO By: LO
				RI					
Parameter Flag			Result		Units	Ι	Dilution		
Benzene				< 0.0100	)	mg/Kg		1	0.0100
Toluene				< 0.0100	)	mg/Kg		1	0.0100
Ethylbenzene				< 0.0100	)	mg/Kg		1	0.0100
Xylene				< 0.0100	)	mg/Kg		1	0.0100
							Spike	Percent	Recovery
Surrogate			Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	ene (TFT)			0.894	mg/Kg	<u>; 1</u>	1.00	89	75 - 125
4-Bromofluo	robenzene (4-BF	B)		0.957	mg/Kg	; 1	1.00	96	75 - 125

## Sample: 109160 - SB-23 (23-25')

Analysis:	TPH DRO		Analytical Method:	Mod. 80	15B	Prep N	Method: N/A
QC Batch:	31996		Date Analyzed:	2006-11-	17	Analy	zed By: WR
Prep Batch:	27879		Sample Preparation	n: 2006-11-	-16	Prepa	red By: WR
			RL				
Parameter	F	lag	Result	Unit	s	Dilution	RL
DRO		· · · · · · · · · · · · · · · · · · ·	<50.0	mg/Kg	9	1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units I	Dilution	Amount	Recovery	Limits
n-Triacontane	•	187	mg/Kg	1	150	125	70 - 130

# Sample: 109160 - SB-23 (23-25')

Analysis: TPH GRO			Analytical	Method:	S 8015B		od: S 5035	
QC Batch:	QC Batch: 32058			Date Analyzed:			By: LO	
Prep Batch:	27930		Sample Pro	eparation:			Prepared By:	
			RL					
Parameter Flag		ag	Result		Units	Dilution		RL
GRO			<1.00		mg/Kg	1		1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.884	mg/Kg	1	1.00	88	70 - 130	
4-Bromofluorobenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	70 - 130	

## Sample: 109161 - SB-27 (13-15')

Analysis:	BTEX		Analytical l	Method: S	S 8021B		Prep Met	hod: S 5035
QC Batch:	32057		Date Analy	zed: 2	2006-11-15		Analyzed	By: LO
Prep Batch:	27930		Sample Pre	paration:			Prepared	By: LO
			RI					
Parameter	Flag		Resul	t	Units	]	Dilution	RL
Benzene			< 0.0100	0	mg/Kg		1	0.0100
Toluene			< 0.0100	0	mg/Kg		1	0.0100
Ethylbenzen	e		< 0.0100	0	mg/Kg		1	0.0100
Xylene			< 0.0100	)	mg/Kg		1	0.0100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.896	mg/Kg	1	1.00	90	75 - 125	
4-Bromofluo	robenzene (4-BFB)		0.977	mg/Kg	1	1.00	98	75 - 125
S	1(1 OD 27 (12 15))							
Sample: 109	/161 - SB-27 (13-15 <sup>2</sup> )							
Analysis:	TPH DRO		Analytic	al Method:	Mod. 8015B		Prep M	lethod: N/A
QC Batch:	31996		Date Ana	alyzed:	2006-11-17		Analyz	ed By: WR
Prep Batch:	27879		Sample F	Preparation:	2006-11-16		Prepare	ed By: WR
			RL					
Parameter	Flag		Result		Units		Dilution	RL
DRO			<50.0		mg/Kg		1	50.0
						Spile	Doroont	Decovery

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		186	mg/Kg	1	150	124	70 - 130

# Sample: 109161 - SB-27 (13-15')

Analysis: TPH GRO			Analytical	Method:	S 8015B		Prep Method			
QC Batch:	32058		Date Analy	yzed:	2006-11-20		Analyzed	By: LO		
Prep Batch:	27930		Sample Pr	eparation:			Prepared By:			
			RL							
Parameter	Flag	Ţ.	Result		Units	D	ilution	RL		
GRO			<1.00		mg/Kg		1	1.00		
						Spike	Percent	Recovery		
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits		
Trifluorotolu	ene (TFT)		0.883	mg/Kg	1	1.00	88	70 - 130		
4-Bromofluorobenzene (4-BFB)		1.12	mg/Kg	1	1.00	112	70 - 130			

## Sample: 109162 - SB-27 (23-25')

Analysis: QC Batch: Prep Batch:	BTEX 32057 27930		Analytical M Date Analyz Sample Prep	Method: zed: paration:	S 8021B 2006-11-15		Prep Me Analyzec Prepared	thod: S 5035 d By: LO By: LO
			RL	,				
Parameter	]	Flag	Result	t	Units		Dilution	RL
Benzene			< 0.0100	)	mg/Kg		1	0.0100
Toluene			< 0.0100	)	mg/Kg		1	0.0100
Ethylbenzene	2		< 0.0100	)	mg/Kg		1	0.0100
Xylene			< 0.0100	1	mg/Kg		1	0.0100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	Trifluorotoluene (TFT)		0.886	mg/Kg	1	1.00	89	75 - 125
4-Bromofluorobenzene (4-BFB)			1.02	mg/Kg	1	1.00	102	75 - 125
Sample: 109	162 - SB-27 (23-2	5')						
Analysis:	TPH DRO		Analytica	l Method:	Mod. 8015B		Prep N	Aethod: N/A
QC Batch:	31996		Date Ana	lyzed:	2006-11-17		Analy	zed By: WR
Prep Batch:	27879		Sample P	reparation:	2006-11-16		Prepar	red By: WR
			RL					
Parameter	Fla	ıg	Result		Units		Dilution	RL
DRO			<50.0		mg/Kg		1	50.0
_						Spike	Percent	Recovery
Surrogate	Flag	Result	Units	D	vilution	Amount	Recovery	Limits
n-Triacontane	;	176	mg/Kg		1	150	117	70 - 130

#### Sample: 109162 - SB-27 (23-25')

Analysis: QC Batch: Prep Batch:	TPH GRO 32058 27930		Analytical Method: Date Analyzed: Sample Preparation:			S 8015B 2006-11-20	Prep Method: Analyzed By: Prepared By:		aod: S 5035 By: LO By: LO
Demonster		Flag		RL		<b>T</b> T */		<b>11</b> 1	DI
Parameter Flag			Result		Units	D	ilution	RL	
GRO					<1.00			1	1.00
							Spike	Percent	Recovery
Surrogate			Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	ene (TFT)			0.866	mg/Kg	1	1.00	87	70 - 130
4-Bromofluorobenzene (4-BFB)		1.17	mg/Kg	1	1.00	117	70 - 130		

## Sample: 109163 - SB-20 (1.5-3')

Analysis: QC Batch: Prep Batch:	BTEX 32057 27930			Analytical I Date Analy Sample Pre	Method: zed: paration:	S 8021B 2006-11-15		Prep Metho Analyzed E Prepared B	
				RI	<u>_</u>				
Parameter		Flag		Resul	t	Units	J	Dilution	RL
Benzene				< 0.0100	)	mg/Kg		1	0.0100
Toluene				< 0.0100	)	mg/Kg		1	0.0100
Ethylbenzene	2			< 0.0100	)	mg/Kg		1	0.0100
Xylene				< 0.0100	)	mg/Kg		1	0.0100
							Spike	Percent	Recovery
Surrogate			Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	ene (TFT)			0.889	mg/Kg	<u>; 1</u>	1.00	89	75 - 125
4-Bromofluo	robenzene (4-B	FB)		0.940	mg/Kg	, 1	1.00	94	75 - 125

#### Sample: 109163 - SB-20 (1.5-3')

Analysis:	TPH DRO		Analytical Meth	nod: Mod. 80	)15B	Prep I	Method: N/A
QC Batch:	31996		Date Analyzed:	2006-11	-17	Analy	zed By: WR
Prep Batch:	27879		Sample Prepara	tion: 2006-11	-16	Prepa	red By: WR
			RL				
Parameter	F	lag	Result	Uni	ts	Dilution	RL
DRO			<50.0	mg/K	g	1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane	<b>;</b>	180	mg/Kg	1	150	120	70 - 130

#### Sample: 109163 - SB-20 (1.5-3')

Analysis: QC Batch: Prep Batch:	TPH GRO 32058 27930		Analytical Method: Date Analyzed: Sample Preparation:			Prep Method: Analyzed By: Prepared By:		nod: S 5035 By: LO By: LO
Parameter	Flag		RL Result		Units	D	vilution	RL
GRO			<1.00		mg/Kg		1	1.00
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotolue	ene (TFT)		0.882	mg/Kg	1	1.00	88	70 - 130
4-Bromofluorobenzene (4-BFB)		1.13	mg/Kg	1	1.00	113	70 - 130	

## Sample: 109164 - SB-20 (23-25')

Analysis: QC Batch: Prep Batch:	BTEX 32057 27930		Analytical I Date Analy Sample Pre	Method: zed: paration:	S 8021B 2006-11-15		Prep Methoo Analyzed By Prepared By	l: S 5035 7: LO : LO
			RI					
Parameter	F	lag	Resul	t	Units		Dilution	RL
Benzene			< 0.0100	)	mg/Kg		1	0.0100
Toluene			< 0.0100	)	mg/Kg		1	0.0100
Ethylbenzene	e		< 0.0100	)	mg/Kg		1	0.0100
Xylene			< 0.0100	)	mg/Kg		1	0.0100
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotolu	ene (TFT)		0.908	mg/Kg	1	1.00	91	75 - 125
4-Bromofluorobenzene (4-BFB)			0.977 <sup>.</sup>	mg/Kg	1	1.00	98	75 - 125
Sample: 109	164 - SB-20 (23-25	')						
Analysis:	TPH DRO		Analytica	al Method:	Mod. 8015B		Prep Metl	nod: N/A
OC Batch:	31996		Date Ana	lyzed:	2006-11-17		Analyzed	By: WR
Prep Batch:	27879		Sample P	reparation	: 2006-11-16		Prepared	By: WR
			RL					
Parameter	Flag	5	Result		Units		Dilution	RL
DRO			<50.0		mg/Kg		1	50.0
						Spike	Percent	Recovery
Surrogate	Flag	Result	Units	D	oilution	Amount	Recovery	Limits
n-Triacontane		172	mg/Kg		1	150	115	70 - 130

## Sample: 109164 - SB-20 (23-25')

Analysis: QC Batch: Prep Batch:	TPH GRO 32058 27930		Analytical Method: Date Analyzed: Sample Preparation:			Prep Method: Analyzed By: Prepared By:		nod: S 5035 By: LO By: LO
			RL					
Parameter	Fla	g	Result		Units	D	ilution	RL
GRO			<1.00		mg/Kg		1	1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	ene (TFT)		0.895	mg/Kg	1	1.00	90	70 - 130
4-Bromofluorobenzene (4-BFB)		1.14	mg/Kg	1	1.00	114	70 - 130	

## Sample: 109165 - SB-26 (13-15')

Analysis: QC Batch: Prep Batch:	BTEX 32057 27930			Analytical M Date Analyz Sample Prej	Method: zed: paration:	S 8021B 2006-11-15		Prep Metho Analyzed B Prepared By	
				RI					
Parameter		Flag		Resul	t	Units		Dilution	RL
Benzene				< 0.0100	)	mg/Kg		1	0.0100
Toluene				< 0.0100	)	mg/Kg		1	0.0100
Ethylbenzene	e			< 0.0100	)	mg/Kg		1	0.0100
Xylene				< 0.0100	)	mg/Kg		1	0.0100
							Spike	Percent	Recovery
Surrogate			Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	ene (TFT)			0.902	mg/Kg	; 1	1.00	90	75 - 125
4-Bromofluo	robenzene (4-BFB	3)		1.05	mg/Kg	; 1	1.00	105	75 - 125

#### Sample: 109165 - SB-26 (13-15')

Analysis:	TPH DRO		Analytical Method	1: Mod. 80	15B	Prep 1	Method: N/A
QC Batch:	31996		Date Analyzed:	2006-11	-17	Analy	zed By: WR
Prep Batch:	27879		Sample Preparation	n: 2006-11	-16	Prepa	red By: WR
			RL				
Parameter	Fl	ag	Result	Unit	ts	Dilution	RL
DRO			<50.0	mg/K	g	1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane	;	187	mg/Kg	1	150	125	70 - 130

# Sample: 109165 - SB-26 (13-15')

Analysis:	TPH GRO		Analytical	Method:	S 8015B		Prep Meth	od: S 5035
QC Batch:	32058		Date Anal	yzed:	2006-11-20		Analyzed	By: LO
Prep Batch:	27930		Sample Pr	eparation:			Prepared I	By: LO
			RL					
Parameter	Flag	3	Result		Units	D	ilution	RL
GRO			<1.00		mg/Kg		1	1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	ene (TFT)		0.870	mg/Kg	1	1.00	87	70 - 130
4-Bromofluorobenzene (4-BFB)		1.22	mg/Kg	1	1.00	122	70 - 130	

#### Sample: 109166 - SB-26 (25-26')

Analysis: QC Batch: Prep Batch:	BTEX 32057 27930			Analytical M Date Analy: Sample Prep	Method: zed: paration:	S 8021B 2006-11-15		Prep Metho Analyzed B Prepared B	d: S 5035 by: LO y: LO
				RI					
Parameter	]	Flag		Resul	t	Units		Dilution	RL
Benzene				< 0.0100	)	mg/Kg		1	0.0100
Toluene				< 0.0100	)	mg/Kg		1	0.0100
Ethylbenzene	;			< 0.0100	)	mg/Kg		• 1	0.0100
Xylene				< 0.0100	)	mg/Kg		1	0.0100
							Spike	Percent	Recovery
Surrogate		I	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluo	ene (TFT)			0.901	mg/Kg	1	1.00	90	75 - 125
4-Bromofluo	obenzene (4-BFB	3)		1.02	mg/Kg	1	1.00	102	75 - 125

## Sample: 109166 - SB-26 (25-26')

Analysis:	TPH DRO		Analytical Method	: Mod. 80	15B	Prep	Method: N/A
QC Batch:	31996		Date Analyzed:	2006-11	-17	Ana	lyzed By: WR
Prep Batch:	rep Batch: 27879 Sample Preparation: 20		n: 2006-11-	-16	Prep	bared By: WR	
			RL				
Parameter	Fla	ag	Result	Unit	S	Dilution	RL
DRO			<50.0	mg/K	g	1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units I	Dilution	Amount	Recovery	Limits
n-Triacontane	;	187	mg/Kg	1	150	125	70 - 130

## Sample: 109166 - SB-26 (25-26')

Analysis: QC Batch: Prep Batch:	TPH GRO 32058 27930		Analytical Date Analy	Method: yzed:	S 8015B 2006-11-20		Prep Meth Analyzed	nod: S 5035 By: LO
гтер Баюп.	27930		Sample Pro	eparation:			Prepared	By: LU
			RL					
Parameter	Fl	ag	Result		Units	D	ilution	RL
GRO	······		<1.00		mg/Kg		1	1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolue	ene (TFT)		0.873	mg/Kg	1	1.00	87	70 - 130
4-Bromofluorobenzene (4-BFB)		1.18	mg/Kg	1	1.00	118	70 - 130	

# Sample: 109167 - SB-22 (3-5')

Analysis: QC Batch: Prep Batch:	BTEX 32057 27930		Analytical M Date Analy Sample Pre	Method: zed: paration:	S 8021B 2006-11-15		Prep Met Analyzed Prepared	hod: S 5035 By: LO By: LO
			RI					
Parameter	Flag		Resul	t	Units	Ι	Dilution	RL
Benzene			< 0.0100	)	mg/Kg		1	0.0100
Toluene			< 0.0100	)	mg/Kg		1	0.0100
Ethylbenzene	;		< 0.0100	)	mg/Kg		1	0.0100
Xylene			< 0.0100	)	mg/Kg		1	0.0100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolue	ene (TFT)		0.896	mg/Kg	; 1	1.00	90	75 - 125
4-Bromofluor	obenzene (4-BFB)		1.02	mg/Kg	. 1	1.00	102	75 - 125

## Sample: 109167 - SB-22 (3-5')

Analysis:	TPH DRO		Analytical Method:	Mod. 8015	В	Prep	Method: N/A
QC Batch:	31996		Date Analyzed:	2006-11-17		Anal	yzed By: WR
Prep Batch:	27879		Sample Preparation:	2006-11-16		Prepa	ared By: WR
			RL				
Parameter	F	lag	Result	Units		Dilution	RL
DRO		_	<50.0	mg/Kg		1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units D	vilution	Amount	Recovery	Limits
n-Triacontane	;	183	mg/Kg	1	150	122	70 - 130

## Sample: 109167 - SB-22 (3-5')

Analysis:	TPH GRO		Analytical	Method:	S 8015B		Prep Meth	od: S 5035
QC Batch:	32038		Date Analy	/zea:	2006-11-20		Analyzed	By: LO
Prep Batch:	27930		Sample Pre	eparation:			Prepared I	By: LO
			RL					
Parameter	Flag		Result		Units	D	ilution	RL
GRO			<1.00		mg/Kg		1	1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolue	ene (TFT)		0.864	mg/Kg	1	1.00	86	70 - 130
4-Bromofluorobenzene (4-BFB)		1.18	mg/Kg	1	1.00	118	70 - 130	

## Sample: 109168 - SB-22 (23-25')

Analysis:BTEXQC Batch:32057Prep Batch:27930			Analytical Method: Date Analyzed: Sample Preparation:		S 8021B 2006-11-15		Prep Method: Analyzed By: Prepared By:	
			RI					
Parameter	Fla	ıg	Resul	t	Units	Ľ	oilution	RL
Benzene			< 0.0100	)	mg/Kg	· · · · · · · · · · · · · · · · · · ·	1	0.0100
Toluene			< 0.0100	)	mg/Kg		1	0.0100
Ethylbenzene			< 0.0100	)	mg/Kg		1	0.0100
Xylene			< 0.0100	)	mg/Kg		1	0.0100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluc	ene (TFT)		0.898	mg/Kg	; 1	1.00	90	75 - 125
4-Bromofluor	obenzene (4-BFB)		1.02	mg/Kg	; 1	1.00	102	75 - 125

#### Sample: 109168 - SB-22 (23-25')

Analysis:	TPH DRO		Analytical Method:	Mod. 80	15B	Prep I	Method: N/A
QC Batch:	31996		Date Analyzed:	2006-11-	17	Analy	zed By: WR
Prep Batch:	27879		Sample Preparation	: 2006-11-	16	Prepa	red By: WR
			RL				
Parameter	Fl	ag	Result	Unit	s	Dilution	RL
DRO			<50.0	mg/Kg	<u> </u>	1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units I	Dilution	Amount	Recovery	Limits
n-Triacontane	2	173	mg/Kg	1	150	115	70 - 130

## Sample: 109168 - SB-22 (23-25')

Analysis: TPH GRO		Analytical Method:		S 8015B		Prep Meth	od: S 5035	
QC Batch:	32058		Date Anal	yzed:	2006-11-20	Analyze		By: LO
Prep Batch:	27930		Sample Pr	eparation:			Prepared 1	By: LO
			RL					
Parameter	Fla	g	Result		Units	D	ilution	RL
GRO			<1.00		mg/Kg		1	1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.755	mg/Kg	1	1.00	76	70 - 130	
4-Bromofluorobenzene (4-BFB)		0.950	mg/Kg	1	1.00	95	70 - 130	

#### Sample: 109169 - SB-22 (33-35')

Analysis: QC Batch: Prep Batch:	BTEX 32057 27930		Analytical M Date Analyz Sample Prej	Method: zed: paration:	S 8021B 2006-11-15		Prep Met Analyzec Prepared	hod: S 5035 l By: LO By: LO
			RI					
Parameter	Flag		Resul	t	Units	Ι	Dilution	RL
Benzene		<u></u>	< 0.0100	)	mg/Kg		1	0.0100
Toluene			< 0.0100	)	mg/Kg		1	0.0100
Ethylbenzen	e		< 0.0100	)	mg/Kg		1	0.0100
Xylene			< 0.0100	)	mg/Kg		1	0.0100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)			0.911	mg/Kg	1	1.00	91	75 - 125
4-Bromofluc	robenzene (4-BFB)		1.01	mg/Kg	1	1.00	101	75 - 125
Sample: 100	0169 - SB-22 (33-35')							
Sample: 102	(10) S <b>D 2</b> 2 (55 55 )							
Analysis:	TPH DRO		Analytica	al Method:	Mod. 8015B		Prep M	fethod: N/A
QC Batch:	31996		Date Ana	lyzed:	2006-11-17		Analyz	zed By: WR
Prep Batch:	27879		Sample P	reparation:	2006-11-16		Prepar	ed By: WR
			RL					
Parameter	Flag		Result		Units		Dilution	RL
DRO			<50.0		mg/Kg		1	50.0
<b>G</b>	1.1	<b>D</b>	<b>TT 1</b>	5	<b>11</b>	Spike	Percent	Recovery

Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane		187	mg/Kg	1	150	125	70 - 130

## Sample: 109169 - SB-22 (33-35')

Analysis: TPH GRO			Analytical	Method:	S 8015B		Prep Meth	nod: S 5035
QC Batch:	32058		Date Anal	yzed:	2006-11-20		By: LO	
Prep Batch:	27930		Sample Pr	eparation:			Prepared By:	
			RL					
Parameter	Flag		Result		Units	D	ilution	RL
GRO		·····	<1.00		mg/Kg		1	1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolue	ene (TFT)		0.875	mg/Kg	1	1.00	88	70 - 130
4-Bromofluorobenzene (4-BFB)			1.17	mg/Kg	1	1.00	117	70 - 130

#### Method Blank (1) QC Batch: 31996

QC Batch:	31996	Date Analyzed:	2006-11-17	Analyzed By:	WR
Prep Batch:	27879	QC Preparation:	2006-11-17	Prepared By:	WR

Report Date: November 21, 200 Plains006SPL		Work Orde Vaccuum G	r: 6111629 athering 6"	Page Number: 21 of 23 Lea County, NM				
Parameter	Flag		MDL Result		Unit	s	RL	
DRO		<13.4			mg/K	<u>_g</u>		
Surrogate Flag	Result	Units Dilution			Spike Amount	Percent Recovery	Recovery Limits	
n-Triacontane	133	mg/Kg	g	1	150	89	70 - 130	
Method Blank (1) QC Batch	n: 32057							
QC Batch:32057Prep Batch:27930		Date Ar QC Prej	nalyzed: 20 paration: 20	006-11-15 006-11-15		Analy. Prepar	zed By: LO ed By: LO	
Demonster	Floo		MI	DL	T Les	4.4	DI	
Parameter	r lag		Res	<u>un</u> 70	Uni	lls V a	KL	
Toluene			< 0.002	70 20	mg/l	N.g. Ka	0.01	
Ethvibenzene			< 0.003	40	mg/l	Kσ	0.01	
Xylene			<0.01	04	mg/l	Kg	0.01	
					Spike	Percent	Recovery	
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits	
Trifluorotoluene (TFT)		0.908	mg/Kg	1	1.00	91	75 - 125	
4-Bromofluorobenzene (4-BFB)		0.887	mg/Kg	11	1.00	89	75 - 125	
Method Blank (1) QC Batch QC Batch: 32058 Prep Batch: 27930	: 32058	Date An QC Prep	nalyzed: 20 paration: 20	06-11-20 06-11-15		Analy: Prepar	zed By: LO ed By: LO	
-			MDI			-	-	
Parameter	Flag		Result		Unit	\$	RL	
GRO	8		<0.829		mg/K	<u>g</u>	1	
Surrogate	Flag	Result	Units	Dilution	Spike	Percent	Recovery Limits	
Trifluorotoluene (TFT)	8	0.757	mg/Kg	1	1.00	76	70 - 130	
4-Bromofluorobenzene (4-BFB)		0.829	mg/Kg	1	1.00	83	70 - 130	
<b>Laboratory Control Spike (LCS</b> QC Batch: 31996 Prep Batch: 27879	5-1)	Date Ana QC Prep.	alyzed: 200 aration: 200	)6-11-17 )6-11-17		Analyz Prepare	ed By: WR d By: WR	
Param	L Re	CS esult U	Jnits I	Sj Dil. An	oike Mat nount Res	rix ult Rec.	Rec. Limit	
DRO	2	36 m	g/Kg	1 2	<15 <15	5.4 94	70 - 130	

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

	LCSD			Spike	М	atrix		Re	c.		RPD
Param	Result	Units	Dil.	Amoun	it Re	esult	Rec.	Lin	nit	RPD	Limit
DRO	244	mg/Kg	1	250	<	15.4	98	70 -	130	3	20
Percent recovery is based on the sp	pike result. Rl	PD is based	d on the s	pike and sp	ike dupl	icate res	sult.				
LC	S LCS	SD			S	oike	LC	S	LCSE	)	Rec.
Surrogate Resu	ilt Resi	ult	Units	Dil.	An	nount	Re	с.	Rec.		Limit
n-Triacontane 138	3 15	0 r	ng/Kg	1	1	50	92	2	100		70 - 130
Laboratory Control Spike (LCS	-1)										
QC Batch: 32057		Date A	analyzed:	2006-11	-15				Ana	lyzed l	By: LO
Prep Batch: 27930		QC Pro	eparation	: 2006-11	-15				Prep	pared E	sy: LO
	LC	S			Spil	ke	Mat	rix			Rec.
Param	Res	ult I	Units	Dil.	Amo	unt	Res	ult	Rec	с.	Limit
Benzene	1.0	1 n	ıg/Kg	1	1.0	0	< 0.00	0270	101	1	70 - 130
Toluene	0.99	99 n	ıg/Kg	1	1.0	0	< 0.00	)320	100	)	70 - 130
Ethylbenzene	0.99	97 n	ng/Kg	1	1.0	0	<0.00	)340	100	)	70 - 130
Xylene	3.0	1 n	ng/Kg	1	3.0	0	<0.0	104	100	)	70 - 130
Percent recovery is based on the sp	oike result. RI	D is based	l on the s	pike and sp	ike dupl	icate res	ult.				
	LCSD			Spike	Ma	atrix		Re	ec.		RPD
Param	Result	Units	Dil.	Amount	Re	sult	Rec.	Lir	nit	RPD	Limit
Benzene	1.00	mg/Kg	1	1.00	<0.0	00270	100	70 -	130	1	20
Toluene	0.996	mg/Kg	1	1.00	<0.0	00320	100	70 -	130	0	20
Ethylbenzene	0.997	mg/Kg	1	1.00	<0.0	0340	100	70 -	130	0	20
Xylene	3.01	mg/Kg	1	3.00	<0.	0104	100	70 -	130	0	20
Percent recovery is based on the sp	oike result. RF	D is based	l on the s	pike and spi	ike dupl	icate res	ult.				
	LC	S LC	SD			Spik	e	LCS	LCS	SD	Rec.
Surrogate	Resi	ilt Re	sult	Units	Dil.	Amou	int	Rec.	Re	c	Limit
Irifluorotoluene (TFT)	0.91	9 0.9	902	mg/Kg	1	1.00	)	92	90	)	70 - 130
4-Bromofluorobenzene (4-BFB)	0.98	67 0.9	983	mg/Kg	1	1.00	)	99	98	3	70 - 130
Laboratory Control Spike (LCS-	1)										
	-,			2006 11	•						

QC Batch:32058Date Analyzed:2006-11-20Analyzed By:LOPrep Batch:27930QC Preparation:2006-11-15Prepared By:LO

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.56	mg/Kg	1	10.0	2.3079	72	70 - 130

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
GRO	9.76	mg/Kg	1	10.0	2.3079	98	70 - 130	2	20

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

Plains006SPL	2006	Work Order: 6111629 Vaccuum Gathering 6"								Page Number: 23 of 28 Lea County, NM			
Surrogate		LCS	L It P	CSD	Unite	Dil	Spi	ke	LCS	LCSI Rec	)	Rec.	
Trifluorotoluene (TET)		0.86	$\frac{\pi}{5}$	864	ma/Ka	1	<u></u>	$\frac{um}{0}$	86	<u></u>		70 - 130	
4-Bromofluorobenzepe (4-BF	(B)	1 10	ט (ג ו	.804	mg/Kg mg/Kg	1	1.0	0	110	111		70 - 130	
	<u>D)</u>				ing/itg			<u> </u>					
Matrix Spike (MS-1) Spik	ced Sample	: 109152											
QC Batch: 31996 Prep Batch: 27879			Date A QC Pr	Analyzed: reparation:	2006-11- 2006-11-	17 17				Analy Prepa	zed B red By	y: WR /: WR	
		MS				S	pike	Ma	trix			Rec.	
Param		Resu	lt	Units	Dil.	An	nount	Re	sult	Rec.		Limit	
DRO	3	669		mg/Kg	1	2	250	32	24	138		70 - 130	
Percent recovery is based on t	the spike re	sult. RPI	) is base	d on the sp	pike and spil	ke dupl	icate res	sult.					
	1	MSD			Snike	M	atrix		Rec.			RPD	
Param	R	Result	Units	Dil	Amount	Re	esult	Rec	Limi	t 1	RPD	Limit	
DRO		747	mg/Kg	1	250		24	169	70 - 1	30	11	20	
Percent recovery is based on t	ne spike ie	Sun. IU I	10 0000	a on the sp	nice and spin	ie aapi							
Surrogate <u>5 6</u>	MS Result 204	MS Rest	D 11t	Units mg/Kg	Dil.	<u>A</u>	Spike mount 150	N Re 11	1S ec 36	MSD Rec. 149		Rec. Limit 70 - 130	
Surrogate n-Triacontane <sup>56</sup> Matrix Spike (MS-1) Spik	MS Result 204 ed Sample:	MS Rest 22: : 109168	D 1lt 3	Units mg/Kg	Dil.	A	Spike mount 150	M R(	1S ec 36	MSD Rec. 149		Rec. Limit 70 - 130	
Surrogate n-Triacontane <sup>5 6</sup> Matrix Spike (MS-1) Spik QC Batch: 32057 Prep Batch: 27930	MS Result 204 ed Sample:	MS Rest 22: : 109168	D alt 3 Date 4 QC Pr	Units mg/Kg Analyzed: reparation:	Dil. 1 2006-11- 2006-11-	15	Spike mount 150	M Ri 1	1S ec. 36	MSD Rec. 149 Analy Prepa	yzed E ared B	Rec. Limit 70 - 130 By: LO y: LO	
Surrogate h-Triacontane <sup>5 6</sup> Matrix Spike (MS-1) Spik QC Batch: 32057 Prep Batch: 27930	MS Result 204 ed Sample:	MS Rest 222 109168	D alt Date A QC Pr	Units mg/Kg Analyzed: eparation:	Dil. 1 2006-11- 2006-11-	15 Spil	Spike mount 150	Mat	1S ec 36	MSD Rec. 149 Analy Prepa	yzed E ared B	Rec. Limit 70 - 130 By: LO y: LO Rec.	
Surrogate h-Triacontane 5 6 Matrix Spike (MS-1) Spik QC Batch: 32057 Prep Batch: 27930 Param	MS Result 204 ed Sample:	MS Resu 22: 109168 MS Result	D alt Date A QC Pr	Units mg/Kg Analyzed: reparation: Units	Dil. 1 2006-11- 2006-11- Dil.	15 15 Spik Amou	Spike mount 150 ce unt	Mat Res	IS ec. 36 rix ult	MSD Rec. 149 Analy Prepa	yzed E ared B	Rec. Limit 70 - 130 By: LO y: LO Rec. Limit	
Surrogate h-Triacontane 5 6 Matrix Spike (MS-1) Spik QC Batch: 32057 Prep Batch: 27930 Param Benzene	MS Result 204 ed Sample:	MS Result 109168 MS Result 0.858	D alt D Date A QC Pr	Units mg/Kg Analyzed: reparation: Units ng/Kg	Dil. 1 2006-11- 2006-11- Dil. 1	15 15 15 1.00	Spike mount 150 ke unt	Mat Res <0.00	1S ec. 36 rix ult 0270	MSD Rec. 149 Analy Prepa Rec. 86	yzed E ared B	Rec. Limit 70 - 130 By: LO y: LO Rec. Limit 70 - 130	
Surrogate n-Triacontane <sup>5 6</sup> Matrix Spike (MS-1) Spik QC Batch: 32057 Prep Batch: 27930 Param Benzene Foluene	MS Result 204 ed Sample:	MS Result : 109168 MS Result 0.858 0.878	D Ilt D Date A QC Pr	Units mg/Kg Analyzed: reparation: Units ng/Kg ng/Kg	Dil. 1 2006-11- 2006-11- Dil. 1 1	15 15 15 100 1.00	Spike mount 150 ce unt 0	Mat Res <0.00 <0.00	1S ec. 36 rix ult )270 )320	MSD Rec. 149 Analy Prepa Rec. 86	yzed E ared B	Rec. Limit 70 - 130 By: LO y: LO Rec. Limit 70 - 130 70 - 130	
Surrogate n-Triacontane 5 6 Matrix Spike (MS-1) Spik QC Batch: 32057 Prep Batch: 27930 Param Benzene Foluene Ethylbenzene	MS Result 204 ed Sample:	MS Result 109168 MS Result 0.858 0.878 0.902	Date A QC Pr	Units mg/Kg Analyzed: eparation: Units ng/Kg ng/Kg ng/Kg	Dil. 1 2006-11- 2006-11- Dil. 1 1	15 15 15 100 1.00 1.00	Spike mount 150 ce unt 0 0	Mat Res <0.00 <0.00	rix ult 1270 1340	MSD Rec. 149 Analy Prepa Rec. 86 88 90	yzed E ared B	Rec. Limit 70 - 130 By: LO y: LO y: LO Rec. Limit 70 - 130 70 - 130 70 - 130	
Surrogate n-Triacontane 56 Matrix Spike (MS-1) Spik QC Batch: 32057 Prep Batch: 27930 Param Benzene Toluene Ethylbenzene Kylene	MS Result 204 ed Sample:	MS Result 22: 109168 MS Result 0.858 0.878 0.902 2.74	Date A QC Pr	Units mg/Kg Analyzed: reparation: Units ng/Kg ng/Kg ng/Kg ng/Kg	Dil. 1 2006-11- 2006-11- Dil. 1 1 1 1 1	15 15 15 15 15 15 15	Spike mount 150 ce unt 0 0 0 0 0	Mat Res <0.00 <0.00 <0.00	rix ult 0270 0320 0340 104	MSD Rec. 149 Analy Prepa Rec. 86 88 90 91	yzed E ared B	Rec. Limit 70 - 130 By: LO y: LO Rec. Limit 70 - 130 70 - 130 70 - 130	
Surrogate     n-Triacontane     5 6     Matrix Spike (MS-1)     Spik     QC Batch:   32057     Prep Batch:   27930     Param     Benzene     Foluene     Ethylbenzene     Kylene     Percent recovery is based on the	MS Result 204 ed Sample: he spike res	MS Result 222 109168 MS Result 0.858 0.878 0.902 2.74 Sult. RPE	Date A QC Pr n n n 0 is based	Units mg/Kg Analyzed: eparation: Units ng/Kg ng/Kg ng/Kg ng/Kg d on the sp	Dil. 1 2006-11- 2006-11- Dil. 1 1 1 1 1 1 0ike and spik	15 15 15 15 100 1.00 1.00 3.00 te dupli	Spike mount 150 ce unt 0 0 0 0 icate res	Mat Res <0.00 <0.00 <0.00 <0.00 ult.	rix ult 2270 0320 0340 104	MSD Rec. 149 Analy Prepa Rec. 86 88 90 91	yzed E ared B	Rec. Limit 70 - 130 By: LO y: LO Rec. Limit 70 - 130 70 - 130 70 - 130 70 - 130	
Surrogate n-Triacontane 5 6 Matrix Spike (MS-1) Spik QC Batch: 32057 Prep Batch: 27930 Param Benzene Foluene Ethylbenzene Kylene Percent recovery is based on th	MS Result 204 ed Sample: he spike res	MS Result 22: 109168 MS Result 0.858 0.878 0.902 2.74 sult. RPE	Date A QC Pr	Units mg/Kg Analyzed: eparation: Units ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg	Dil. 1 2006-11- 2006-11- Dil. 1 1 1 1 1 2006-11-	15 15 15 15 15 15 15 100 1.00 1.00 1.00	Spike mount 150 xee unt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mat Res <0.00 <0.00 <0.00 ult.	1S ec. 36 rix ult )270 )320 )340 104 Rec	MSD Rec. 149 Analy Prepa Rec. 86 88 90 91	yzed E ared B	Rec. Limit 70 - 130 By: LO y: LO y: LO Rec. Limit 70 - 130 70 - 130 70 - 130 70 - 130	
Surrogate n-Triacontane 5 6 Matrix Spike (MS-1) Spik QC Batch: 32057 Prep Batch: 27930 Param Benzene Foluene Ethylbenzene Kylene Percent recovery is based on the Param	MS Result 204 ed Sample: he spike res M Re	MS Result 22: 109168 MS Result 0.858 0.878 0.902 2.74 sult. RPE SD csult	Date A QC Pr n n n 0 is based Units	Units mg/Kg Analyzed: eparation: Units ng/Kg ng/Kg ng/Kg ng/Kg d on the sp Dil.	Dil. 1 2006-11- 2006-11- 2006-11- Dil. 1 1 1 1 1 1 2 1 1 1 1 2 1 2 1 2 1 2 1	15 15 15 15 15 15 15 15 15 15 10 1.00 1.0	Spike mount 150 ce unt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mat Res <0.00 <0.00 <0.00 ult. Rec.	1S ec. 36 rix ult )270 )320 )340 104 Rec Lim	MSD Rec. 149 Analy Prepa Rec. 86 88 90 91	yzed E ared B	Rec. Limit 70 - 130 By: LO y: LO y: LO Rec. Limit 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	
Surrogate n-Triacontane 56 Matrix Spike (MS-1) Spik QC Batch: 32057 Prep Batch: 27930 Param Benzene Foluene Ethylbenzene Kylene Percent recovery is based on the Param Benzene	MS Result 204 ed Sample: he spike res M Re 1.	MS Result 22: 109168 MS Result 0.858 0.902 2.74 sult. RPD SD ssult .05	Date A QC Pr QC Pr n n n 0 is based Units ng/Kg	Units mg/Kg Analyzed: reparation: Units ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg	Dil. 1 2006-11- 2006-11- 2006-11- Dil. 1 1 1 1 1 1 1 1 5 1 1 1 1 1 1 1 1 0 1 0	15 15 15 15 15 15 15 15 15 15 15 15 15 1	Spike mount 150 ke unt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mat Res <0.00 <0.00 <0.00 <0.00 ult. Rec. 105	1S ec. 36 rix ult )270 )320 )340 104 Rec Lim 70 - 1	MSD Rec. 149 Analy Prepa Rec. 86 88 90 91	yzed E ared B	Rec. Limit 70 - 130 By: LO y: LO y: LO Rec. Limit 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	
Surrogate     n-Triacontane     5 6     Matrix Spike (MS-1)     Spik     QC Batch:   32057     Prep Batch:   27930     Param     Benzene     Foluene     Ethylbenzene     Kylene     Percent recovery is based on the state of th	MS Result 204 ed Sample: he spike res M Re 1.	MS Result 0.858 0.902 2.74 Sult. RPE SD esult 0.5 1 0.7 1	Date A QC Pr QC Pr 0 is based Units ng/Kg ng/Kg	Units mg/Kg Analyzed: reparation: Units ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg 1 d on the sp Dil. 1	Dil. 1 2006-11- 2006-11- 2006-11- Dil. 1 1 1 1 1 1 2006-11- 000- 0.00 0.00	15 15 15 15 15 15 15 15 15 15 15 15 15 1	Spike mount 150 ke unt 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mat Res <0.00 <0.00 <0.00 <0.00 ult. <u>Rec.</u> 105 107	1S ec. 36 rix ult 270 0320 0340 104 Rec Lim 70 - 1 70 - 1	MSD Rec. 149 Analy Prepa Rec. 86 88 90 91	yzed E ared B RPD 20 20	Rec. Limit 70 - 130 By: LO y: LO y: LO Rec. Limit 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 20	
Surrogate   5 6     Matrix Spike (MS-1)   Spik     QC Batch:   32057     Prep Batch:   27930     Param   Benzene     Foluene   Ethylbenzene     Kylene   Percent recovery is based on the second of the seco	MS Result 204 ed Sample: he spike res M Re 1. 1. 1.	MS Result 0.858 0.878 0.902 2.74 sult. RPE SD sult .05 1 .07 1	Date / Date / QC Pr QC Pr 0 is based Units ng/Kg ng/Kg	Units mg/Kg Analyzed: reparation: Units ng/Kg ng/Kg ng/Kg ng/Kg ng/Kg d on the sp Dil. 1 1 1	Dil. 1 2006-11- 2006-11- 2006-11- Dil. 1 1 1 1 1 1 1 1 1 0 ike and spik Spike Amount 0.00 0.00 0.00	15 A 15 15 15 Spill Amou 1.00 1.00 1.00 1.00 1.00 1.00 2.00 ce dupli Ma Res <0.0 <0.0 <0.0	Spike mount 150 ce unt 0 0 0 0 0 0 cicate res trix sult 0270 0320 0340	Mat Res <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 ult. Rec. 105 107 110	1S ec. 36 rix ult )270 )320 )340 104 Rec Lim 70 - 1 70 - 1 70 - 1	MSD Rec. 149 Analy Prepa Rec. 86 88 90 91	yzed E ared B 20 20 20 20	Rec. Limit 70 - 130 By: LO y: LO Rec. Limit 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 20 20 20 20	

 <sup>&</sup>lt;sup>3</sup>Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
<sup>4</sup>Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.
<sup>5</sup>High surrogate recovery due to peak interference.
<sup>6</sup>High surrogate recovery due to peak interference.

Report Dat Plains0065	te: November 21, 2006 SPL	6	Work Order: 6111629 Vaccuum Gathering 6"								Page Number: 24 of 28 Lea County, NM		
Surrogate			MS Result	I	MSD Result	Units	Dil	. A	Spike mount	MS Rec.	MSD Rec.	Rec. Limit	
Trifluoroto	luene (TFT)		0.891		0.905	mg/Kg	1		1	89	90	70 - 130	
4-Bromoflu	lorobenzene (4-BFB)		1.01		0.956	mg/Kg	1	<u> </u>	1	101	96	70 - 130	
Matrix Sp	ike (MS-1) Spiked	Sample:	109168										
QC Batch: Prep Batch	32058 : 27930			Date QC P	Analyzed: reparation	2006-11 : 2006-11	-20 -15				Analyzed Prepared I	By: LO By: LO	
D			MS		<b></b>	D.1		Spike	N	fatrix	D	Rec.	
Param GPO			$\frac{\text{Result}}{7.50}$		Units	$\frac{\text{Dil.}}{1}$	A	Amount	K	lesult	Rec.	Limit 70 120	
		.1	7.50		Ing/Kg	I		10.0	•	0.023	12	70 - 130	
Percent rec	overy is based on the s	spike res	iit. RPD	is base	ed on the s	pike and sp	ike di	uplicate	result.				
		М	SD			Spike		Matrix		Rec.		RPD	
Param		Re	sult	Units	Dil.	Amount	ţ	Result	Rec.	Limit	RPD	Limit	
GRO		7.	36 r	ng/Kg	1	10.0	•	< 0.829	71	70 - 13	0 2	20	
Surrogate Trifluorotol 4-Bromoflu	uene (TFT)	· · · · · · · · · · · · · · · · · · ·	MS Result 1.08	l F	MSD Result 1.14	Units mg/Kg	Dil 1	. A	Spike mount	MS Rec. 108	MSD Rec. 114	Rec. Limit 70 - 130	
+-Diomonu					1.17	mg/Kg	1		1		119	70-150	
Standard (	ICV-1)												
QC Batch:	31996			Date A	Analyzed:	2006-11-	17				Analyzed I	By: WR	
			IC	CVs	IC	CVs		ICVs		Percent		~	
Daram	Flag I	Inite		rue	FO	ound	P D	ercent		Limita	,	Date	
	m	σ/Κσ		50	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	67		$\frac{107}{107}$		<u>25 - 115</u>		$\frac{11}{106}$	
Standard (4 QC Batch:	CCV-1) 31996	<u> </u>		Date A	Analyzed:	2006-11-1	17				Analyzed E	By: WR	
			CC T	CVs rue	CC Fo	CVs und	( P	CCVs ercent		Percent Recovery		Date	
aram	Flag U	nits	C	onc.	<u> </u>	onc.	Re	ecovery		Limits	A	Analyzed	
JKU Standard (1	m;	y/Kg	2	50	2	80		114		85 - 115	20	006-11-17	
QC Batch:	31996		]	Date A	analyzed:	2006-11-1	7				Analyzed E	By: WR	

Report Da Plains006	ite: November 21 SPL	, 2006		Work Order: 61 Vaccuum Gather	11629 ing 6"	Page Number: 25 of 28 Lea County, NM			
Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed		
DRO	·····	mg/Kg	250	217	87	85 - 115	2006-11-17		
Standard	(CCV-3)								
QC Batch:	31996		Date Anal	lyzed: 2006-11	-17	Ana	lyzed By: WR		
			CCVs	CCVs	CCVs	Percent			
			True	Found	Percent	Recovery	Date		
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed		
DRO		mg/Kg	250	284	114	85 - 115	2006-11-17		
Standard	(ICV-1)								
QC Batch:	32057		Date Ana	lyzed: 2006-11	-15	Ana	alyzed By: LO		
			ICVs	ICVs	ICVs	Percent			
			True	Found	Percent	Recovery	Date		
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed		
Benzene		mg/Kg	0.100	0.0976	98	85 - 115	2006-11-15		
Toluene		mg/Kg	0.100	0.0968	97	85 - 115	2006-11-15		
Ethylbenze	ene	mg/Kg	0.100	0.0972	97	85 - 115	2006-11-15		
Xylene		mg/Kg	0.300	0.294	98	85 - 115	2006-11-15		
Standard (	(CCV-1)								
QC Batch:	32057		Date Anal	lyzed: 2006-11	-15	An	alyzed By: LO		
			CCVs	CCVs	CCVs	Percent			
			True	Found	Percent	Recovery	Date		
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed		
Benzene		mg/Kg	0.100	0.0944	94	85 - 115	2006-11-15		
Toluene		mg/Kg	0.100	0.0943	94	85 - 115	2006-11-15		
Ethylbenze	ne	mg/Kg	0.100	0.0940	94	85 - 115	2006-11-15		
Xylene		mg/Kg	0.300	0.283	94	85 - 115	2006-11-15		
Standard (	ICV-1)								
QC Batch:	32058		Date Anal	yzed: 2006-11-	-20	Ana	alyzed By: LO		
			ICVs	ICVs	ICVs	Percent	~		
Doram	Flor	Linite	True	Found	Percent	Recovery	Date		
GRO	1 lag	mg/Kg	1.00			85 115	Analyzed		
		111 <u>5</u> /17 <u>8</u>	1.00	1.10	110	05-115	2000-11-20		
Standard (	CCV-1)								
QC Batch:	32058		Date Anal	yzed: 2006-11-	20	Ana	lyzed By: LO		

Report Date: November 21, 2006 Plains006SPL				Work Order: 61 Vaccuum Gathe	Page Number: 26 of 28 Lea County, NM		
Donom	Floo	I Tacita	CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
GRO	Flag	Units mg/Kg		Conc.	Recovery		

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6701 Aberdeen Avenue, Suite 9 155 McCutcheon, Suite H Lubbock, Texas 79424 800•378•1296 El Paso, Texas 79932 888•588•3443 E-Mail lab@traceanalysis.com 806 • 794 • 1296 FAX 806 • 794 • 1298 915 • 585 • 3443 FAX 915 • 585 • 4944

# **Analytical and Quality Control Report**

Eb Taylor Talon LPE-Hobbs 318 E Taylor Hobbs, TX, 88240

Report Date: February 2, 2007

Work Order: 7013111

Project Location:Lea County, NMProject Name:Vacuum GatheringProject Number:PlainsSRS #:2000-10833

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

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
115096	SP	SOIL	2007-01-30	08:20	2007-01-31
115097	BH 1	SOIL	2007-01-30	08:34	2007-01-31
115098	BH 2	SOIL	2007-01-30	08:45	2007-01-31

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

This report consists of a total of 10 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

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

# **Analytical Report**

#### Sample: 115096 - SP

Analysis:	BTEX		Analytical	Method:	S 8021B		Prep Me	thod: S 5035
QC Batch:	34163		Date Analy	zed:	2007-01-31		Analyze	d By: ss
Prep Batch:	29648		Sample Pre	paration:			Preparec	l By: ss
			R	L				
Parameter	Fla	ag	Resu	lt	Units		Dilution	RL
Benzene			< 0.010	0	mg/Kg		1	0.0100
Toluene			< 0.010	0	mg/Kg		1	0.0100
Ethylbenzen	ne		< 0.010	0	mg/Kg		1	0.0100
Xylene			0.030	6	mg/Kg		1	0.0100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	iene (TFT)		1.01	mg/Kg	1	1.00	101	69 - 113
4-Bromofluc	probenzene (4-BFB)		1.02	mg/Kg	11	1.00	102	63.4 - 121
Sample: 11: Analysis: QC Batch: Prep Batch:	<b>5096 - SP</b> TPH DRO 34190 29667		Analytic Date Ana Sample I	al Method: alyzed: Preparation:	Mod. 8015B 2007-02-01 2007-01-31	}	Prep I Analy Prepa	Method: N/A vzed By: WR red By: WR
Parameter	Flag	,	RL Result		Units		Dilution	RL
DRO			66.3		mg/Kg		1	50.0
<u> </u>						Spike	Percent	Recovery
Surrogate	Flag	Result	Units	D	ilution	Amount	Recovery	Limits
n-Triacontan	e	141	mg/Kg		1	150	94	70 - 130
<b>Sample: 115</b> Analysis:	5 <b>096 - SP</b> TPH GRO		Analytica	l Method:	S 8015B		Prep Me	thod: S 5035
QC Batch:	34155		Date Anal	lyzed:	2007-01-31		Analyze	d By: ss
Prep Batch:	29636		Sample P	reparation:			Prepared	By: ss
			RL					

Parameter	Flag		Result		Units	Dilution		RL	
GRO			2.97		mg/Kg		1	1.00	
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits	
Trifluorotoluene (TFT)			0.826	mg/Kg	1	1.00	83	70 - 130	
4-Bromofluorobenzene (4-BI	FB)		1.14	mg/Kg	1	1.00	114	70 - 130	

## Sample: 115097 - BH 1

Analysis:	BTEX		Analytical	Method:	S 8021B		Prep Met	hod: S 5035
QC Batch:	34163		Date Analy	zed:	2007-01-31		Analyzed	By: ss
Prep Batch:	29648		Sample Pre	paration:			Prepared	By: ss
			R	L				
Parameter	Flag	3	Resu	lt	Units		Dilution	RL
Benzene			< 0.010	0	mg/Kg		1	0.0100
Toluene			< 0.010	0	mg/Kg		1	0.0100
Ethylbenzene			< 0.010	0	mg/Kg		1	0.0100
Xylene			0.030	3	mg/Kg		1	0.0100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolue	ene (TFT)		0.989	mg/Kg	1	1.00	99	69 - 113
4-Bromofluor	obenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	63.4 - 121

## Sample: 115097 - BH 1

Analysis:	TPH DRO		Analytical Method:	Mod. 801	15B	Prep I	Method: N/A
QC Batch:	34190		Date Analyzed:	2007-02-	01	Analy	zed By: WR
Prep Batch:	29667		Sample Preparation	2007-01-	31	Prepa	red By: WR
			RL				
Parameter	F	lag	Result	Units	S	Dilution	RL
DRO			<50.0	mg/Kg	<u> </u>	1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units D	ilution	Amount	Recovery	Limits
n-Triacontane	•	156	mg/Kg	1	150	104	70 - 130

#### Sample: 115097 - BH 1

Analysis: QC Batch: Prep Batch:	TPH GRO 34155 29636			Analytical Date Analy Sample Pr	Method: yzed: eparation:	S 8015B 2007-01-31		Prep Meth Analyzed Prepared l	nod: S 5035 By: ss By: ss
				RL					
Parameter		Flag		Result		Units	D	ilution	RL
GRO	······································			<1.00		mg/Kg		1	1.00
Surrogate			Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotolu	ene (TFT)			0.810	mg/Kg	1	1.00	81	70 - 130
4-Bromofluo	robenzene (4-B	FB)		1.13	mg/Kg	1	1.00	113	70 - 130

## Sample: 115098 - BH 2

Analysis:	BTEX		Analytical N	Method:	S 8021B		Prep Meth	nod: S 5035
QC Batch:	34163		Date Analy:	zed:	2007-01-31		Analyzed	By: ss
Prep Batch:	29648		Sample Pre	paration:			Prepared I	By: ss
			RI					
Parameter	Flag		Resul	t	Units		Dilution	RL
Benzene			< 0.0100	)	mg/Kg		1	0.0100
Toluene			< 0.0100	)	mg/Kg		1	0.0100
Ethylbenzen	2		< 0.0100	)	mg/Kg		1	0.0100
Xylene			0.0256	6	mg/Kg	<u></u>	1	0.0100
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolu	ene (TFT)		0.987	mg/Kg	; 1	1.00	99	69 - 113
4-Bromofluo	robenzene (4-BFB)		1.01	mg/Kg	1	1.00	101	63.4 - 121

## Sample: 115098 - BH 2

Analysis:	TPH DRO		Analytical Method	: Mod. 80	15B	Prep 1	Method: N/A
QC Batch:	34190		Date Analyzed:	2007-02	-01	Analy	zed By: WR
Prep Batch:	29667	с. С	Sample Preparation	n: 2007-01	-31	Prepa	red By: WR
			RL				
Parameter	F	lag	Result	Uni	ts	Dilution	RL
DRO			<50.0	mg/K	g	1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Triacontane	;	154	mg/Kg	1	150	103	70 - 130

## Sample: 115098 - BH 2

Analysis:	TPH GRO		Analytical	Method:	S 8015B		Prep Meth	nod: S 5035
QC Batch:	34155		Date Anal	yzed:	2007-01-31		Analyzed	By: ss
Prep Batch:	29636		Sample Pr	eparation:			Prepared 1	By: ss
			RL					
Parameter	Flag		Result		Units	D	vilution	RL
GRO			<1.00		mg/Kg		1	1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotolue	ene (TFT)		0.813	mg/Kg	1	1.00	81	70 - 130
4-Bromofluor	obenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	70 - 130

Method	Blank (1)	OC Batch:	34155
	2 mm (1)	QC Dutom.	51155

QC Batch:	34155	Date Analyzed:	2007-01-31	Analyzed By:	SS
Prep Batch:	29636	QC Preparation:	2007-01-30	Prepared By:	SS

Analyzed By: ss

SS

RL

0.01

0.01

0.01

0.01

Prepared By:

Units

mg/Kg

mg/Kg

mg/Kg

mg/Kg

< 0.829

10.0

83

70 - 130

			MDL				
Parameter	Flag		Result		Units	;	RL
GRO			<0.829		mg/Kg		1
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.912	mg/Kg	1	1.00	91	70 - 130
4-Bromofluorobenzene (4-BFB)		0.964	mg/Kg	1	1.00	96	70 - 130

Method Blar	ık (1)	QC Batch: 34163		
QC Batch:	34163		Date Analyzed:	2007-01-31
Prep Batch:	29648		QC Preparation:	2007-01-30
				MDL
Parameter		Flag	F	Result
Benzene		1	<0.0	00270
Toluene			< 0.0	00320
Ethylbenzene			< 0.0	00340
Xylene			<0.	.0104

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		1.01	mg/Kg	1	1.00	101	69 - 113
4-Bromofluorobenzene (4-BFB)		0.897	mg/Kg	1	1.00	90	63.4 - 121

#### Method Blank (1) QC Batch: 34190

GRO

QC Batch: Prep Batch:	34190 29667			Date Analyzed: QC Preparation:	2007-02-01 2007-02-01			Analyzed By: WR Prepared By: WR	t t
				М	DL				
Parameter			Flag	Re	sult		Units	R	L
DRO				<1	5.4		mg/Kg	50	0
						Spike	Perce	nt Recover	у
Surrogate		Flag	Result	Units	Dilution	Amount	Recove	ery Limits	
n-Triacontan	e		158	mg/Kg	1	150	105	70 - 130	)
Laboratory	Control	Spike (LCS	5-1)						
QC Batch:	34155			Date Analyzed:	2007-01-31	l		Analyzed By: s	5
Prep Batch:	29636			QC Preparation:	2007-01-30	)		Prepared By: ss	5
			LCS			Spike	Matrix	Rec.	
Param			Result	Units	Dil.	Amount	Result	Rec. Limit	

<sup>1</sup>SPECIAL- A MS/MSD was run for QC Batch 34163 but not included because sample that was spiked had to be re-analyzed. LCS/LCSD are used as the spiked samples for this batch. •

1

mg/Kg

8.33

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
GRO	8.84	mg/Kg	1	10.0	< 0.829	88	70 - 130	6	20
		. I I	.1	.1 1 .1	1 1 4	1.			

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

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	1.18	1.13	mg/Kg	1	1.00	118	113	70 - 130
4-Bromofluorobenzene (4-BFB)	1.06	1.12	mg/Kg	1	1.00	106	112	70 - 130

#### Laboratory Control Spike (LCS-1)

QC Batch:	34163	Date Analyzed:	2007-01-31	Analyzed By:	SS
Prep Batch:	29648	QC Preparation:	2007-01-30	Prepared By:	SS

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Benzene	1.05	mg/Kg	1	1.00	< 0.00270	105	70 - 130
Toluene	1.03	mg/Kg	1	1.00	< 0.00320	103	70 - 130
Ethylbenzene	1.04	mg/Kg	1	1.00	< 0.00340	104	70 - 130
Xylene	3.14	mg/Kg	1	3.00	< 0.0104	105	70 - 130

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Benzene	1.04	mg/Kg	1	1.00	< 0.00270	104	70 - 130	1	20
Toluene	1.04	mg/Kg	1	1.00	< 0.00320	104	70 - 130	1	20
Ethylbenzene	1.04	mg/Kg	1	1.00	< 0.00340	104	70 - 130	0	20
Xylene	3.13	mg/Kg	1	3.00	< 0.0104	104	70 - 130	0	20

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

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	0.973	0.958	mg/Kg	1	1.00	97	96	69 - 113
4-Bromofluorobenzene (4-BFB)	1.01	1.00	mg/Kg	1	1.00	101	100	63.4 - 121

#### Laboratory Control Spike (LCS-1)

QC Batch:	34190	Date Analyzed:	2007-02-01	Analyzed By:	WR
Prep Batch:	29667	QC Preparation:	2007-02-01	Prepared By:	WR

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
DRO	256	mg/Kg	1	250	<15.4	102	70 - 130

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
DRO	258	mg/Kg	1	250	<15.4	103	70 - 130	1	20

Percent recovery is based	d on the spik	e result. RPI	) is bas	ed on the s	pike and spik	e duplicate	result.			
	LCS	LCSE	)			Spike	LC	CS	LCSD	Rec.
Surrogate	Result	Resul	t	Units	Dil.	Amount	Re	c.	Rec.	Limit
n-Triacontane	158	162		mg/Kg	1	150	10	5	108	70 - 130
	a '' 1 a	1 115000								
Matrix Spike (MS-1)	Spiked Sam	iple: 115093								
QC Batch: 34155			Date	Analyzed	: 2007-01-3	31			Analyze	d By: ss
Prep Batch: 29636			QC	Preparation	n: 2007-01-3	30			Prepared	By: ss
Demonstra		MS	4	<b>T</b> T '/	D'I	Spike	Ma	trix	D.	Rec.
Param		Resul	t		<u>Dil.</u>	Amount	Ke		125 125	$-\frac{120}{70}$
		13.7		mg/Kg	<u> </u>	10.0	1.2	032	125	70 - 130
Percent recovery is based	l on the spik	e result. RPL	) is base	ed on the sp	pike and spike	e duplicate	result.			
		MSD			Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit	t RPD	Limit
GRO	····· /•·	12.3	mg/Kg	<u>, 1</u>	10.0	1.2032	111	70 - 13	30 11	20
Percent recovery is based	l on the spik	e result. RPE	) is base	ed on the sp	pike and spike	e duplicate	result.			
		MS	5	MSD			Spike	MS	MSD	Rec.
Surrogate		Res	alt	Result	Units	Dil. A	mount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)		2 3 0.65	53	0.644	mg/Kg	1	1	65	64	70 - 130
4-Bromofluorobenzene (4	4-BFB)	1.2	2	1.24	mg/Kg	1	1	122	124	70 - 130
Matrix Spike (MS-1)	Spiked Sam	ple: 115086								
OC Batch: 34190			Date A	Analyzed	2007-02-01	I			Analyzed I	Rv∙ WR
Prep Batch: 29667			QC Pr	reparation:	2007-02-01	l			Prepared B	v: WR
•									1	5
		MS				Spike	Ma	trix		Rec.
Param		Result	t	Units	Dil.	Amount	Re	sult	Rec.	Limit
DRO		310		mg/Kg	1	250	<1	5.4	124	70 - 130
Percent recovery is based	on the spike	e result. RPD	is base	d on the sp	ike and spike	duplicate	esult.			
		MSD			Snike	Matrix		Rec		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
DRO		234	mg/Kg	1	250	<15.4	94	70 - 13	0 28	20
Percent recovery is based	on the spike	result. RPD	is base	d on the sp	ike and spike	duplicate 1	esult.			
	MS	MSD				Snike	м	S	MSD	Rec
Surrogate	Result	Result		Units	Dil.	Amount	Re	с.	Rec.	Limit
n-Triacontane	178	146		mg/Kg	1	150	11	9	97	70 - 130
				0 0						
Standard (ICV 1)										
Standard (ICV-1)										
QC Batch: 34155			Date 4	Analyzed:	2007-01-31				Analyzed	By: ss
			_							· J · · · ·

<sup>2</sup>Surrogate out due to peak interference <sup>3</sup>Surrogate out due to peak interference.

ICVsICVsICVsICVsParamFlagUnitsConc.Conc.RecoveryGROmg/Kg1.000.91391Standard (CCV-1)QC Batch:34155Date Analyzed:2007-01-31CCVsCCVsCCVsTrueFoundPercentParamFlagUnitsConc.Conc.RecoveryGROmg/Kg1.001.01101Standard (ICV-1)QC Batch:34163Date Analyzed:2007-01-31ICVsICVsICVsParamFlagUnitsConc.Conc.RecoveryGROmg/Kg0.1001.05105TrueFoundPercentParamFlagUnitsConc.CROmg/Kg0.1000.105105TrueFoundPercentPercentParamFlagUnitsConc.Conc.RecoveryBenzenemg/Kg0.1000.105105Toluenemg/Kg0.1000.105105Ethylbenzenemg/Kg0.3000.318106	Percent Recovery Limits 85 - 115 A	Date Analyzed 2007-01-31				
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	85 - 115	2007-01-31				
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aram Flag Units Conc. Conc. Recovery	Limits	Analyzed				
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C Batch: 34190 Date Analyzed: 2007-02-01						

Report Date: February 2, 2007 Plains			Work Order: 7013111 Vacuum Gathering			Page Number: 9 of 10 Lea County, NM	
Daram	Elog	Linita	CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
DRO	Tag	mg/Kg	250	225	90	85 - 115	2007-02-01

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# APPENDIX E

Photograph Documentation

## TALON/LPE

Client: Plains All American Location: Vacuum Gathering 6" Lea County, New Mexico

#### Photographic Documentation

Prepared by:Marc StroopePhotographer:Talon/LPEProject Number:PLAINS006SPL



Photograph No. 2

Direction: Northwest

**Description:** View of backfill and site restoration.



#### TALON/LPE

Client: Plains All American Location: Vacuum Gathering 6" Lea County, New Mexico

#### Photographic Documentation

Prepared by:Marc StroopePhotographer:Talon/LPEProject Number:PLAINS006SPL



### TALON/LPE

Client: Plains All American Location: Vacuum Gathering 6" Lea County, New Mexico

#### Photographic Documentation

Prepared by:Marc StroopePhotographer:Talon/LPEProject Number:PLAINS006SPL





# NMOCD C-141 Reports

Initial C-141 Report Final C-141 Report

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

State of New Mexico Energy Minerals and Natural Resources

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

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

OPERATOR       x       Initial Report       Final Report         Name of Company: Plains Marketing, LP       Contact: Camille Reynolds       Final Report       Final Report         Address: 3112. W. US Hwy 82, Lovington, NM 88260       Telephone No. 505-441-09655       Facility Type: 6" Steel Pipeline         Surface Owner Kenny Smith       Mineral Owner       Lease No.         Loc ATION OF RELEASE       Locartion of Release No.         Unit Letter       Section       Township       Range         Yee       Statude_32° 43' 56.56"       Longitude 103° 35' 26.52"         NATURE OF RELEASE       Nature of Release 0 barrels       Volume Recovered 18 barrels         Source of Release Crude Oil       Volume of Release 0 barrels       Volume Recovered 18 barrels         Source of Release 6" Steel Pipeline       12/15/2000       12/15/2000       12/15/2000         Was Immediate Notice Given?       Yes       Not Required       Date and Hour of Occurrence       Date and Hour of Discovery         12/15/2000       13/15/2000       14/3       If YES, To Whom?       Dorna Williams         By Whom? Wayne Brunette       Date and Hour 12/15/2000 14/35       If YES, Volume Impacting the Watercourse.       If YES, Volume Impacting the Watercourse.         If a Watercourse was Impacted, Describe Fully.*       If YES, Volume Impacting the Watercourse.
Name of Company: Plains Marketing, LP       Contact: Camille Reynolds         Address: 3112 W. US Hwy 82, Lovington, NM 88260       Telephone No. 505-441-0995         Facility Name: Vacuum Gathering       Facility Type: 6" Steel Pipeline         Surface Owner Kenny Smith       Mineral Owner         LOCATION OF RELEASE       Locase No.         Unit Letter       Section         20       Township         34E       Feet from the         North/South Line       Feet from the         403       Strace Order Oil         Source of Release Crude Oil       NortURE OF RELEASE         Type of Release Crude Oil       Volume of Release During of Occurrence         20       NATURE OF RELEASE         Source of Release 6" Steel Pipeline       Date and Hour of Discovery         21/5/2000       12/15/2000         Was Immediate Notice Given?       Yes ⊠ No         Yes ⊠ No       Not Required         Date and Hour 12/15/2000 14:35       Was a Watercourse Reached?         Was a Watercourse was Impacted, Describe Fully.*       Describe Cause of Problem and Remedial Action Taken.* Pipeline was clamped to mitigate the release during initial response activities.         Describe Cause of Problem and Remedial Action Taken.* Pipeline was clamped to mitigate the release during initial response activities.         Describe Cause of P
Address: 3112 W. US Hwy 82, Lovington, NM 88260       Telephone No. 505-441-0965         Facility Name: Vacuum Gathering       Facility Type: 6° Steel Pipeline         Surface Owner Kenny Smith       Mineral Owner       Lease No.         LOCATION OF RELEASE       Location of the North/South Line       Feet from the       East/West Line       County         M       20       Township       Range       Feet from the       North/South Line       Feet from the       East/West Line       County         Ldg3'       Latitude 32° 43' 56.56"       Longitude 103° 35' 26.52"       NATURE OF RELEASE       Volume Recovered 18 barrels         Source of Release Crude Oil       Source of Release 6° Steel Pipeline       Date and Hour of Occurrence       Date and Hour of Discovery       12/15/2000 14:30         Was Immediate Notice Given?       Yes ⊠ No       Not Required       Date and Hour 12/15/2000 14:35       Wastercourse.         By Whom? Wayne Brunette       Date and Hour 12/15/2000 14:35       Wastercourse.       If YES, To Whom?         Describe Cause of Problem and Remedial Action Taken.* Pipeline was clamped to mitigate the release during initial response activities.         Describe Area Affected and Cleanup Action Taken.* NOYDE This information was obtained from bistorical EOTT files, Plains acquired EOTT/Link on April 1, 2004 and Plains assumes this information sub soltained from bistorical EOTT files enthe NOWD maked as "Tinal Repor" does not release whic
Facility Name: Vacuum Gathering       Facility Type: 6" Steel Pipeline         Surface Owner Kenny Smith       Mineral Owner       Lease No.         LOCATION OF RELEASE       Location of Release No.       Location of Release No.         Unit Letter       Section       Township       Range       Feet from the       North/South Line       Feet from the       East/West Line       County         Log       185       34E       Longitude 103° 35' 26.52"       Least         I/UG3       Latitude 32° 43' 56.56"       Longitude 103° 35' 26.52"       Least         NATURE OF RELEASE       Volume of Release 50 barrels       Volume Recovered 18 barrels         Source of Release 6" Steel Pipeline       Date and Hour of Occurrence       Date and Hour of Discovery         12/15/2000       12/15/2000       12/15/2000 14:35         Was Immediate Notice Given?       Yes No       If YES, To Whom?         By Whom?       Way a Watercourse Reached?       If YES, Volume Impacting the Watercourse.         If a Watercourse was Impacted, Describe Fully.*       Secribe Area Affected and Cleanup Action Taken.*         NOTE: This information as obtained from historical EOTT files, Plains acquired EOTT/Link on April 1, 2004 and Plains assumes this information alor report and/or file certain release on filestions and perform corrective actions for releases which may endight?         NOTE: This information giv
Surface Owner Kenny Smith       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         Lea       20       Township       Range       Feet from the       North/South Line       Feet from the       East/West Line       County         Lea       20       Township       Range       Feet from the       North/South Line       Feet from the       East/West Line       County         Lea       20       Latitude_32° 43' 56.56"       Longitude 103° 35' 26.52"       North/South Line       Feet from the       Date and Hour of Occurrence       Date and Hour of Discovery       12/15/2000       12/15/2000 14:30       Waster Course of Release 6'n Steel Pipeline       Date and Hour of Occurrence       Date and Hour of Discovery       12/15/2000 14:30       Waster Course       Waster Course </td
LOCATION OF RELEASE         Unit Letter       Section       Township       Range       Feet from the       North/South Line       Feet from the       East/West Line       County         1       20       Township       34E       Feet from the       North/South Line       Feet from the       East/West Line       County         1       20       Latitude 32° 43' 56.56"       Longitude 103° 35' 26.52"       NATURE OF RELEASE         Type of Release Crude Oil         Source of Release Crude Oil       Volume of Release 50 barrels       Volume Recovered 18 barrels         Source of Release Crude Oil       Date and Hour of Occurrence       Date and Hour of Discovery         12/15/2000       12/15/2000       14:30       If YES, To Whom?         Was Immediate Notice Given?       Yes       No       No       Date and Hour 12/15/2000 14:35         Was a Watercourse Reached?       If YES, Volume Impacting the Watercourse.       If YES, Volume Impacting the Watercourse.         Describe Cause of Problem and Remedial Action Taken.* Pipeline was clamped to mitigate the release during initial response activities.         Describe Area Affected and Cleanup Action Taken.*       No         NOTE: This information was obtained from historical EOTT files, Plains acquired EOTT/Link on April 1, 2004 and Plains assumes this iaformation to be correct.
Unit Letter       Section       Township       Range       Feet from the       North/South Line       Feet from the       East/West Line       County         1/03       Latitude 32° 43' 56.56"       Longitude 103° 35' 26.52"       NATURE OF RELEASE         Type of Release Crude Oil       Volume of Release So barrels       Volume Recovered 18 barrels         Source of Release 6" Steel Pipeline       Volume of Release 50 barrels       Volume Recovered 18 barrels         Was Immediate Notice Given?       Yes       No         Not Required       Date and Hour of Occurrence       Date and Hour of Discovery         12/15/2000       12/15/2000       12/15/2000 14:30       If YES, To Whom?       Donna Williams         By Whom?       Wayne Brunette       Date and Hour 12/15/2000 14:35       If YES, Volume Impacting the Watercourse.         If a Watercourse Reached?       If YES No       If YES, Volume Impacting the Watercourse.       If a Watercourse was Impacted, Describe Fully.*         Describe Area Affected and Cleanup Action Taken.*       Pipeline was clamped to mitigate the release during initial response activities.         Describe Area Affected and Cleanup Action Taken.*       Pipeline was clamped to mitigate the release during initial response activities.         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 torgulations all operato
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Image: Source of Release Crude Oil       NATURE OF RELEASE         Source of Release Crude Oil       Volume of Release 50 barrels       Volume Recovered 18 barrels         Source of Release 6" Steel Pipeline       Date and Hour of Occurrence       Date and Hour of Discovery         12/15/2000       12/15/2000       12/15/2000 14:30         Was Immediate Notice Given?       Yes       No       Not Required         Date and Hour 12/15/2000       14:35       11/15/2000 14:35         Was a Watercourse Reached?       If YES, To Wom?       If YES, Volume Impacting the Watercourse.         If a Watercourse was Impacted, Describe Fully.*       If YES, Volume Impacting the Watercourse.         Describe Cause of Problem and Remedial Action Taken.*       Pipeline was clamped to mitigate the release during initial response activities.         Describe Area Affected and Cleanup Action Taken.*       Pipeline was clamped to mitigate the release during initial response activities.         NOTE: This information was obtained from historical EOTT files, Plains acquired EOTT/Link on April 1, 2004 and Plains assumes this information to be correct.         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
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() OIL CONSERVATION DIVISION
Signature: Camele KEMOLDS ENULODERED
Printed Name: Camille Reynolds
Title: Remediation Coordinator Approval Date: 6-27-07 Expiration Date: 6-50-07
E-mail Address: cjreynolds@paalp.com Conditions of Approval:
Date: 8/29/2006 Phone: 505-441-0965 FIRMC C-141 42 DEC & ALENTATICA BY
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