Soil Closure Compliance Report

Scharb to Vacuum - 4" Gathering UL-N, SE ¼ of SW ¼ Section 33, Township 18 South, Range 35 East Plains Pipeline SRS Number 2002-10128 Lea County, New Mexico

New Mexico Oil Conservation Division Number: 1534

Terracon Project Number: A4077048

November 12, 2007

Prepared for:

Plains Pipeline, L.P. 3112 West US Highway 82 Lovington, New Mexico 88260



Prepared by:



November 12, 2007

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Plains Pipeline, L.P. 3112 West US Highway 82 Lovington, NM 88260 Attn: Ms. Camille Reynolds

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Scharb to Vacuum - 4" Gathering Re:

UL-N, SE 1/4 of SW 1/4 Section 33, Township 18 South, Range 35 East

Plains Pipeline SRS Number 2002-10128

Lea County, New Mexico

New Mexico Oil Conservation Division Number 1534

Terracon Project Number A4077048

Dear Ms. Reynolds:

Terracon is pleased to submit four copies of the Closure Compliance Report for the above referenced site.

We appreciate the opportunity to participate in the site remediation project at Scharb to Vacuum - 4" Gathering site for Plains Pipeline, L.P. Please contact either of the undersigned at (432) 684-9600 if you have questions regarding the information provided in the report.

Sincerely.

lerracon

Prepared by:

Catharine London, P.G.

Senior Project Manager

Reviewed by:

Barrett W. Bole, P.G.

Operations Manager



TABLE OF CONTENTS

Page No. 1.0 2.0 FINDINGS AND CONCLUSIONS 5 3.0 **LIST OF APPENDICES** Appendix A: Figure 1- Topographic Map Figure 2 - Site Plan and Confirmation Sample Location Map (May 2002) Figure 3 – Site Plan and Confirmation Sample Location Map (June 1, 2007) Appendix B: **Tables** Appendix C: Laboratory Data Sheets Site Photographs Appendix D:

Soil Closure Compliance Report

Scharb to Vacuum - 4" Gathering
UL-N, SE ¼ of SW ¼ Section 33, Township 18 South, Range 35 East
Plains Pipeline SRS Number 2002-10128
Lea County, New Mexico

New Mexico Oil Conservation Division Number 1534

Terracon Project Number A4077048

1.0 INTRODUCTION

The Scharb to Vacuum - 4" Gathering crude oil release site is located approximately 19 miles west of Hobbs, in Lea County, New Mexico off of County Road 529. The leak site was located on property owned by the New Mexico State Land Trust with the surface rights currently leased for grazing.

The leak was discovered on April 23, 2002, with approximately 20 barrels of crude oil impacting the surrounding pastureland. At the time of the release, the pipeline was owned by EOTT Energy Partners, L. P. (EOTT). The crude oil release flowed in two directions on the surface: approximately 40 feet southwest, 225 feet northeast and was approximately 0.5 feet to 6 feet in depth. Upon discovery of the leak, EOTT dispatched a crew to the site which repaired the pipeline. From May 2, 2002 through May 9, 2002, Environmental Plus, Inc. (EPI) excavated the oil saturated topsoil and caliche and placed the excavated material on a plastic barrier surrounded by fencing adjacent to the excavated area.

A site investigation to delineate the vertical and horizontal extent of soil impact was conducted by EPI and included the installation of 13 soil borings and the collection of soil samples for laboratory analysis. Soil samples (SES5302BH1-5' through SES5302BH1-40'; SES5702BH2-5' through SES5702BH3-5' through SES5702BH3-20'; SES5702BH4-5' and SES5702BH3-5' through SES5802BH5-15'; SES5802BH6-5' through SES5802BH6-20'; SES5802BH7-5' and SES5802BH7-10'; SES5802BH8-5' through SES5802BH8-15'; SES5802BH9-5' through SES5802BH9-15'; SES5802BH10-5' through SES5802BH10-15'; SES5902BH11-5' through SES5902BH11-15'; SES5902BH12-5' through SES5902BH11-15', and SES5902BH13-5' through SES5902BH13-15') were collected at five foot intervals by EPI and analyzed for total petroleum hydrocarbons (TPH) as diesel and as gasoline by EPA Method 8015M and benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8260B.

In May 2002, TPH (as diesel) was detected in soil samples at concentrations ranging from below the laboratory reporting quantitation limit (RQL) (<5 milligrams per kilogram {mg/kg}) to 20,900 mg/kg. TPH (as gasoline) was detected in soil samples at concentrations ranging from below the RQL (<5



mg/kg) to 22,900 mg/kg. The highest concentrations of TPH occurred in soil samples collected near the pipeline leak approximately five feet below ground surface (bgs) in samples SES5302BH-1 and SES5702BH-2.

BTEX constituents were detected in soil samples ranging from less than their respective RQLs (<0.02 mg/kg) to 531 mg/kg, in May 2002. Two of the soil samples (SES5302BH1-5' and SES5702BH3-5') reported concentrations of benzene that exceeded the NMOCD remediation limit of 10 mg/kg for benzene. Two soil samples (SESS5302BH1-5' and SES5702BH3-5') contained Total BTEX at a concentration of 1,410.7 mg/kg and 509.8 mg/kg, which exceeds the NMOCD remediation limit of 50 mg/kg for Total BTEX. Analytical results are presented as Table 1 in Appendix B. Laboratory reports are presented in Appendix C of this report.

Supplemental soil sampling of the previously excavated area was performed on June 1, 2007, by Mr. Brandon Wilson of Terracon. A backhoe was used to over excavate areas of the previous excavation for bottom soil confirmation sample collection (BH-1 through BH-6) at depths ranging from 1 to 7 feet bgs. Sample locations were selected based on previous excavation analytical results and areas selected to delineate the original excavation. Sidewall samples were collected from the north wall (NW-1 through NW-3), south wall (SW-1 through SW-3), the east wall (EW-1 and EW-2), and the west wall (WW-1 and WW-2) of the previously excavated area. With the exception of confirmation soil samples NW-2 and SW-2 which were collected at approximately 2 feet bgs, side wall soil samples were collected at approximately 3 feet bgs. These samples were analyzed for TPH using EPA Method 8015M and BTEX using EPA Method 8021B.

On June 1, 2007, two composite soil samples (SP-1 Sec. 1 and SP-2 Sec. 2) were collected from the soil previously stockpiled in May 2002. These samples were also analyzed for TPH (EPA Method 8015M) and BTEX (EPA Method 8021B). Upon completion of the June 1, 2007 activities, the excavated area measured approximately 175 feet in width, 200 feet in length and ranged from 1 foot to 7 feet bgs in depth.

Soil confirmation samples collected on June 1, 2007 from the over excavation activities at the former pipeline leak did not contain TPH exceeding the laboratory reporting limit of 10 mg/kg for TPH. BTEX constituents were not detected in any of the soil confirmation samples collected from the excavation exceeding their respective laboratory reporting limits (<0.002 mg/kg). The soil samples collected from the excavation soil stockpile SP-1 (Sec. 1) and SP-2 (Sec. 2) contained TPH at 893 mg/kg and 835 mg/kg, respectively; however, these concentrations did not exceed the site specific NMOCD Remediation Limit of 1,000 mg/kg for TPH. BTEX constituents were not detected in SP-1 (Sec. 1) or SP-2 (Sec. 2) exceeding their respective laboratory reporting limits of 0.025 mg/kg.



1.1 Site Description

Site Name	Scharb to Vacuum - 4" Gathering
Site Location/GPS	Approximately 19 miles west of Hobbs, Lea County, New Mexico off County Road 529, 32° 41′ 54.45927" N, 103° 27′ 52.93973" W.
General Site Description	The immediate area surrounding the pipeline right-of-way in native pasture land.

A topographic map iş included as Figure 1, a site plan and confirmation sample location map (May 2002) is included as Figure 2 and site plan and confirmation sample location map (June 1, 2007) is included as Figure 3 of Appendix A.

1.2 Scope of Services

The Scope of Services for Terracon as requested by Plains Pipeline included:

- Initially backfilling the excavation with the stockpiled rocks and caliche at the site, followed by;
- Covering the rocks and caliche with stockpiled soils blended with ambient soil in the excavation area to natural grade; and
- Submittal of a Soil Closure Compliance Report detailing field activities, site maps and photographs.

1.3 Regulatory Framework

Crude oil facilities in New Mexico are generally regulated by the NMOCD. Contamination of soil due to a surface release of crude oil is addressed within a NMOCD guideline titled *Guidelines for Remediation of Leaks, Spills and Releases*, dated August 13, 1993.

Soils which are impacted by petroleum constituents are scored according to the ranking criteria to determine their relative threat to public health, fresh water, and the environment. Such limits are



defined by the depth to groundwater, wellhead protection area, and distance to surface water. Based on these ranking criteria, the remediation action level at this site is as follows:

Depth to Ground Water >50 feet Ranking Score = 10

(As defined as vertical distance from lowermost contaminants to seasonal high water level). Groundwater was not encountered during excavation activities; soil samples were collected as deep as forty feet bgs in May 2002. According to information obtained from the New Mexico Tech groundwater database groundwater at the site is approximately 60 feet bgs.

Wellhead Protection Area >1000' to water source

> >200' to domestic well Ranking Score = 0

Distance to Surface Water >1000 horizontal feet Ranking Score = 0

Total Ranking Score = 10

Based on total ranking criteria of 10, the remediation levels are as follows:

Benzene = 10 ppm BTEX = 50 ppm= 1,000 ppmTPH

1.4 Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Terracon makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report.

1.5 **Additional Scope Limitations**

Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this remediation activities. Subsurface



conditions may vary from those encountered at specific borings or wells or during other surveys, tests, assessments, investigations or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

1.6 Reliance

This report has been prepared for the exclusive use of Plains Pipeline, LP, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Plains Pipeline, LP and Terracon. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in this report, and Terracon's Terms and Conditions. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to the client and all relying parties unless otherwise agreed in writing.

2.0 FIELD ACTIVITIES

2.1 Backfilling Activities

All of the rock stockpile was used to backfill the excavation and approximately 1,500 cubic yards of remediated soils from the previous land treatment area were used to backfill the excavation, as near as possible to the natural grade of the surrounding area on October 23, 2007 though October 30, 2007. Photographs of the site activities are provided in Appendix C.

3.0 FINDINGS AND CONCLUSIONS

Backfilling activities were conducted in accordance with the NMOCD approved soil closure plan. Terracon respectfully submits this closure compliance report to Plains as documentation of the site soil closure activities. Based on the results of previous field activities and laboratory analyses, conducted by other consulting firms, the New Mexico State Land Office approved backfilling activities. Terracon recommends that Plains submit this report to the New Mexico State Land Office and the NMOCD as documentation that remediation was completed to NMOCD standards and further recommends Plains requests a "no further action" letter for the site soils.



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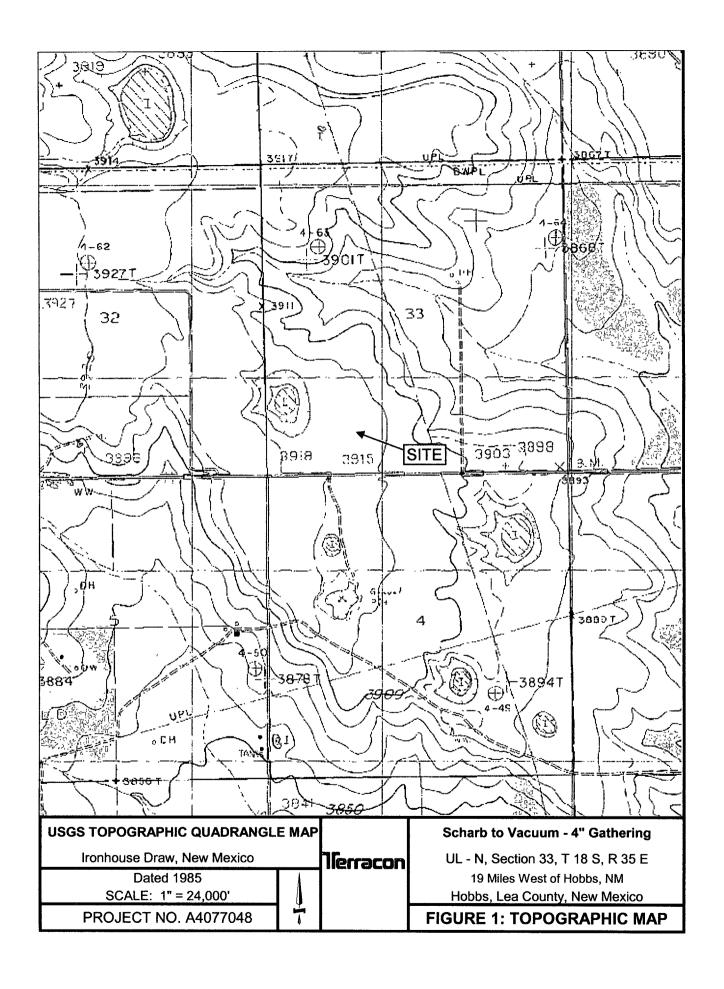
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APPENDIX A

Figure 1 – Topographic Map

Figure 2 – Site Plan and Confirmation Sample Location Map (May 2002)

Figure 3 – Site Plan and Confirmation Sample Location Map (June 1, 2007)



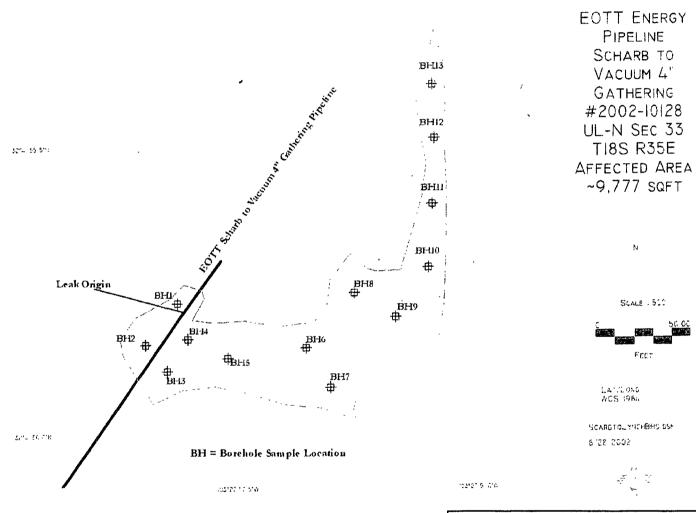
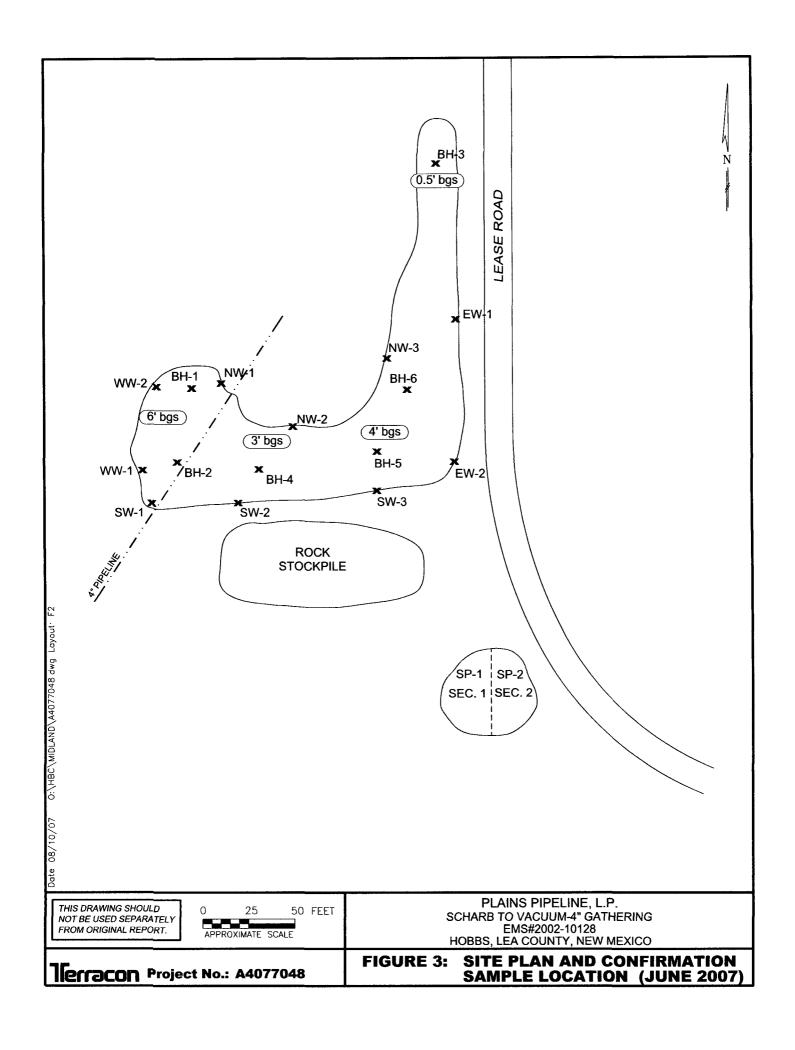


Figure 2 - Site Plan and Confirmation Sample Location Map (May 2002)

Scharb to Vacuum - 4" Gathering
UL - N, Section 33, T 18 S, R 35 E
19 Miles West of Hobbs, NM
Hobbs, Lea County, NM
Prepared by Environmental Plus, Inc. (EPI)

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APPENDIX B

Tables

TABLE 1

SUMMARY OF SOIL BTEX AND TPH ANALYTICAL RESULTS Scharb to Vacuum - 4" Pipeline Leak Hobbs, Lea County, New Mexico

Plains Pipeline, L. P. EMS Number 2002-10128 Terracon Project Number A4077048

(all concentrations are in milligrams per kilogram)

Sam _l ID
SES5902E SES5902E SES5902E SES5902E SES5902E
BH- BH- BH-
BH- BH-
WW, WW, SW!
SW NW NW
EW-
SP-1 (S SP-2 (S

EPA	
NMOC	D
na	
Soil Re	me
Notes:	The
	Sc

NMC

0		01	0.11			BTEX EPA Meti	·	e in minigrai		Total Petrol	eum Hydrocarbons lethod 8015M	To	otal Petrolei EPA Me	ım Hydroca thod 8015N	
Sample ID	Sample Date		Soil Status	Benzene	Toluene	Ethylbenzene	Xylene (p/m)	Xylene (o)	Total BTEX	TPH by GC (as diesel)	TPH by GC (as gaasoline)	Carbon Ranges C ₆ - C- ₁₂	Carbon Ranges C ₁₂ - C ₂₈	Carbon Ranges C ₂₈ - C ₃₅	Total Hydrocarbons
SES5302BH1-5'	05/03/02	5'	In-Situ	62.7	453	194	531	170	1,410.7	20,900	22,900	na	na	na	na
SES5302BH1-10'	05/03/02	10'	In-Situ	<0.02	0 471	0.647	2 08	0 765	3.963	78.9	50 8	na	na	na	na
SES5302BH1-15'	05/03/02	15'	In-Situ	<0.02	<0 02	<0.02	0.0737	0.0364	0 1101	105	23.6	na	na	na	na
SES5302BH1-20'	05/03/02	20'	In-Situ	<0 02	0 026	0 0675	0.284	0 125	0 5025	157	27 5	na	na	na	na
SES5302BH1-25'	05/03/02	25'	In-Situ	<0.02	0 394	0.726	24	0.948	4.468	798	359	na	na	na	na
SES5302BH1-30'	05/03/02	30'	In-Situ	<0 02	0 0426	0.219	0.892	0 379	1 5326	953	336	na	па	na	na
SES5302BH1-35'	05/03/02	35'	In-Situ	<0 02	<0.02	<0.02	<0 02	<0 02	<0.02	15.2	< 5	na	na	na	na
SES5302BH1-40'	05/03/02	40'	In-Situ	<0 02	0.0408	0.0801	0 292	0 12	0 5329	168	43.2	na	na	na	na
SES5702BH2-5'	05/07/02	5'	In-Situ	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	78.6	< 5	na	na	na	na
SES5702BH2-10'	05/07/02	10'	In-Situ	<0 02	<0 02	<0.02	<0.02	<0 02	<0.02	<5	< 5	na	na	na	na
SES5702BH2-15'	05/07/02	15'	In-Situ	<0.02	<0.02	<0.02	<0.02	<0.02	<0 02	<5	< 5	na	na	na	па
SES5702BH2-20'	05/07/02	20'	In-Situ	<0.02	<0 02	<0.02	<0.02	<0 02	<0.02	<5	< 5	na	na	na	na
SES5702BH3-5'	05/07/02	5'	In-Situ	13.6	150	72	210	64 2	509.8	5,330	7,610	na	na	na	na
SES5702BH3-10'	05/07/02	10'	In-Situ	<0 02	<0 02	<0.02	<0 02	<0.02	<0.02	7 24	< 5	na	na	na	na
SES5702BH3-15'	05/07/02	15'	In-Situ	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<5	< 5	na	na	na	na
SES5702BH3-20'	05/07/02	20'	In-Situ	<0 02	<0 02	<0.02	<0 02	<0.02	<0.02	<5	< 5	na	na	na	na
SES5702BH4-5'	05/07/02	5'	In-Situ	<0.02	0.153	0 207	0.667	0.241	1 268	6.78	< 5	na	na	na	na
SES5702BH4-10'	05/07/02	10'	In-Situ	<0.02	<0.02	<0.02	<0 02	<0.02	<0 02	47.1	>5	na	na	na	na
SES5802BH5-5'	05/08/02	5	In-Situ	<0.02	<0.02	<0.02	<0 02	<0 02	<0.02	23.2	>5	na	na	na	na
SES5802BH5-10'	05/08/02	10'	In-Situ	<0.02	<0.02	<0.02	<0 02	<0 02	<0.02	67.9	5.6	na	na	na	na
SES5802BH5-15'	05/08/02	15'	In-Situ	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	6.37	< 5	na	na	na	na
SES5802BH6-5'	05/08/02	5'	In-Situ	<0.02	<0.02	<0.02	<0 02	<0.02	<0.02	<5	< 5	na	na	na	na
SES5802BH6-10'	05/08/02	10'	In-Situ	<0.02	<0.02	<0.02	0.0245	<0.02	0 0245	136	31.4	na	na	na	na
SES5802BH6-15'	05/08/02	15'	In-Situ	<0.02	<0.02	<0.02	0 0311	<0 02	0 0311	35.6	< 5	na	na	na	na
SES5802BH6-20'	05/08/02	20'	In-Situ	<0.02	<0.02	<0.02	<0.02	<0 02	<0.02	<5	< 5	na	na	na	na
SES5802BH7-5'	05/08/02	5'	In-Situ	<0.02	<0.02	<0.02	<0 02	<0.02	<0.02	<5	<5	na	na	na	na
SES5802BH7-10'	05/08/02	10'	In-Situ	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<5	< 5	na	na	na _	na
SES5802BH8-5'	05/08/02	5'	In-Situ	<0.02	<0.02	<0.02	<0 02	<0.02	<0 02	<5	<5	na	na	na	na
SES5802BH8-10'	05/08/02	10'	In-Situ	<0.02	<0.02	<0 02	<0.02	<0.02	<0.02	<5	<5	na	na	na	na
SES5802BH8-15'	05/08/02	15'	In-Situ	<0.02	<0.02	<0.02	<0 02	<0.02	<0.02	<5	<5	na	na	na	na
SES5802BH9-5'	05/08/02	5'	In-Situ	<0.02	<0.02	<0 02	<0.02	<0.02	<0.02	<5	<5	na	na	na	na
SES5802BH9-10'	05/08/02	10'	In-Situ	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<5	<5	na	na	na	na
SES5802BH9-15'	05/08/02	15'	In-Situ	<0.02	<0.02	<0.02	<0 02	<0.02	<0.02	<5	<5	na	na	na	na
SES5802BH10-5'	05/08/02	5'	In-Situ	<0 02	<0.02	<0.02	<0.02	<0.02	<0.02	36 9	< 5	na	na	na	na
SES5802BH10-10'	05/08/02	10'	In-Situ	<0.02	<0.02	<0.02	<0 02	<0.02	<0.02	<5	<5	na	na	na	na
SES5802BH10-15'	05/08/02	15'	In-Situ	<0 02	<0.02	<0.02	<0.02	<0.02	<0.02	21.1	<5	na	na	na	na
SES5902BH11-5'	05/09/02	5'	In-Situ	<0 02	<0 02	<0.02	<0.02	<0.02	<0.02	<5	<5	na	na	na	na
SES5902BH11-10'	05/09/02	10'	In-Situ	<0.02	<0.02	<0.02	<0.02	<0 02	<0.02	<5	<5	na	na	na	na
SES5902BH11-15'	05/09/02	15'	In-Situ	<0 02	<0 02	<0.02	<0 02	<0.02	<0.02	5 46	<5	na	na	na	na
SES5902BH12-5'	05/09/02	5'	In-Situ	<0 02	<0 02	<0.02	<0 02	<0 02	<0.02	<5	<5	na	na	na	na

Prepared by/date_____ Checked by/date

TABLE 1

SUMMARY OF SOIL BTEX AND TPH ANALYTICAL RESULTS Scharb to Vacuum - 4" Pipeline Leak Hobbs, Lea County, New Mexico Plaine Pipeline I. P. EMS Number 2002-10129

Plains Pipeline, L. P. EMS Number 2002-10128 Terracon Project Number A4077048

(all concentrations are in milligrams per kilogram)

0		ample Sample Date Depth	amula Sail	BTEX EPA Method 8021B						1	eum Hydrocarbons fethod 8015M	To	Total Petroleum Hydrocarbons EPA Method 8015M			
Sample ID	Sample Date		Soil Status	Benzene	Toluene	Ethylbenzene	Xylene (p/m)	Xylene (o)	Total BTEX	TPH by GC (as diesel)	TPH by GC (as gaasoline)	Carbon Ranges C ₆ - C- ₁₂	Carbon Ranges C ₁₂ - C ₂₈	Carbon Ranges C ₂₈ - C ₃₅	Total Hydrocarbons	
SES5902BH12-10'	05/09/02	10'	In-Situ	<0.02	<0 02	<0.02	<0.02	<0.02	<0 02	<5	< 5	na	na	na	na	
SES5902BH12-15'	05/09/02	15'	In-Situ	<0.02	<0 02	<0.02	<0.02	<0.02	<0 02	<5	<5	na	na	na	na	
SES5902BH13-5'	05/09/02	5'	In-Situ	<0.02	<0 02	<0.02	<0.02	<0.02	<0 02	<5	<5	na	na	na	na	
SES5902BH13-10'	05/09/02	10'	In-Situ	<0.02	<0.02	<0.02	<0 02	<0.02	<0.02	<5	<5	na	na	na	па	
SES5902BH13-15'	05/09/02	15'	In-Situ	<0.02	<0.02	<0.02	<0 02	<0.02	<0.02	<5	<5	na	na	na	na	
BH-1	06/01/07	7'	In-Situ	<0.002	<0.002	<0.002	<0 002	<0.002	<0.02	na	na	<10	<10	<10	<10	
BH-2	06/01/07	7'	In-Situ	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	na	na	<10	<10	<10	<10	
BH-3	06/01/07	1,	In-Situ	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	na	na	<10	<10	<10	<10	
BH-4	06/01/07	4.5'	In-Situ	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02	na	na	<10	<10	<10	<10	
BH-5	06/01/07	5.5'	In-Situ	<0.002	<0 002	<0.002	<0.002	<0 002	<0.02	na	na	<10	<10	<10	<10	
BH-6	06/01/07	5'	In-Situ	<0.002	<0.002	<0.002	<0.002	<0 002	<0.02	na	na	<10	<10	<10	<10	
WW-1	06/01/07	3'	In-Situ	<0.002	<0 002	<0 002	<0.002	<0.002	<0.02	na	na	<10	<10	<10	<10	
WW-2	06/01/07	3'	In-Situ	<0.002	<0.002	<0.002	<0.002	<0 002	<0.02	na	na	<10	<10	<10	<10	
SW-1	06/01/07	3'	In-Situ	<0.002	<0 002	<0 002	<0.002	<0.002	<0.02	na	na	<10	<10	<10	<10	
SW-2	06/01/07	2'	In-Situ	<0.002	<0.002	<0.002	<0 002	<0 002	<0.02	na	na	<10	<10	<10	<10	
SW-3	06/01/07	3'	In-Situ	<0.002	<0.002	<0 002	<0.002	<0.002	<0.02	na	na	<10	<10	<10	<10	
NW-1	06/01/07	3'	In-Situ	<0.002	<0.002	<0.002	<0 002	<0 002	<0 02	na	na	<10	<10	<10	<10	
NW-2	06/01/07	2'	In-Situ	<0 002	<0.002	<0.002	<0.002	<0.002	<0.02	na	na	<10	<10	<10	<10	
NW-3	06/01/07	3'	In-Situ	<0 002	<0 002	<0 002	<0 002	<0 002	<0.02	na	na	<10	<10	<10	<10	
EW-1	06/01/07	3'	In-Situ	<0 002	<0.002	<0.002	<0.002	<0.002	<0.02	na	na	<10	<10	<10	<10	
EW-2	06/01/07	3'	In-Situ	<0.002	<0 002	<0.002	<0.002	<0.002	<0 02	na	na	<10	<10	<10	<10	
SP-1 (Sec 1)	06/01/07	Grab	Grab	<0 025	<0.025	<0.025	<0 025	<0 025	<0 025	na	na	16.4	706	171	893	
SP-2 (Sec.2)	06/01/07	Grab	Grab	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	na	na	19.9	654	160	835	
NMOCD Remo	ediation Lin	nits		10					50	L 1		l		l	1,000	

EPA - United States Environmental Protection Agency

NMOCD - New Mexico Oil Conservation Division
na - Sample not analyzed for this consitiuent

Soil Remediation Limits were determined using the NMOCD Guidelines for Remediation of Leaks, Spills and Releases dated August 13, 1993

Notes: The bottom of the original excavation in 2002 ranged to 0.5' to 6' bgs In June 2007, a backhoe was utilized to dig below the original excavation floor to collect confirmation samples

Soil Samples SP-1 (Sec. 1) and SP-2 (Sec.2) were collected from the stock pile soils derived from the 2002 excavation

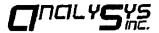
Prepared by/date_____ Checked by/date

APPENDIX C

Laboratory Data Sheets

Sample Analysis Case Narrative & Exceptions Report

Client: Environmental Plus, Inr. Project ID: 2002-10128 Schrab to
Attn: Pat McCasland
Aun: 14. Physic equipment
for Sample #'s 129 265 thru 129 309
Analyzed by AnalySys, Inc.
Final Review Date: 5/16/02 By: R.J. Loster)
OTHER: Sample 129306 was received broken but was contained inside a plastic bag.
but was contained inside a plastic bag.
Analyzed per Cody Miller.
·



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#/Lab ID#: 129265

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5302BH1-5'

Sample Matrix: soil

REPORT OF ANALYSIS

OUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	20900	mg/K.g	500	<500	05/14/02	8015 mod.		1.2	95.8	117.9	86.1
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	22900	mg/Kg	500	<500	05/14/02	8015 mod.	 	1	83.6	100.8	76.4
Volatile organics-8260b/BTEX					05/14/02	8260b				•	
Benzene	62700	μg/Kg	1000	<1000	05/14/02	8260b		2.4	77.1	83.7	83
Ethylbenzene	194000	μg/Kg	1000	<1000	05/14/02	8260Ъ	 	1.8	106	106.3	107.1
m,p-Xylenes	531000	μg/Kg	1000	<1000	05/14/02	8260b	!	2.5	113.8	114.8	115.4
o-Xylene	170000	μg/Kg	1000	<1000	05/14/02	8260b	 	1.7	107.4	108.8	109.7
Toluene	453000	μg/Kg	1000	<1000	05/14/02	8260b		0.9	87.7	93.6	95.6

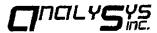
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All 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,

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: 2002-10128 Schrab to Lynch
Sample Name: SES5302BH1-5'

Report#/Lab ID#: 129265
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	none/diluted	diluted @ 50X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	none/diluted	diluted @ 50X	D
Toluene-d8	8260Ь	none/diluted	diluted @ 50X	D

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

Exceptions Report:

Report #/Lab ID#: 129265 Matrix: soil

Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch Sample Name: SES5302BH1-5'

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

Sample received in appropriate container(s) and appear to be appropriately preserved.

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

☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

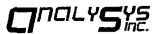
J flag Discussion

A J flag data qualifier indicates (as required under 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		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.
Nitrobenzene-d5 Nitrobenzene-d5		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		Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.
Toluene-d8 Toluene-d8		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:	-	 _	
		 	



OHALITY ASSURANCE DATA!

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#/Lab ID#: 129266

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5302BH1-10'

Sample Matrix: soil

REPORT OF ANALYSIS

REPORT OF ANALISIS	JUNI OF ANALISIS										
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	78.9	mg/Kg	5	<5	05/13/02	8015 mod.		1.2	95.8	117.9	86.1
TPH by GC (as diesel-ext)					05/13/02	3540	 				
TPH by GC (as gasoline)	50.8	mg/K.g	5	<5	05/13/02	8015 mod.	 	1	83.6	100.8	76.4
Volatile organics-8260b/BTEX				***************************************	05/13/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/13/02	8260b		1.9	90.2	91.6	86.9
Ethylbenzene	647	μg/Kg	20	<20	05/13/02	8260b		0.6	102 <i>.</i> 7	104.3	107.5
m,p-Xylenes	2080	μg/Kg	20	<20	05/13/02	8260b	 	0.7	111	112.4	115.9
o-Xylene	765	μg/Kg	20	<20	05/13/02	8260b	 	0.7	106	106.1	109.3
Toluene	471	μg/Kg	20	<20	05/13/02	8260b		1.6	100.9	96.7	91

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

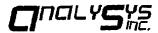
Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5302BH1-10'

Report#/Lab ID#: 129266
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	96.1	50-150	
p-Terphenyl	8015 mod.	100	50-150	
1,2-Dichloroethane-d4	8260b	86.5	65-115	
Toluene-d8	8260b	76.7	50-120	

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



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#/Lab ID#: 129267

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5302BH1-15'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/03/2002 Time: 14:05

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	105	mg/Kg	5	<5	05/13/02	8015 mod.		1.2	95.8	117.9	86.1
TPH by GC (as diesel-ext)					05/13/02	3540	1				
TPH by GC (as gasoline)	23.6	mg/Kg	5	<5	05/13/02	8015 mod.		1	83.6	100.8	76.4
Volatile organics-8260b/BTEX					05/13/02	8260ъ					
Benzene	<20	μg/Kg	20	<20	05/13/02	8260b		1.9	90.2	91.6	86.9
Ethylbenzene	<20	μg/Kg	20	<20	05/13/02	8260b	J	0.6	102.7	104.3	107.5
m,p-Xylenes	73.7	μg/Kg	20	<20	05/13/02	8260b		0.7	111	112.4	115.9
o-Xylene	36.4	μg/Kg	20	<20	05/13/02	8260b		0.7	106	106.1	109.3
Toluene	<20	μg/Kg	20	<20	05/13/02	8260ხ	1	1.6	100.9	96.7	91

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 Faster

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5302BH1-15'

Report#/Lab ID#: 129267
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	103	50-150	
p-Terphenyl	8015 mod.	149	50-150	
1,2-Dichloroethane-d4	8260b	78.5	65-115	
Toluene-d8	8260b	87.4	50-120	

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

Exceptions Report:

Report #/Lab ID#: 129267 Matrix: soil
Client: Environmental Plus, Inc.
Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5302BH1-15'

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

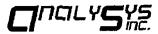
- Sample received in appropriate container(s) and appear to be appropriately preserved.
 Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

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
Ethylbenzene) 1	See I-flag discussion above.
Toluene	J	See I-flag discussion above.
Notes:		
		· ·



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#/Lab ID#: 129268

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5302BH1-20'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/03/2002 Time: 14:45

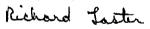
REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	157	mg/Kg	5	<5	05/13/02	8015 mod.		1.2	95.8	117.9	86.1
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	27.5	mg/Kg	5	<5	05/13/02	8015 mod.	ii	1	83.6	100.8	76.4
Volatile organics-8260b/BTEX		1			05/13/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/13/02	8260b		1.9	90.2	91.6	86.9
Ethylbenzene	67.5	μg/Kg	20	<20	05/13/02	8260b		0.6	102.7	104.3	107.5
m,p-Xylenes	284	μg/Kg	20	<20	05/13/02	8260Ъ	 	0.7	111	112.4	115.9
o-Xylene	128	μg/Kg	20	<20	05/13/02	8260b	 	0.7	106	106.1	109.3
Toluene	26	μg/Kg	20	<20	05/13/02	8260b		1.6	100.9	96.7	91

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

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

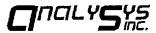
Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5302BH1-20'

Report#/Lab ID#: 129268
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	93.3	50-150	
p-Terphenyl	8015 mod.	115	50-150	
1,2-Dichloroethane-d4	8260b	86.5	65-115	
Toluene-d8	8260b	90.2	50-120	

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



Address: 1324 M.St Po Box

Eunice

Environmental Plus, Inc.

Pat McCasland

(505) 394-3481

Client:

Phone:

Attn:

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

Report#/Lab ID#: 129269

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5302BH1-25'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50

Date Sampled: 05/03/2002 Time: 15:10

REPORT OF ANALYSIS

OUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	798	mg/Kg	5	<5	05/13/02	8015 mod.		1.2	95.8	117.9	86.1
TPH by GC (as diesel-ext)					05/13/02	3540				~~~	
TPH by GC (as gasoline)	359	mg/Kg	5	<5	05/13/02	8015 mod.	99.0	1	83.6	100.8	76.4
Volatile organics-8260b/BTEX					05/14/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b	 	2.4	77.1	83.7	83
Ethylbenzene	726	μg/Kg	20	<20	05/14/02	8260b		1.8	· 106	106.3	107.1
m,p-Xylenes	2400	μg/Kg	20	<20	05/14/02	8260b	 	2.5 .	113.8	114.8	115.4
o-Xylene	948	μg/Kg	20	<20	05/14/02	8260b		1.7	107.4	108.8	109.7
Toluene	394	μg/Kg	20	<20	05/14/02	8260b		0.9	87.7	93.6	95.6

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

NM 88231

FAX: (505) 394-2601

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: 2002-10128 Schrab to Lynch
Sample Name: SES5302BH1-25'

Report#/Lab ID#: 129269
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Method	Recovery	Recovery Limit	Data Qualifiers
8015 mod.	73.9	50-150	
8015 mod.	102	50-150	
8260b	82	65-115	
8260b	86.2	50-120	Í
	8015 mod. 8015 mod. 8260b	8015 mod. 73.9 8015 mod. 102 8260b 82	8015 mod. 73.9 50-150 8015 mod. 102 50-150 8260b 82 65-115

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



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#/Lab ID#: 129270

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5302BH1-30'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/03/2002 Time: 15:45

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS4				
TPH by GC (as diesel)	953	mg/Kg	5	<5	05/13/02	8015 mod.		1.2	95.8	117.9	86.1				
TPH by GC (as diesel-ext)					05/13/02	3540			 -						
TPH by GC (as gasoline)	336	mg/Kg	5	<5	05/13/02	8015 mod.		1	83.6	100.8	76.4				
Volatile organics-8260b/BTEX					05/13/02	8260b									
Benzene	<20	μg/Kg	20	<20	05/13/02	8260b		1.9	90.2	91.6	86.9				
Ethylbenzene	219	μg/Kg	20	<20	05/13/02	8260Ъ		0.6	102.7	104.3	107.5				
m,p-Xylenes	892	μg/Kg	20	<20	05/13/02	8260b		0.7	111	112.4	115.9				
o-Xylene	379	μg/Kg	20	<20	05/13/02	8260b		0.7	106	106.1	109.3				
Toluene	42.6	μg/Kg	20	<20	05/13/02	8260b		1.6	100.9	96.7	91				

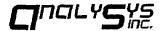
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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5302BH1-30'

Report#/Lab ID#: 129270
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	74.6	50-150	
p-Terphenyl	8015 mod.	101	50-150	
1,2-Dichloroethane-d4	8260b	79.8	65-115	
Toluene-d8	8260b	92.3	50-120	

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



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#/Lab ID#: 129271 Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5302BH1-35'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50 **Date Sampled:** 05/03/2002 Time: 16:20

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	15.2	mg/Kg	5	<5	05/13/02	8015 mod.		1.2	95.8	117.9	86.1
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg .	5	<5	05/13/02	8015 mod.		1	83.6	100.8	76.4
Volatile organics-8260b/BTEX					05/13/02	8260b					
Benzene	<20	μg/K.g	20	<20	05/13/02	8260b		1.9	90.2	91.6	86.9
Ethylbenzene	<20	μg/Kg	20	<20	05/13/02	8260b		0.6	102.7	104.3	107.5
m,p-Xylenes	<20	μg/Kg	20	<20	05/13/02	8260b		0.7	111	112.4	115.9
o-Xylene	<20	μg/Kg	20	<20	05/13/02	8260b	 	0.7	106	106.1	109.3
Toluene	<20	μg/Kg	20	<20	05/13/02	8260b	u+ #	1.6	100.9	96.7	91

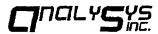
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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

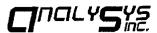
Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5302BH1-35'

Report#/Lab ID#: 129271
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	89.5	50-150	
p-Terphenyl	8015 mod.	88.5	50-150	
1,2-Dichloroethane-d4	8260b	90	65-115	
Toluene-d8	8260b	87.1	50-120	

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



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#/Lab ID#: 129272 Report Date: 05/15/02

Project ID: 2002-10128 Schreb to Lynch

Sample Name: SES5302BH1-40'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/03/2002 Time: 16:53

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	168	mg/Kg	5	<5	05/13/02	8015 mod.		1.2	95.8	117.9	86.1
TPH by GC (as diesel-ext)				J	05/13/02	3540]
TPH by GC (as gasoline)	43.2	mg/Kg	5	<5	05/13/02	8015 mod.	 	1	83.6	100.8	76.4
Volatile organics-8260b/BTEX					05/14/02	8260Ъ					
Benzene	<20	μg/Kg	20	<20	05/14/02	• 8260Ъ		2,4	77.1	83.7	83
Ethylbenzene	80.1	μ g/K g	20	<20	05/14/02	8260ъ	 	1.8	106	106.3	107.1
m,p-Xylenes	292	μg/Kg	20	<20	05/14/02	8260Ъ]]	2.5	113.8	114.8	115.4
o-Xylene	120	μg/Kg	20	<20	05/14/02	8260b	 	1.7	107.4	108.8	109.7
Toluene	40.8	μg/Kg	20	<20	05/14/02	8260b		0.9	87.7	93.6	95.6

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Respectfully Submitted.

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schreb to Lynch
Sample Name: SES5302BH1-40'

Report#/Lab ID#: 129272
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	- 8015 mod.	102	50-150	
p-Terphenyl	8015 mod.	96.1	50-150	
1,2-Dichloroethane-d4	8260b	97.6	65-115	
Toluene-d8	8260b	84.5	50-120	

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



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#/Lab ID#: 129273

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5702BH2-5'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/07/2002 Time: 09:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

							<u> </u>				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	78.6	mg/Kg	5	<5	05/13/02	8015 mod.		1.2	95.8	117.9	86.1
TPH by GC (as diesel-ext)					05/13/02	3540			 		
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		1	83.6	100.8	76.4
Volatile organics-8260b/BTEX					05/13/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/13/02	8260b		1.9	90.2	91,6	86.9
Ethylbenzene	<20	μg/Kg	20	<20	05/13/02	8260b		0.6	102.7	104.3	107.5
m,p-Xylenes	<20	μg/Kg	20	<20	05/13/02	8260b	***	0.7	111	112.4	115.9
o-Xylene	<20	μg/Kg	20	<20	05/13/02	8260b		0.7	106	106.1	109.3
Toluene	<20	μg/Kg	20	<20	05/13/02	8260b		1.6	100.9	96.7	91

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Respectfully Submitted,

Richard Faster

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5702BH2-5'

Report#/Lab ID#: 129273
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	97.9	50-150	
p-Terphenyl	8015 mod.	121	50-150	
1,2-Dichloroethane-d4	8260b	91.6	65-115	
Toluene-d8	8260b	94.4	50-120	

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



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#/Lab ID#: 129274

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5702BH2-10'

Sample Matrix: soil

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

TOTO OTTA OT TENTAL TOTO							VOILUIT X				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		1.2	95.8	117.9	86.1
TPH by GC (as diesel-ext)					05/13/02	3540				1	
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		1	83.6	100.8	76.4
Volatile organics-8260b/BTEX				***************************************	05/13/02	8260b					
Benzene	<20	μ g/K g	20	<20	05/13/02	8260b		1.9	90.2	91.6	86.9
Ethylbenzene	<20	μg/Kg	20	<20	05/13/02	8260b		0.6	102.7	104.3	107.5
m,p-Xylenes	<20	μg/Kg	20	<20	05/13/02	8260b		0.7	111	112.4	115.9
o-Xylene	<20	μg/Kg	20	<20	05/13/02	8260b		0.7	106	106.1	109.3
Toluene	<20	μg/Kg	20	<20	05/13/02	8260b		1.6	100.9	96.7	91

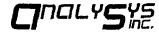
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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.
Attn: Pat McCasland Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5702BH2-10' Report#/Lab ID#: 129274
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	114	50-150	
p-Terphenyl	8015 mod.	110	50-150	·
1,2-Dichloroethane-d4	8260b	91.4	65-115	
Toluene-d8	8260b	91	50-120	

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



OHALITY ASSURANCE DATA!

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#/Lab ID#: 129275

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5702BH2-15'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50 **Date Sampled:** 05/07/2002 Time: 10:15

REPORT OF ANALYSIS

KEFUKI OF ANALISIS							QUALITY	ADDUM	WILL CITY IN	1177	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		1.2	95.8	117.9	86.1
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.	 	1	83.6	100.8	76.4
Volatile organics-8260b/BTEX					05/13/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/13/02	8260b	ii	1.9	90.2	91.6	86.9
Ethylbenzene	<20	μg/Kg	20	<20	05/13/02	8260b		0.6	102.7	104.3	107.5
m,p-Xylenes	<20	μg/Kg	20	<20	05/13/02	8260Ъ	!	0.7	111	112.4	115.9
o-Xylene	<20	μg/Kg	20	<20	05/13/02	8260Ъ		0.7	106	106.1	109.3
Toluene	<20	μg/Kg	20	<20	05/13/02	8260b		1.6	100.9	96.7	91

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.
Attn: Pat McCasland Project ID: 2002-10128 Schrab to Lynch Sample Name: SES5702BH2-15' Report#/Lab ID#: 129275 Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	109	50-150	
p-Terphenyl	8015 mod.	87.1	50-150	
1,2-Dichloroethane-d4	8260b	104	65-115	
Toluene-d8	8260b	89	50-120	

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



OHALITY ASSURANCE DATA!

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#/Lab ID#: 129276

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5702BH2-20'

Sample Matrix: soil

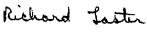
Date Received: 05/10/2002 Time: 10:50 **Date Sampled:** 05/07/2002 Time: 10:40

REPORT OF ANALYSIS

						VUILLE I	1100 C XX	TELL C D DI		
Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
<5	mg/Kg	5	<5	05/13/02	8015 mod.		1.2	95.8	117.9	86.1
				05/13/02	3540					
<5	mg/Kg	5	<5	05/13/02	8015 mod.		1	83.6	100.8	76.4
				05/13/02	8260b					
<20	μg/Kg	20	<20	05/13/02	8260b	#	1.9	90.2	91.6	86.9
<20	μg/Kg	20	<20	05/13/02	8260b		0.6	102.7	104.3	107.5
<20	μg/Kg	20	<20	05/13/02	8260b		0.7	111	112.4	115.9
<20	μg/Kg	20	<20	05/13/02	8260b		0.7	106	106.1	109.3
<20	μg/Kg	20	<20	05/13/02	8260b		1.6	100.9	96.7	91
	<5 <5 <20 <20 <20 <20	<pre> <5 mg/Kg</pre>	<pre> <5 mg/Kg 5</pre>	<5	<5	<5	Result Units RQL Blank Date Method Data Qual 7	Result Units RQL Blank Date Method Data Qual Prec.	Result Units RQL Blank Date Method Data Qual Prec. Recov.	<5

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Respectfully Submitted,



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: 2002-10128 Schrab to Lynch
Sample Name: SES5702BH2-20'

Report#/Lab ID#: 129276
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	108	50-150	
p-Terphenyl	8015 mod.	87.3	50-150	
1,2-Dichloroethane-d4	8260b	92.1	65-115	
Toluene-d8	8260b	87.1	50-120	

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



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#/Lab 1D#: 129277

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5702BH3-5'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/07/2002 Time: 11:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	5330	mg/K.g	50	<50	05/14/02	8015 mod.		1.2	95.8	117.9	86.1
TPH by GC (as diesel-ext)					05/13/02	3540	ļ				
TPH by GC (as gasoline)	7610	mg/Kg	50	<50	05/14/02	8015 mod.		I	83.6	100.8	76.4
Volatile organics-8260b/BTEX					05/14/02	8260b					
Benzene	13600	μg/Kg	1000	<1000	05/14/02	8260b		2.4	77.1	83.7	83
Ethylbenzene	72000	μg/Kg	1000	<1000	05/14/02	8260b		1.8	106	106.3	107.1
m,p-Xylenes	210000	μg/Kg	1000	<1000	05/14/02	8260b		2.5	113.8	114.8	115.4
o-Xylene	64200	μg/Kg	1000	<1000	05/14/02	8260b		1.7	107.4	108.8	109.7
Toluene	150000	μg/Kg	1000	<1000	05/14/02	8260b	***	0.9	87.7	93.6	95.6

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Respectfully Submitted,

Richard Laster

Richard Laster

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Exceptions Report:

Report #/Lab ID#:129277 Matrix: soil

Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5702BH3-5'

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

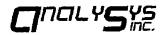
- Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under 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	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.
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.
Toluene-d8 Toluene-d8	D D	Sample diluted to assure quantitation within calibration range or due to Matrix interferences or other matrix effects (eg. high non-target organic levels). Surrogate recoveries not accurately quantifiable.



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#/Lab ID#: 129278

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5702BH3-10

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/07/2002 Time: 12:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

							QUILLIT				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	7.24	mg/Kg	5	<5	05/15/02	8015 mod.		11	96.1	124.6	119.1
TPH by GC (as diesel-ext)					05/15/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11.4	92.1	105.5	91.7
Volatile organics-8260b/BTEX					05/13/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/13/02	8260b		1.9	90.2	91.6	86.9
Ethylbenzene	<20	μg/Kg	20	<20	05/13/02	8260Ъ	₩	0.6	102.7	104.3	107.5
m,p-Xylenes	<20	μg/Kg	20	<20	05/13/02	8260b		0.7	111	112.4	115.9
o-Xylene	<20	μg/Kg	20	<20	05/13/02	8260b	[]	0.7	106	106.1	109.3
Toluene	<20	μg/Kg	20	<20	05/13/02	8260b	∦	1.6	100.9	96.7	91

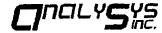
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Respectfully Submitted,

Richard Taster

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5702BH3-10'

Report#/Lab ID#: 129278
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	113	50-150	
p-Terphenyl	8015 mod.	91.7	50-150	
1,2-Dichloroethane-d4	8260b	104	65-115	
Toluene-d8	8260b	97.4	50-120	

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



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#/Lab ID#: 129279

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5702BH3-15'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/07/2002 Time: 12:40

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/K.g	5	<5	05/13/02	8015 mod.		2,6	98.1	105.3	96.2
TPH by GC (as diesel-ext)	,				05/13/02	3540	 				
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX					05/14/02	8260b		~			
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		2.4	77.1	83.7	83
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b	#	1.8	106	106.3	107.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/14/02	8260b		2.5	113.8	114.8	115.4
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260b	<u> </u>	1.7	107.4	108.8	109.7
Toluene	<20	μg/Kg	20	<20	05/14/02	8260b		0.9	87.7	93.6	95.6

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5702BH3-15'

Report#/Lab ID#: 129279
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.	81.3	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.



1.7

0.9

107.4

87.7

108.8

93.6

109.7

95.6

Environmental Plus, Inc. Client:

Attn: Pat McCasland Address: 1324 M.St Po Box

Eunice

NM 88231

Phone: (505) 394-3481

FAX: (505) 394-2601

Report#/Lab ID#: 129280

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5702BH3-20'

Sample Matrix: soil

8260Ь

8260b

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/07/2002 Time: 14:35

REPORT OF ANALYSIS

o-Xylene

Toluene

QUALITY ASSURANCE DATA¹ Prec.2 Recov.3 Method 6 RQL⁵ Data Oual 7 CCV⁴ LCS4 Parameter Result Units Blank Date TPH by GC (as diesel) <5 mg/Kg 5 <5 05/13/02 8015 mod. 2.6 98.1 105.3 96.2 05/13/02 TPH by GC (as diesel-ext) 3540 ------------------------5 TPH by GC (as gasoline) <5 mg/Kg <5 05/13/02 8015 mod. 12.9 80.8 96.5 80.6 Volatile organics-8260b/BTEX 05/14/02 8260b ------Benzene <20 20 <20 05/14/02 8260b 2.4 77.1 83.7 83 μg/Kg 05/14/02 8260b Ethylbenzene <20 μg/Kg 20 <20 1.8 106 106.3 107.1 ___ m,p-Xylenes <20 μg/Kg 20 <20 05/14/02 8260Ъ 2.5 113.8 114.8 115.4

<20

<20

05/14/02

05/14/02

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

<20

<20

μg/Kg

μg/Kg

20

20

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Client: Environmental Plus, Inc.
Attn: Pat McCasland Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5702BH3-20' Report#/Lab ID#: 129280
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	123	50-150	
p-Terphenyl	8015 mod.	104	50-150	
1,2-Dichloroethane-d4	8260b	87.9	65-115	***
Toluene-d8	8260b	100	50-120	

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



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#/Lab ID#: 129281

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5702BH4-5'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/07/2002 Time: 15:35

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual 7	Prec 2	Recov3	CCV ⁴	LCS4
TPH by GC (as diesel)	6.78	mg/Kg		<5	05/13/02	8015 mod.	Data Quar	2.6	98.1	105.3	96.2
TPH by GC (as diesel) TPH by GC (as diesel-ext)		Ing/Kg			05/13/02	3540		2.0		103.3	
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.	J	12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX					05/14/02	8260b			**-		
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		2.4	77.1	83.7	83
Ethylbenzene	207	μg/Kg	20	<20	05/14/02	8260b	!	1.8	106	106.3	107.1
m,p-Xylenes	667	μg/Kg	20	<20	05/14/02	8260b	 	2.5	113.8	114.8	115.4
o-Xylene	241	μg/Kg	20	<20	05/14/02	8260b	 	1.7	107.4	108.8	109.7
Toluene	153	μg/Kg	20	<20	05/14/02	8260b		0.9	87.7	93.6	95.6

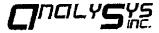
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Respectfully Submitted,

Eichard Faster

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5702BH4-5'

Report#/Lab ID#: 129281
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	108	50-150	
p-Terphenyl	8015 mod.	100	50-150	
1,2-Dichloroethane-d4	8260b	90.6	65-115	
Toluene-d8	8260b	93.3	50-120	
		1		l

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

Exceptions Report:

Report #/Lab ID#: 129281 Matrix Client: Environmental Plus, Inc. Project ID: 2002-10128 Schrab to Ly Sample Name: SES5702BH4-5'		Attn: Pat McCasland
laboratory within such a short tin samples (see sample collection as	riteria (e ne after : nd samp	except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the le receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding ting sample integrity (ex. in a bottle with no cooler).
Sample Bottles & Preservation		
☐ Sample received in appropriate	e contair	ner(s) and appear to be appropriately preserved, arr(s). State of sample preservation unknown. siner(s) and/or with unknown state of preservation.
A J flag data qualifier indicates (as requibackground levels/blanks and other pote Detection Limit. Because the reported r	ntial sou esult is l	er TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for arces of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the pelow the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been arget 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 Qua	lifiers	and QC data:
Parameter	Qualif	Comment
TPH by GC (as gasoline)	J	See J-flag discussion above.
Notes:		



OTIATITY ASSUBANCE DATA 1

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#/Lab ID#: 129282

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5702BH4-10'

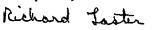
Sample Matrix: soil

REPORT OF ANALYSIS

REPORT OF ANALYSIS									QUALITY ASSURANCE DATA				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴		
TPH by GC (as diesel)	47.1	mg/Kg	5	<5	05/13/02	8015 mod.		2.6	98.1	105.3	96.2		
TPH by GC (as diesel-ext)					05/13/02	3540							
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.	J	12.9	80.8	96.5	80.6		
Volatile organics-8260b/BTEX				····	05/14/02	8260b		-:					
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		2.4	77.1	83.7	83		
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b		1.8	106	106.3	107.1		
m,p-Xylenes	<20	μg/Kg	20	<20	05/14/02	8260ь	J	2.5	113.8	114.8	115.4		
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260b		1.7	107.4	108.8	109.7		
Toluene	<20	μg/Kg	20	<20	05/14/02	8260b		0.9	87.7	93.6	95.6		

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Respectfully Submitted,



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.
Attn: Pat McCasland Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5702BH4-10' Report#/Lab ID#: 129282
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	115	50-150	
p-Terphenyl	8015 mod.	112	50-150	
1,2-Dichloroethane-d4	8260b	96.6	65-115	•••
Toluene-d8	8260b	103	50-120	

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

Exceptions Report:

Report #/Lab ID#: 129282 Matrix: soil
Client: Environmental Plus, Inc. Attn: Pat McCasland
Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5702BH4-10'

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

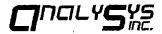
☑ Sample received in appropriate container(s) and appear to be appropriately preserved. ☐ Sample received in appropriate container(s). State of sample preservation unknown. ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under 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)	ı	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.
Notes:		



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#/Lab ID#: 129283

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH5-5'

Sample Matrix: soil

REPORT OF ANALYSIS

QUALITY	ASSTIR	ANCE	DATA1
Q U AKMA A A	TIPO O IL	<u> </u>	A

THE CALL OF THE PARTY OF THE PA											
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	23.2	mg/Kg	5	<5	05/13/02	8015 mod.		2.6	98.1	105.3	96.2
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX			445		05/14/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		2.4	77.1	83.7	83
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b	 	1.8	106	106.3	107.1
m,p-Xylenes	<20	μ g/K g	20	<20	05/14/02	8260b		2.5	113.8	114.8	115.4
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260b		1.7	107.4	108.8	109.7
Toluene	<20	μg/Kg	20	<20	05/14/02	8260b		0.9	87.7	93.6	95.6

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH5-5'

Report#/Lab ID#: 129283
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	102	50-150	
p-Terphenyl	8015 mod.	116	50-150	***
1,2-Dichloroethane-d4	8260b	95.4	65-115	
Toluene-d8	8260Ъ	100	50-120	

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



Client: Environmental Plus, Inc.

Attn: Pat McCasland
Address: 1324 M.St Po Box

Eunice

NM 88231

Phone: (505) 394-3481
REPORT OF ANALYSIS

FAX: (505) 394-2601

Report#/Lab ID#: 129284

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH5-101

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/08/2002 Time: 08:05

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	67.9	mg/Kg	5	<5	05/13/02	8015 mod.		2.6	98.1	105.3	96.2
TPH by GC (as diesel-ext)		•			05/13/02	3540					
TPH by GC (as gasoline)	5.6	mg/Kg	5	<5	05/13/02	8015 mod.		12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX					05/14/02	8260Ъ					
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		2.4	77.1	83.7	83
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b		8.1	106	106.3	107.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/14/02	8260b	J	2.5	113.8	114.8	115.4
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260b		1.7	107.4	108.8	109.7
Toluene	<20	μg/Kg`	20	<20	05/14/02	8260b		0.9	87.7	93.6	95.6

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client:

Attn:

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

Project ID: 2002-10128 Schrab to Lynch Report#/Lab ID#: 129284

Sample Name: SES5802BH5-10' Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Environmental Plus, Inc.

Pat McCasland

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	116	50-150	
p-Terphenyl	8015 mod.	115	50-150	
1,2-Dichloroethane-d4	8260b	94.8	65-115	
Toluene-d8	8260b	102	50-120	

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

Exceptions Report:

Report #/Lab ID#: 129284 Matrix: soil	
· ·	Astron. Don M. Charles 1
Client: Environmental Plus, Inc.	Attn: Pat McCasland
Project ID: 2002-10128 Schrab to Lynch	
Sample Name: SES5802BH5-10'	
G 1 00 1 10 111 1 100	

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

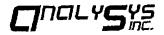
- ☑ Sample received in appropriate container(s) and appear to be appropriately preserved. ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

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:

	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Comment
m,p-Xylenes	J	See J-flag discussion above.
Votes:		



2.5

1.7

0.9

113.8

107.4

87.7

114.8

108.8

93.6

115.4

109.7

95.6

Client: Environmental Plus, Inc.

Attn: Pat McCasland Address: 1324 M.St Po Box

Eunice

NM 88231

(505) 394-3481 Phone:

FAX: (505) 394-2601

Report#/Lab ID#: 129285

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH5-15'

Sample Matrix: soil

8260b

8260b

8260b

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/08/2002 Time: 08:20

REPORT OF ANALYSIS

m,p-Xylenes

o-Xylene

Toluene

QUALITY ASSURANCE DATA¹ Prec.2 Recov.3 ROL⁵ Method 6 Parameter Result Units Blank Date Data Oual 7 CCV4 LCS4 TPH by GC (as diesel) 05/13/02 6.37 5 <5 8015 mod. mg/Kg 2.6 98.1 105.3 96.2 TPH by GC (as diesel-ext) 05/13/02 3540 ------------TPH by GC (as gasoline) <5 5 <5 05/13/02 12.9 96.5 mg/Kg 8015 mod. 80.8 80.6 ---Volatile organics-8260b/BTEX 05/14/02 8260b <20 ца/Ка 20 <20 05/14/02 8260b Benzene 2.4 77.I 83.7 83 <20 8260b Ethylbenzene μg/Kg 20 <20 05/14/02 1.8 106 106.3 107.1

<20

<20

<20

05/14/02

05/14/02

05/14/02

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Richard Laster

Richard Laster

<20

<20

<20

μg/Kg

μg/Kg

μg/Kg

20

20

20

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

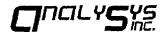
Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH5-15'

Report#/Lab ID#: 129285
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.	91	50-150	
1,2-Dichloroethane-d4	8260b	99.8	65-115	
Toluene-d8	8260b	100	50-120	

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



QUALITY ASSURANCE DATA¹

1.7

0.9

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#/Lab ID#: 129286

Report Date: 05/15/02

107.4

87.7

108.8

93.6

109.7

95.6

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH6-5'

Sample Matrix: soil

8260b

8260b

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/08/2002 Time: 08:50

REPORT OF ANALYSIS

o-Xylene

Toluene

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		2.6	98.1	105.3	96.2
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX					05/14/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		2.4	77.1	83.7	83
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b		1.8	106	106.3	107.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/14/02	8260b		2.5	113.8	114.8	115.4

05/14/02

05/14/02

<20

<20

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Respectfully Submitted, Richard Laster

<20

<20

μg/Kg

μg/Kg

20

20

Richard Laster

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Client: Environmental Plus, Inc.
Attn: Pat McCasland Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH6-5' Report#/Lab ID#: 129286
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	106	50-150	
p-Terphenyl	8015 mod.	85.5	50-150	
1,2-Dichloroethane-d4	8260b	90.1	65-115	
Toluene-d8	8260b	95.6	50-120	

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



OHALITY ASSURANCE DATA 1

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#/Lab ID#: 129287 Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH6-10'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50 **Date Sampled:** 05/08/2002 Time: 09:05

REPORT OF ANALYSIS

REPORT OF AMALISIS							QUALITI	ABBUIL	ANCED	1171	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	136	mg/Kg	5	<5	05/13/02	8015 mod.	T	2.6	98.1	105.3	96.2
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	31.4	mg/Kg	5	<5	05/13/02	8015 mod.		12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX					05/14/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b	l	2.4	77.1	83.7	83
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b	 	1.8	106	106.3	107.1
m,p-Xylenes	24.5	μg/Kg	20	<20	05/14/02	8260b		2.5	113.8	114.8	115.4
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260b	J	1.7	107.4	108.8	109.7
Toluene	<20	μg/Kg	20	<20	05/14/02	8260b	 	0.9	87.7	93.6	95.6

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Respectfully Submitted,

Richard Faster

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH6-10'

Report#/Lab ID#: 129287
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	90.9	50-150	
p-Terphenyl	8015 mod.	91.1	50-150	
1,2-Dichloroethane-d4	8260b	87	65-115	
Toluene-d8	8260ъ	97.8	50-120	

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

Exceptions Report:

Report #/Lab II	#: 129287 Matrix: soil		
Client: Environm	ental Plus, Inc.	Attn: Pat McCasland	
Project ID: 2002	-10128 Schrab to Lynch		
Sample Name:	SES5802BH6-10'		

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

 □ Sample received in appropriate container(s) and appear to be appropriately preserved.

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

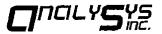
 □ Sample received in inappropriate container(s) and/or with unknown state of preservation.

J flag Discussion

A J flag data qualifier indicates (as required under 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:

J See J-flag discussion above.		
		o-Xylene
		Notes:



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#/Lab ID#: 129288

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH6-15'

Sample Matrix: soil

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

						QUALITY MODULINION DATA					
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	35.6	mg/Kg	5	<5	05/13/02	8015 mod.		2.6	98.1	105.3	96.2
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.	J	12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX					05/14/02	8260b	***				*
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		2.4	77.1	83.7	83
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b		1.8	106	106.3	107.1
m,p-Xylenes	31.1	μg/Kg	20	<20	05/14/02	8260b		2.5	113.8	114.8	115.4
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260b	J	1.7	107.4	108.8	109.7
Toluene	<20	μg/Kg	20	<20	05/14/02	8260b		0.9	87.7	93.6	95.6

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH6-15'

Report#/Lab ID#: 129288
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.	125	50-150		
1,2-Dichloroethane-d4	8260b	96.1	65-115		
Toluene-d8	8260b	98.4	50-120		

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

Exceptions Report:

Report #/Lab ID#: 129288 Matrix: soil
Client: Environmental Plus, Inc. Attn: Pat McCasland
Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH6-15'

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 I-flag discussion above.
o-Xylene	J	See J-flag discussion above.
Notes:		
. 101051		



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#/Lab ID#: 129289

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH6-20'

Sample Matrix: soil

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

							40				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		2.6	98.1	105.3	96.2
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.	!	12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX		-			05/14/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		2.4	77.1	83.7	83
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b		1.8	106	106.3	107.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/14/02	8260b	!	2.5	113.8	114.8	115.4
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260b		1.7	107.4	108.8	109.7
Toluene	<20	μg/Kg	20	<20	05/14/02	8260b		0.9	87.7	93.6	95.6

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Respectfully Submitted,

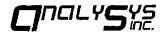
Richard Laster

Richard Laster

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Report Date: 05/15/02

Page#: 1



Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH6-20'

Report#/Lab ID#: 129289
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitroțenzene-d5	8015 mod.	117	50-150	
p-Terphenyl	8015 mod.	94.5	50-150	
1,2-Dichloroethane-d4	8260b	105	65-115	
Toluene-d8	8260b	96.8	50-120	***

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



Environmental Plus, Inc. Client:

Pat McCasland Attn: Address: 1324 M.St Po Box

Eunice

88231 NM

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

Report Date: 05/15/02 Report#/Lab ID#: 129290

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH7-5'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/08/2002 Time: 10:10

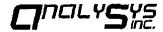
REPORT OF ANALYSIS QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		2.6	98.1	105.3	96.2
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.	 	12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX					05/14/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		2.4	77.1	83.7	83
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b		1.8	106	106.3	107.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/14/02	8260b		2.5	113.8	114.8	115.4
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260b		1.7	107.4	108.8	109.7
Toluene	<20	μg/Kg	20	<20	05/14/02	8260b		0.9	87.7	93.6	95.6

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Richard Laster

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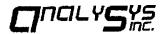


Client: Environmental Plus, Inc.
Attn: Pat McCasland Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH7-5' Report#/Lab ID#: 129290
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	116	50-150	
p-Terphenyl	8015 mod.	97.6	50-150	
1,2-Dichloroethane-d4	8260b	89.2	65-115	
Toluene-d8	8260b	95.6	50-120	

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



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#/Lab ID#: 129291

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH7-10'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/08/2002 Time: 10:25

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		2.6	98.1	105.3	96.2
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX					05/14/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/14/02	8260Ъ	#	2.4	77.1	83.7	83
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b	 	1.8	106	106.3	107.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/14/02	8260Ъ		2.5	113.8	114.8	115.4
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260b	l	1.7	107.4	108.8	109.7
Toluene	<20	μ g /Kg	20	<20	05/14/02	8260ъ		0.9	87.7	93.6	95.6

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Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH7-10'

Report#/Lab ID#: 129291
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	125	50-150	
p-Terphenyl	8015 mod.	98	50-150	
1,2-Dichloroethane-d4	8260b	94.3	65-115	
Toluene-d8	8260b	105	50-120	

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



OHATITY ASSUDANCE DATA!

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#/Lab ID#: 129292

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH8-5'

Sample Matrix: soil

REPORT OF ANALYSIS

REPURI OF ANALYSIS							QUALITI	ASSUR	ANCE DA	AIA~	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/13/02	8015 mod.	4-7	2.6	98.1	105.3	96.2
TPH by GC (as diesel-ext)					05/13/02	3540				·	
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.	 	12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX					05/14/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		2.4	77.1	83.7	83
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b		1.8	106	106.3	107.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/14/02	8260b		2.5	113.8	114.8	115.4
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260b		1.7	107.4	108.8	109.7
Toluene	<20	μg/Kg	20	<20	05/14/02	8260b		0.9	87.7	93.6	95.6

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Respectfully Submitted,

Richard Faster

Richard Laster

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Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH8-5'

Report#/Lab ID#: 129292
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	111	50-150	
p-Terphenyl	8015 mod.	89.5	50-150	
1,2-Dichloroethane-d4	8260b	100	65-115	
Toluene-d8	8260ъ	103	50-120	

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



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#/Lab ID#: 129293

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH8-10'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/08/2002 Time: 14:15

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		2.6	98.1	105.3	96.2
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX					05/14/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		2.4	77.1	83.7	83
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b		1.8	106	106.3	107.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/14/02	8260b		2.5	113.8	114.8	115.4
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260b		1.7	107.4	108.8	109.7
Toluene	<20	μg/Kg	20	<20	05/14/02	8260b		0.9	87.7	93.6	95.6

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Respectfully Submitted,

Richard Laster

Richard Laster

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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#/Lab ID#: 129294

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH8-15'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/08/2002 Time: 14:30

REPORT OF ANALYSIS

REPORT OF ANALYSIS	EPORT OF ANALYSIS QUALITY ASSURANCE DATA ¹											
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴	
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/13/02	8015 mod.		2.6	98.1	105.3	96.2	
TPH by GC (as diesel-ext)]			05/13/02	3540]]]]			
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.	Ų	12.9	80.8	96.5	80.6	
Volatile organics-8260b/BTEX					05/14/02	8260b						
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		0.4	81	88.8	90	
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260Ъ		1.3	101.1	106.9	106.1	
m,p-Xylenes	<20	μg/Kg	20	<20	05/14/02	8260b		2.1	108.1	116.2	115.5	
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260b	{ }	1.2	103.2	110.9	112	
Toluene	<20	μg/Kg	20	<20	05/14/02	8260b		0.6	94	101.6	105.1	

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Richard Laster

Richard Laster

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Report Date: 05/15/02 Page#: 1

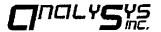


Client:	Environmental Plus, Inc.	Project ID: 2002-10128 Schrab to Lynch	Report#/Lab ID#: 129294
Attn:	Pat McCasland	Sample Name: SES5802BH8-15'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	132	50-150	
p-Terphenyl	8015 mod.	109	50-150	
1,2-Dichloroethane-d4	8260b	78.1	65-115	•••
Toluene-d8	8260b	85.5	50-120	

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



Report Date: 05/15/02

Client: Environmental Plus, Inc.

Attn: Pat McCasland Address: 1324 M.St Po Box

Eunice

NM 88231

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

QUALITY ASSURANCE DATA¹

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/08/2002 Time: 15:00

Project ID: 2002-10128 Schrab to Lynch

Report#/Lab ID#: 129295

Sample Matrix: soil

Sample Name: SES5802BH9-5'

REPORT OF ANALYSIS Prec.2 Recov.3 RQL⁵ Data Qual 7 Method 6 CCV⁴ LCS4 **Parameter** Result Units Blank Date 5 <5 05/13/02 2.6 105.3 TPH by GC (as diesel) <5 8015 mod. 98.1 96.2 mg/Kg 3540 05/13/02 TPH by GC (as diesel-ext) ------5 <5 05/13/02 8015 mod. 12.9 80.8 96.5 TPH by GC (as gasoline) <5 mg/Kg 80.6 ---05/14/02 Volatile organics-8260b/BTEX 8260b ------<20 μg/Kg 20 <20 05/14/02 8260b 0.4 81 88.8 90 Benzene --μg/Kg 20 <20 05/14/02 8260b 1.3 101.1 106.9 Ethylbenzene <20 106.1 ---J 20 05/14/02 2.1 108.1 116.2 m,p-Xylenes <20 μg/Kg <20 8260b 115.5 o-Xylene <20 μg/Kg 20 <20 05/14/02 8260b 1.2 103.2 110,9 112 20 <20 05/14/02 8260b 0.6 94 101.6 105.1 Toluene < 20 μg/Kg ---

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Richard Lister

Richard Laster

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Page#: 1

Report Date: 05/15/02

Excentions Report:

Exceptions report.			
Report #/Lab ID#: 129295 Matrix Client: Environmental Plus, Inc. Project ID: 2002-10128 Schrab to L. Sample Name: SES5802BH9-5'		Attn: Pat McCasland	
laboratory within such a short tin samples (see sample collection a temperature measurement withou	criteria (ne after nd samp	sampling that cooling measures used :	AA and a very few other tests) is <= 6°C. Possible exceptions include samples submitted to in the field and during transport had insufficient time to achieve desired temperatures in the ne temperature could not be measured due to sample submission in a manner precluding vith no cooler).
Sample Bottles & Preservation			
☐ Sample received in appropriat ☐ Sample received in inappropri	e contair	ner(s) and appear to be appropriately paner(s). State of sample preservation unainer(s) and/or with unknown state of	nknown.
J flag Discussion			
background levels/blanks and other pote Detection Limit. Because the reported in	ential soc result is	urces of sampling and analytical conta below the quantitation limit for this pr	ents) that the raw calculated analyte concentration in the sample (uncorrected for amination), though less than the Reported Quantitation Limit (RQL) is greater than the roject/sample (or test procedure), GC/MS organics results may or MAY NOT have been set J flag "hit" in such situations may be nothing more than background ion-fragment noise.)
Comments pertaining to Data Qua	alifiers	and QC data:	
Parameter	Qualif	Comment	,
m,p-Xylenes	J	See J-flag discussion above.	
Notes:	· ! -		

Environmental Plus, Inc.

Pat McCasland Attn:

Client:

Address: 1324 M.St Po Box

Eunice

NM 88231

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

Report#/Lab ID#: 129296

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH9-10'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/08/2002 Time: 15:10

REPORT OF ANALYSIS

REPORT OF ANALYSIS	EPORT OF ANALYSIS								QUALITY ASSURANCE DATA 1					
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴			
TPH by GC (as diesel)	<5 ⁻	mg/Kg	5	<5	05/13/02	8015 mod.		2.6	98.1	105.3	96.2			
TPH by GC (as diesel-ext)	}	} -			05/13/02	3540	} }							
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/13/02	8015 mod.	<u> </u>	12.9	80.8	96.5	80.6			
Volatile organics-8260b/BTEX					05/14/02	8260b								
Benzene	<20	μg/Kg	20	<20	05/14/02	8260b		0.4	81	88.8	90			
Ethylbenzene	<20	μg/Kg	20	<20	05/14/02	8260b	i)	1.3	101.1	106.9	106.1			
m,p-Xylenes	<20	μg/Kg	20	<20	05/14/02	8260b]]	2.1	108.1	116.2	115.5			
o-Xylene	<20	μg/Kg	20	<20	05/14/02	8260ь		1.2	103.2	110.9	112			
Toluene	<20	μg/Kg	20	<20	05/14/02	8260b		0.6	94	101.6	105.1			

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Richard Laster

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Report Date: 05/15/02 Page#: 1



Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH9-10'

Report#/Lab ID#: 129296
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	119	50-150	
p-Terphenyl	8015 mod.	91.3	50-150	
1,2-Dichloroethane-d4	8260b	103	65-115	
Toluene-d8	8260b	100	50-120	

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



OHALITY ASSURANCE DATA 1

Report Date: 05/15/02

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#/Lab ID#: 129297

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH9-15'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/08/2002 Time: 15:20

REPORT OF ANALYSIS

									VONDITT ASSURANCE DATA					
Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴				
<5	mg/Kg	5	<5	05/13/02	8015 mod.		2.6	98.1	105.3	96.2				
				05/13/02	3540									
<5	mg/Kg	5	<5	05/13/02	8015 mod.		12.9	80.8	96.5	80.6				
				05/15/02	8260b	ļ			,-					
<20	μg/Kg	20	<20	05/15/02	8260b	ii	0.4	81	88.8	90				
<20	μg/Kg	20	<20	05/15/02	8260b	∬	1.3	101.1	106.9	106.1				
<20	μg/Kg	20	<20	05/15/02	8260b	 	2.1	108.1	116.2	115.5				
<20	μg/Kg	20	<20	05/15/02	8260b	}}	1.2	103.2	110.9	112				
<20	μg/Kg	20	<20	05/15/02	8260b		0.6	94	101.6	105.1				
	<5 <5 <20 <20 <20 <20 <20	<pre><5 mg/Kg mg/Kg <5 mg/Kg <20</pre>	<pre> <5 mg/Kg 5</pre>	<5	<5	<5	Result Units RQL 5 Blank Date Method 6 Data Qual 7 <5	Result Units RQL 5 Blank Date Method 6 Data Qual 7 Prec. 2 <5	Result Units RQL 5 Blank Date Method 6 Data Qual 7 Prec. 2 Recov.3 <5	Result Units RQL 5 Blank Date Method 6 Data Qual 7 Prec. 2 Recov.3 CCV 4 <5				

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client:	Environmental Plus, Inc.	Project ID: 2002-10128 Schrab to Lynch	Report#/Lab ID#: 129297
Attn:	Pat McCasland	Sample Name: SES5802BH9-15'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	119	50-150	
p-Terphenyl	8015 mod.	95.8	50-150	
1,2-Dichloroethane-d4	8260b	102	65-115	
Toluene-d8	8260b	104	50-120	

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



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#/Lab ID#: 129298

Report Date: 05/15/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH10-5'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/08/2002 Time: 16:00

REPORT OF ANALYSIS

QUALITY	ASSURANCE DATA ¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	36.9	mg/Kg	5	<5	05/14/02	8015 mod.	**-	2.6	98.1	105.3	96.2
TPH by GC (as diesel-ext)					05/13/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/14/02	8015 mod.	J	12.9	80.8	96.5	80.6
Volatile organics-8260b/BTEX					05/15/02	8260b	***				
Benzene	<20	μg/Kg	20	<20	05/15/02	8260b		0.4	81	88.8	90
Ethylbenzene	<20	μg/Kg	20	<20	05/15/02	8260b		1.3	101.1	106.9	106.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/15/02	8260Ъ		2.1	108.1	116.2	115.5
o-Xylene	<20	μg/Kg	20	<20	05/15/02	8260b		1.2	103.2	110.9	112
Toluene	<20	μg/Kg	20	<20	05/15/02	8260b		0.6	94	101.6	105.1

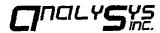
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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH10-5'

Report#/Lab ID#: 129298
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	108	50-150	
p-Terphenyl	8015 mod.	120	50-150	
1,2-Dichloroethane-d4	8260b	109	65-115	
Toluene-d8	8260b	96.9	50-120	

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

Exceptions Report:			
Report #/Lab ID#: 129298 Matrix Client: Environmental Plus, Inc. Project ID: 2002-10128 Schrab to L Sample Name: SES5802BH10-5'		Attn: Pat McCasland	
laboratory within such a short tire samples (see sample collection a	criteria (ne after nd samp	except for metals by ICP, GFAA and AA and a very few other tests) is <= 6°C. Possible exceptions include samples submittees sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding thing sample integrity (ex. in a bottle with no cooler).	l to ie
Sample Bottles & Preservation			
☐ Sample received in appropriat	e contair	ner(s) and appear to be appropriately preserved. ner(s). State of sample preservation unknown. ainer(s) and/or with unknown state of preservation.	
J flag Discussion		•	
background levels/blanks and other pote Detection Limit. Because the reported in	ential sor result is	er TNRCC-TRRP reporting requirements) that the raw calculated analyte concentration in the sample (uncorrected for curces of sampling and analytical contamination), though less than the Reported Quantitation Limit (RQL) is greater than the below the quantitation limit for this project/sample (or test procedure), GC/MS organics results may or MAY NOT have been arget ions (eg. the material causing the J flag "hit" in such situations may be nothing more than background ion-fragment nois	e.)
Comments pertaining to Data Qua			
Parameter	Qualif	Comment	7
TPH by GC (as gasoline)]	See J-flag discussion above.	
Notes:			=

QUALITY ASSURANCE DATA¹

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#/Lab ID#: 129299

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5802BH10-10'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/08/2002 Time: 16:15

REPORT OF ANALYSIS

								_			
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS4
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11	96.1	124.6	119.1
TPH by GC (as diesel-ext)					05/15/02	3540	!				
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11.4	92.1	105.5	91.7
Volatile organics-8260b/BTEX					05/15/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/15/02	8260b		0.4	81	88.8	90
Ethylbenzene	<20	μg/Kg	20	<20	05/15/02	8260b		1.3	101.1	106.9	106.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/15/02	8260b		2.1	108.1	116.2	115.5
o-Xylene	<20	μg/Kg	20	<20	05/15/02	8260b		1.2	103.2	110.9	112
Toluene	<20	μg/Kg	20	<20	05/15/02	8260b		0.6	94	101.6	105.1

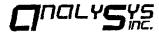
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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH10-10'

Report#/Lab ID#: 129299
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	114	50-150	
p-Terphenyl	8015 mod.	86.9	50-150	
1,2-Dichloroethane-d4	8260b	92	65-115	
Toluene-d8	8260b	100	50-120	

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

Client: Environmental Plus, Inc.

Pat McCasland Attn: Address: 1324 M.St Po Box

Eunice

NM 88231

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

Report#/Lab ID#: 129300

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch Sample Name: SES5802BH10-15'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/08/2002 Time: 16:30

REPORT OF ANALYSIS

REPORT OF ANALYSIS	PORT OF ANALYSIS										
Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	21.1	mg/Kg	5	<5	05/15/02	8015 mod.		11	96.1	124.6	119.1
TPH by GC (as diesel-ext)					05/15/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/15/02	8015 mod.	1	11.4	92.1	105.5	91.7
Volatile organics-8260b/BTEX					05/15/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/15/02	8260b		0.4	81	88.8	90
Ethylbenzene	<20	μg/Kg	20	<20	05/15/02	8260b		1.3	101.1	106.9	106.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/15/02	8260b	J	2.1	108.1	116.2	115.5
o-Xylene	<20	μg/Kg	20	<20	05/15/02	8260b	<u> </u>	1.2	103.2	110.9	112
Toluene	<20	μg/Kg	20	<20	05/15/02	8260b		0.6	94	101.6	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

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Client: Environmental Plus, Inc.
Attn: Pat McCasland Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5802BH10-15' Report#/Lab ID#: 129300
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Method Recovery Recovery Limit			
Nitrobenzene-d5	8015 mod.	103	50-150		
p-Terphenyl	8015 mod.	125	50-150		
1,2-Dichloroethane-d4	8260b	93.7	65-115		
Toluene-d8	8260ъ	89.6	50-120	ļ	

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

Exceptions Report:

Report #/Lab ID#: 129300 Matrix: soil Client: Environmental Plus, Inc.	Attn: Pat McCasland	
Project ID: 2002-10128 Schrab to Lynch	Attii. Pat McCasiaira	
Sample Name: SES5802BH10-15'		

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

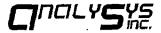
- Sample received in appropriate container(s) and appear to be appropriately preserved.
- ☐ Sample received in appropriate container(s). State of sample preservation unknown.
- ☐ Sample received in inappropriate container(s) and/or with unknown state of preservation.

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)	ı	See J-flag discussion above.	
m,p-Xylenes	J	See J-flag discussion above.	
Notes:			



Client: Environmental Plus, Inc.

Attn: Pat McCasland
Address: 1324 M.St Po Box

Eunice

REPORT OF ANALYSIS

NM 88231

Phone: (505) 394-3481

FAX: (505) 394-2601

Report#/Lab ID#: 129301

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5902BH11-5'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/09/2002 Time: 07:30

QUALITY ASSURANCE DATA¹

21011 01 11112 1020								1100011	ALICE DE		
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11	96.1	124.6	119.1
TPH by GC (as diesel-ext)					05/15/02	3540	 				
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/15/02	8015 mod.	ll	11.4	92.1	105.5	91.7
Volatile organics-8260b/BTEX					05/15/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/15/02	8260b		0.4	81	88.8	90
Ethylbenzene	<20	μg/Kg	20	<20	05/15/02	8260b	<u> </u>	1.3	101.1	106.9	106.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/15/02	8260b		2.1	108.1	116.2	115.5
o-Xylene	<20	μg/Kg	20	<20	05/15/02	8260b	<u> </u>	1.2	103.2	110.9	112
Toluene	<20	μg/Kg	20	<20	05/15/02	8260b		0.6	94	101.6	105.1

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Respectfully Submitted,

Richard Taster

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.



Client: Environmental Plus, Inc.
Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5902BH11-5'

Report#/Lab ID#: 129301
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	123	50-150	
p-Terphenyl	8015 mod.	90.6	50-150	
1,2-Dichloroethane-d4	8260b	97	65-115	
Toluene-d8	8260b	95.3	50-120	

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



OTTATION ASSETS ANOT DATE.

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#/Lab ID#: 129302

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5902BH11-10'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/09/2002 Time: 07:45

REPORT OF ANALYSIS

REPORT OF ANALYSIS	OKI OF ANALISIS										
Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11	96.1	124.6	119.1
TPH by GC (as diesel-ext)					05/15/02	3540	₩				
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/15/02	8015 mod.	<u> </u>	11.4	92.1	105.5	91.7
Volatile organics-8260b/BTEX			J=-		05/15/02	8260b					
Benzene	<20	μ g /Kg	20	<20	05/15/02	8260b		0.4	81	88.8	90
Ethylbenzene	<20	μg/Kg	20	<20	05/15/02	8260b		1.3	101.1	106.9	106.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/15/02	8260b	 	2.1	108.1	116.2	115.5
o-Xylene	<20	μg/Kg	20	<20	05/15/02	8260b	1	1.2	103.2	110.9	112
Toluene	<20	μg/Kg	20	<20	05/15/02	8260b)	0.6	94	101.6	105.1

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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.
Attn: Pat McCasland Project ID: 2002-10128 Schrab to Lynch Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	107	50-150	
p-Terphenyl	8015 mod.	83.9	50-150	***
1,2-Dichloroethane-d4	8260b	94.2	65-115	
Toluene-d8	8260b	91.7	50-120	

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



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#/Lab ID#: 129303

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5902BH11-15'
Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/09/2002 Time: 08:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

	T = 1.	7	207.5				11 - 17	1 2	D 3	00224	T 004
Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual ⁷	Prec.	Recove	CCV	LCS
TPH by GC (as diesel)	5.46	mg/Kg	5	<5	05/15/02	8015 mod.		11	96.1	124.6	119.1
TPH by GC (as diesel-ext)					05/15/02	3540]]				
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/15/02	8015 mod.	 	11.4	92.1	105.5	91.7
Volatile organics-8260b/BTEX				<u> </u>	05/15/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/15/02	8260b		0.4	81	88.8	90
Ethylbenzene	<20	μg/Kg	20	<20	05/15/02	8260b	 	1.3	101.1	106.9	106.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/15/02	8260b]	2.1	108.1	116.2	115.5
o-Xylene	<20	μg/Kg	20	<20	05/15/02	8260b	 -	1.2	103.2	110.9	112
Toluene	<20	μg/Kg	20	<20	05/15/02	8260b	[]	0.6	94	101.6	105.1

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Respectfully Submitted,

Richard Faster

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.

Report Date: 05/16/02



Client:	Environmental Plus, Inc.	Project ID: 2002-10128 Schrab to Lynch	Report#/Lab ID#: 129303
Attn:	Pat McCasland	Sample Name: SES5902BH11-15'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	124	50-150	
p-Terphenyl	8015 mod.	104	50-150	
1,2-Dichloroethane-d4	8260b	106	65-115	
Toluene-d8	8260b	103	50-120	

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



Client: Environmental Plus, Inc.

Attn: Pat McCasland
Address: 1324 M.St Po Box

Eunice

NM 88231

Phone: (505) 394-3481
REPORT OF ANALYSIS

FAX: (505) 394-2601

Report#/Lab ID#: 129304

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5902BH12-5'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/09/2002 Time: 08:45

OUALITY ASSURANCE DATA¹

AND THE STATE OF T						Volume 1 1300 of 111 of Division					
Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11	96.1	124.6	119.1
TPH by GC (as diesel-ext)				****	05/15/02	3540	[]				
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11.4	92.1	105.5	91.7
Volatile organics-8260b/BTEX			*		05/15/02	8260b		4-,-	***	5 4	
Benzene	<20	μg/Kg	20	<20	05/15/02	8260b		0.4	81	88.8	90
Ethylbenzene	<20	μg/Kg	20	<20	05/15/02	8260b	 	1.3	101.1	106.9	106.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/15/02	8260b	ll	2.1	108.1	116.2	115.5
o-Xylene	<20	μg/Kg	20	<20	05/15/02	8260b		1.2	103.2	110.9	112
Toluene	<20	μg/Kg	20	<20	05/15/02	8260b		0.6	94	101.6	105.1

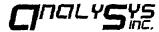
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Respectfully Submitted,

Richard Laster

Richard Laster

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Client: Environmental Plus, Inc.

Pat McCasland

Pat McCasland

Pat McCasland

Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5902BH12-5'

Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	121	50-150	
p-Terphenyl	8015 mod.	86.7	50-150	
1,2-Dichloroethane-d4	8260b	88.2	65-115	
Toluene-d8	8260b	100	50-120	

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



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#/Lab ID#: 129305

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5902BH12-10'

Sample Matrix: soil

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

ILLI ON ON THE STATE OF THE STA								CALITY ABBUNANCE DATA				
Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴	
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11	96.1	124.6	119.1	
TPH by GC (as diesel-ext)					05/15/02	3540	[[
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/15/02	8015 mod.]	11.4	92.1	105.5	91.7	
Volatile organics-8260b/BTEX					05/15/02	8260b						
Benzene	<20	μg/Kg	20	<20	05/15/02	8260b		0.4	81	88.8	90	
Ethylbenzene	<20	μg/Kg	20	<20	05/15/02	8260Ъ		1.3	101.1	106.9	106.1	
m,p-Xylenes	<20	μg/Kg	20	<20	05/15/02	8260b		2.1	108.1	116.2	115.5	
o-Xylene	<20	μg/Kg	20	<20	05/15/02	8260b		1.2	103.2	110.9	112	
Toluene	<20	μg/Kg	20	<20	05/15/02	8260b		0.6	94	101.6	105.1	

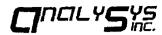
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All 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. M = Matrix interference.

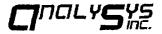


Client: Environmental Plus, Inc.
Attn: Pat McCasland Project ID: 2002-10128 Schrab to Lynch Sample Name: SES5902BH12-10' Report#/Lab ID#: 129305

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers	
Nitrobenzene-d5	8015 mod.	117	50-150		
p-Terphenyl	8015 mod.	82.9	50-150		
1,2-Dichloroethane-d4	8260b	106	65-115		
Toluene-d8	8260b	104	50-120		

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



QUALITY ASSURANCE DATA!

Report#/Lab ID#: 129306

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5902BH12-15'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/09/2002 Time: 09:20

Client: Environmental Plus, Inc. Pat McCasland Attn:

Address: 1324 M.St Po Box

Eunice

NM 88231

(505) 394-3481

FAX: (505) 394-2601

REPORT OF ANALYSIS

CONDITY ASSUMANCE DATA											
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11	96.1	124.6	119.1
TPH by GC (as diesel-ext)					05/15/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11.4	92.1	105.5	91.7
Volatile organics-8260b/BTEX					05/15/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/15/02	8260Ъ		0.4	81	88.8	90
Ethylbenzene	<20	μg/Kg	20	<20	05/15/02	8260b		1.3	101.1	106.9	106.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/15/02	8260b	J	2.1	108.1	116.2	115.5
o-Xylene	<20	μg/Kg	20	<20	05/15/02	8260b		1.2	103.2	110.9	112
Toluene	<20	μg/Kg	20	<20	05/15/02	8260b		0.6	94	101.6	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

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 soike (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.

Page#: 1 Report Date: 05/16/02

Exceptions Report:

Report #/Lab ID#: 129306 Matrix Client: Environmental Plus, Inc. Project ID: 2002-10128 Schrab to L Sample Name: SES5902BH12-15'		Attn: Pat McCasland	
laboratory within such a short tir samples (see sample collection a	criteria (ne after ind samp	sampling that cooling measures used in	A and a very few other tests) is <= 6°C. Possible exceptions include samples submitted the field and during transport had insufficient time to achieve desired temperatures in the temperature could not be measured due to sample submission in a manner precluding th no cooler).
Sample Bottles & Preservation			
Sample received in appropriat	e contai	ner(s) and appear to be appropriately proper(s). State of sample preservation unlatiner(s) and/or with unknown state of p	inown.
A J flag data qualifier indicates (as requibackground levels/blanks and other potential Detection Limit. Because the reported everified as to the presence and relative to	ential so result is ratio of t	arces of sampling and analytical contant pelow the quantitation limit for this proparget ions (eg. the material causing the	nts) that the raw calculated analyte concentration in the sample (uncorrected for nination), though less than the Reported Quantitation Limit (RQL) is greater than the ject/sample (or test procedure), GC/MS organics results may or MAY NOT have been I flag "hit" in such situations may be nothing more than background ion-fragment noise.
Comments pertaining to Data Qu			
Parameter	Qualif	Comment	
m,p-Xylenes	J	See I-flag discussion above.	
Notes:			



OTTALTEV ASSUDANCE DATA 1

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#/Lab ID#: 129307

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5902BH13-5'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/09/2002 Time: 09:35

REPORT OF ANALYSIS

						QUALITY	ASSUK.	ANCE DA	ALA.	
Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
<5	mg/Kg	5	<5	05/15/02	8015 mod.	***	11	96.1	124.6	119.1
				05/15/02	3540					
<5	mg/Kg	5	<5	05/15/02	8015 mod.		11.4	92.1	105.5	91.7
<i></i>				05/15/02	8260b					
<20	μg/Kg	20	<20	05/15/02	8260b		0.4	18	88.8	90
<20	μg/Kg	20	<20	05/15/02	8260b		1.3	101.1	106.9	106.1
<20	μg/Kg	20	<20	05/15/02	8260b		2.1	108.1	116.2	115.5
<20	μg/Kg	20	<20	05/15/02	8260b		1.2	103.2	110.9	112
<20	μg/Kg	20	<20	05/15/02	8260b		0.6	94	101.6	105.1
	<5 <5 <20 <20 <20 <20 <20	<pre><5 mg/Kg</pre>	<pre> <5 mg/Kg 5</pre>	<5	<5 mg/Kg 5 <5 05/15/02 05/15/02 <5	<5	Result Units RQL Blank Date Method Data Qual 7	Result Units RQL Blank Date Method Data Qual Prec.	Result Units RQL Blank Date Method Data Qual Prec. Recov.	<5

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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.

Page#: 1 Report Date: 05/16/02



Client: Environmental Plus, Inc.

Attn: Pat McCasland

Project ID: 2002-10128 Schrab to Lynch
Sample Name: SES5902BH13-5'

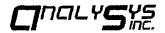
Report#/Lab ID#: 129307
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	110	50-150	
p-Terphenyl	8015 mod.	89.2	50-150	
1,2-Dichloroethane-d4	8260b	109	65-115	
Toluene-d8	8260b	93.8	50-120	

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

Page#: 2 Report Date: 05/16/02



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#/Lab ID#: 129308

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch Sample Name: SES5902BH13-10'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50 Date Sampled: 05/09/2002 Time: 09:45

OUALITY ASSURANCE DATA¹

REPORT OF ANALYSIS

REPORT OF ANALISIS	OUTUILL ADDOLMITCH DITTE										
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual 7	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11	96.1	124.6	119.1
TPH by GC (as diesel-ext)					05/15/02	3540					
TPH by GC (as gasoline)	·<5	mg/Kg	5	<5	05/15/02	8015 mod.		11.4	92.1	105.5	91.7
Volatile organics-8260b/BTEX					05/15/02	8260b					
Benzene	<20	μg/Kg	20	<20	05/15/02	8260b		0.4	81	88.8	90
Ethylbenzene	<20	μg/Kg	20	<20	05/15/02	8260Ъ		1.3	101.1	106.9	106.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/15/02	8260b		2.1	108.1	116.2	115.5
o-Xylene	<20	μg/Kg	20	<20	05/15/02	8260b	 	1.2	103.2	110.9	112
Toluene	<20	μg/Kg	20	<20	05/15/02	8260b		0.6	94	101.6	105.1

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Richard Laster

Richard Laster

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Page#: 1 Report Date: 05/16/02



Client: Environmental Plus, Inc.

Attn: Pat McCasland Project ID: 2002-10128 Schrab to Lynch Sample Name: SES5902BH13-10'

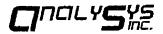
Report#/Lab ID#: 129308
Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
Nitrobenzene-d5	8015 mod.	95.7	50-150	
p-Terphenyl	8015 mod.	88	50-150	
1,2-Dichloroethane-d4	8260b	95.6	65-115	W W
Toluene-d8	8260b	97.7	50-120	

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

Page#: 2 Report Date: 05/16/02



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#/Lab ID#: 129309

Report Date: 05/16/02

Project ID: 2002-10128 Schrab to Lynch

Sample Name: SES5902BH13-15'

Sample Matrix: soil

Date Received: 05/10/2002 Time: 10:50
Date Sampled: 05/09/2002 Time: 10:00

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual ⁷	Prec.2	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11	96.1	124.6	119.1
TPH by GC (as diesel-ext)					05/15/02	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	05/15/02	8015 mod.		11.4	92.1	105.5	91.7
Volatile organics-8260b/BTEX					05/15/02	8260b	***				
Benzene	<20	μg/Kg	20	<20	05/15/02	8260b		0.4	81	88.8	90
Ethylbenzene	<20	μg/Kg	20	<20	05/15/02	8260b		1.3	101.1	106.9	106.1
m,p-Xylenes	<20	μg/Kg	20	<20	05/15/02	8260b		2.1	108.1	116.2	115.5
o-Xylene	<20	μg/Kg	20	<20	05/15/02	8260b		1.2	103.2	110.9	112
Toluene	<20	μg/Kg	20	<20	05/15/02	8260b		0.6	94	101.6	105.1

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Respectfully Submitted,

Eichard 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.

Page#: 1 Report Date: 05/16/02



Client: Environmental Plus, Inc.
Attn: Pat McCasland Project ID: 2002-10128 Schrab to Lynch Sample Name: SES5902BH13-15' Report#/Lab ID#: 129309 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.	90.5	50-150	
1,2-Dichloroethane-d4	8260b	106	65-115	
Toluene-d8	8260b	97.3	50-120	

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

Page#: 2 Report Date: 05/16/02

Send Reports To:			Bill t	:0 (it	different):									_		
Company Name Environt	nontal	Plus	Com	pany	Name	TOH EN	ng				422	21 Fre			ne, Suite 190, Austin, TX 78 e: (512) 444-5896	§744
Address 2100 HVE 0	•		Addı	ess_	5805	E HWY	30	2					•		: (512) 447-4766	
City Eunice State Mil	Zip 8	7231	City	m	dand	State/	Y 2	ip_	797	701						
ATTN: Pat McCA3 LA			-	•		HERMAN		_			/		A	nal	yses Requested (1)	
Phone 394-3481 Fax		1001										Ple			xplanatory information as requ	ired
Rush Status (must be confirm Project Name/PO#: 2002	ned with	lab mgr. Samp):			• • •			430	240						
Client Sample No. Care Description/Identification	Date	Time	No. of Containers	Soli	Water Waste	Lab I.D. # (Lab only)				_	_	_	_	_	Comments	
SES530ABH1-5	5-3-00	D.39	}	Х		129265	X	X								
5E55302 BHI-10'	5-3-00	ia:54		Х		129266	X	χ [']								
SES5302BHI-15	5-3.02	2:05	ł	X		129267	X	X								
58.55302 BH1 - 20'	5-3-02	2:45	1	X		129268	X	X								
SES5302BHI-25"	5.3.02	3:10	1	X		129269	X	X								
SES5302 BHI-30'	5-3-02	3:45	1	ĽX.		129270	X	X								
5855302 BH1-35"	5-3.02	4-20	1	X		129271	X	X								
SE55302BHI-40'	5.3.00	4:53	1	X		129272	X	X	<u> </u>					_		_
										·						

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

_	Sample Relinqu	ished By			Sample Received	Ву	
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
1323.	EPI	5-3-02		melanios	tumphry ASI	5/10/02	1050
		-			<i>=</i>		

Send Reports To: Company Name <u>Favironi</u> Address <u>3100 But 0</u> City <u>Eumice</u> State <u>Min</u> ATTN: <u>Pat Me Cas la</u> Phone <u>394-3781</u> Fax	1Zip <u>8</u>	7231	Com Addr City ATT	pany ess _ _ <i>M</i> / N: _	Nam 580 d la r	of_	oH Enc E HWY State T Heanance	1 Z	ip _	797	<u></u>	4221		Pho F	one: (sax: (s	512) 444 12) 447- es Req	-5896 4766 ——— uested	TX 78744
Rush Status (must be confirm Project Name/PO#:	10128 10128 126 +	lab mgr.) Samp > Lune): ler: <i>B_m</i>						/aki	4013	10							
Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab LD. # (Lab only)						/				Comme	nts
SF567028H2-5	5-7-03	9:15	1	X			129273	Х	X									
SES6702BHZ-10'	5-7-02	9:45	. 1	X			129274	X	X									
SES5702BH2-15"	5.2-02	10:15		X			129275	X	X									
SE.S 57028H2-20	5-7-02	10:40	1	X			129276	χ	X									
SES57028H3-5	5-7-02	11:40	1	X			129277	X	X									,
SES5202BH3-10'	1	12:25		Х			129278	×	X									
SES 5702 RH3-15"	5:11-02	12:40	1	X			129279	X	X							. 		
SES5702BH3-20'		2:35	1	X			129280	X	χ									
SESS702BH4-5'		3:35	1	Х			129281	X	X									
SES5702BH4-10'	5-7-02		- t	Х			129282	义	X									

MINGLYCYS

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	Sample Relinquished	d By			Sample Received	Ву	
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bertle BO:	Fall madred to 1 8/05	5.7-02	4.15	melanie.	Jumphres A51	5/10/02	1050
7							

CHAIN-OF-CUSTOD	Y												П	aly c y5
Send Reports To: Company Name <u>Environt</u> Address <u>2100 But 0</u> City <u>Eunice</u> State <u>not</u>			Com Addı	pany ess_	5805): EoH Ene E Hwy State_	3	<i>U</i>	797		4221 F	reidric	h Lan Phon	ne, Suite 190, Austin, TX 78744 e: (512) 444-5896 : (512) 447-4766
ATTN: Pat McCA3 la	nd 2011 2	<i>(</i> -				HERMAN	التنت			/		A	nal	yses Requested (1)
Phone <u>394-3481</u> Fax				re		Fax				+	 ;	rease at	Tusch e	xplanatory information as required
Rush Status (must be confirm Project Name/PO#: Joon - Schrab	10128	Samp):	lleges	Ble	,		/	3013	109/	//	//	//	
Client Sample No. Description/Identification	Daté Sampled	Time Sampled	No. of Containers	Sali	Water Wast	Lab I.D. # (Lab only)		130		//	//	//	/	Comments
5ES5802BH5-5"	5-8-02	7:51		<u>x</u> .		129283	χ	Х						
SES5802BH5-10'	5.8-06	8.05		Χ		129284	Х	Χ						
SES5802BH5-15	5-8-02	8:20	1	X		129285	X	X						
SESS 8028HG- 25'	5-8-02	8:50	1	X		129286	×	X						
SES5802BHG-10	5-8-02	9:05	1	X		129287	X	χ						
SES5802BHG-15'	5-8.00	9120	1	X		129288	X	Х						
SES5808BH6-20'	5-8.02	9:35	i	χ		129289	X	×						
58558028H7-5'	5-8-02	10:10	1	Х		129290	X	X			i			
SES5802BH7-10'	5-8-00	10:25	1	Х		129291	X	X						
585580aBH8-5	5-8-62	2:50	1	X		129292	X	Χ						

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	Sample Relinqui	shed By		,	Sample Received	Ву	
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
BR	571	5-8-02		molome	Humstruce ASI	5/10/02	1050
				1	(,	

Ina	LY		15
		ا السر	NC.

Address 2100 BVE 0 City Evnice State MM ATTN: Pst Me Cas la Phone 394-3481 Fax Rush Status (must be confirm Project Name/PO#: 2002-	ny Name <u>Environmental Plus</u> s <u>2100 Ane O</u> State <u>nm</u> Zip <u>88231</u> Pod Me Cas land 394-3481 Fax 394 2601 Status (must be confirmed with lab mgr.): Name/PO#: <u>2002-1012</u> Sample Schare to Lynne				Nam 580 d la p I Rai	os not n K	EHWY State Hennen Fax	Hwy 80 State TX Zip 79701 Rnanckez Fax											rich La Phor Fa	ne: (512) x: (512) yses) 444-589 447-4766 Reque		_
Client Sample No. 175	Date	Time	No. of	Soil	Water	Waste	Lab I.D. # (Lab only)			20					//	Con	aments						
5E55802BH8-10'	5-3-00	2:15	1	X			129293	久	X		š,												
SES5802BH8-15'	5-8-02	à:30		X.			129294	χ	X														
SES5802BH9-5"	5-8-07	3:50	l	X			129295	х	X														
SE.5.5802.8H9-10'	5-8-02	3:10	}	X			129296	X	X						·								
SE55402BH9-15'	5-8-07	3:20	1	X			129297	χ	X														
SFS 4802 BH10-15	5-8-02	4:00	1	久			129298	X	×														
SE.55802BH10-10'	5802	4:15	1	Х			129299	×	X.														
SES5802BH10-15	5-8-07.	4:30	(*			129300	X	X														
					<u> </u>							\top	1				· ·						

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	Sample Relinqu	ished By		,	Sample Received	Ву	
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
BB	861	5-8-02		melanies	timohren AS	5/10/07	1050
				/			

Send Reports To: Company Name <u>Favironia</u> Address <u>3100 But 0</u> City <u>Eunice</u> State MR ATTN: <u>Pst McCas la</u> Phone <u>394-3481</u> Fax Rush Status (must be confirm Project Name/PO#: <u>2002-</u>	1Zip <u>88</u> 1204 1394 20 1ed with	23/ 60/ lab mgr.	Com Addi City ATT Phor	pany ress N: ne	580 d lan I Rai	e _ } vol_ vo K	E HWY	1 2 Z	ip_	19)	70)	_	A	Phon Fax	e: (512) 4 : (512) 44 yses Re	90, Austin, 44-5896	i (1)
Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soll	Water	Waste	Lab LD. # (Lab only)					//	//	_		Comme	nts
SES 5902 BH 11-5'	5-9-02	7130	i	×			129301	Х	X								
SES 5902 BH 11-10'	5-9-02	7:45	1	_X.			129302	×	X								
SES 5902BH 11-15'	5-9-00	8:00	1	X			129303	×	X								
SES5902BHIZ-5'	5-9-03	8:45		×			129304	*	×								
SE55903BH/2-10	5-9-02	9:00	1	Х			129305	X	X								
SES5902BHIZ-15'	5-9-02	9:20	j	X			129306	X	Ά								
SES 5902BH 13-5'	3.9.02	9:35	į.	X			129367	X	Χ								
SES5902BH13-10'	5-9-02	9:45		X			129308	X	X								
5E55902BH13-15'	5-9-03		1	X			129309	×	Х								

mnaly**c**ys

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

	Sample Relinquishe	d By			Sample Received	Ву	
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bodle Bl-	ENVIORMENTAL PLUS	5.9.02	10:36	Melaniel	imphrey ASI	5/10/02	1050

Analytical Report

Prepared for:

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

Project: Scharb to Vacuum 4"
Project Number: 2002-10128
Location: None Given

Lab Order Number: 7F01011

Report Date: 06/07/07

Project: Scharb to Vacuum 4"

Project Number: 2002-10128
Project Manager: Camille Reynolds

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1 (Sec. 1)	7F01011-01	Soil	06/01/07 10:50	06-01-2007 14:17
SP-2 (Sec. 2)	7F01011-02	Soil	06/01/07 10:55	06-01-2007 14:17
BH-1	7F01011-03	Soil	06/01/07 09:50	06-01-2007 14:17
ВН-2	7F01011-04	Soil	06/01/07 09:55	06-01-2007 14:17
ВН-3	7F01011-05	Soil	06/01/07 10:10	06-01-2007 14:17
BH-4	7F01011-06	Soil	06/01/07 10:35	06-01-2007 14:17
BH-5	7F01011-07	Soil	06/01/07 10:40	06-01-2007 14:17
ВН-6	7F01011-08	Soil	06/01/07 10.43	06-01-2007 14:17
WW-1	7F01011-09	Soil	06/01/07 09:35	06-01-2007 14:17
WW-2	7F01011-10	Soil	06/01/07 09:40	06-01-2007 14:17
SW-1	7F01011-11	Soil	06/01/07 09:53	06-01-2007 14:17
SW-2	7F01011-12	Soil	06/01/07 10:30	06-01-2007 14:17
SW-3	7F01011-13	Soil	06/01/07 10:25	06-01-2007 14:17
NW-1	7F01011-14	Soil	06/01/07 09:45	06-01-2007 14:17
NW-2	7F01011-15	Soil	06/01/07 10:00	06-01-2007 14:17
NW-3	7F01011-16	Soil	06/01/07 10:05	06-01-2007 14:17
EW-1	7F01011-17	Soil	06/01/07 10:15	06-01-2007 14:17
EW-2	7F01011-18	Soil	06/01/07 10:20	06-01-2007 14:17

Fax: (432) 687-4914

Project: Scharb to Vacuum 4"

Project Number: 2002-10128
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC

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	.	Reporting	17.						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SP-1 (Sec. 1) (7F01011-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.0250	**	"		"	"	**	
Ethylbenzene	ND	0.0250	"	"	u	*	n	"	
Xylene (p/m)	ND	0.0250	"	n	и	n	и	"	
Xylene (o)	ND	0.0250	"	"	"	11	n	**	
Surrogate: a,a,a-Trifluorotoluene		113 %	75-1	25	"	"	"	"	
Surrogate · 4-Bromofluorobenzene		108 %	75-1	25	"	"	"	"	
Carbon Ranges C6-C12	16.4	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	706	10.0	"	"	"	"	и	**	
Carbon Ranges C28-C35	171	10.0	"	*	11	**	u	**	
Total Hydrocarbons	893	10.0	u	"	11	Ħ	n	**	
Surrogate: 1-Chlorooctane		107 %	70-1	30	,	"	"	"	
Surrogate: 1-Chlorooctadecane		119 %	70-1	30	"	"	"	"	
SP-2 (Sec. 2) (7F01011-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.0250	"	**	**	"	u	••	
Ethylbenzene	ND	0.0250	**	•	"	и	11	**	
Xylene (p/m)	ND	0.0250	**	"	**	и	"	11	
Xylene (o)	ND	0.0250	**	н	#	н	"		
Surrogate: a,a,a-Trifluorotoluene		91.8 %	75-1	25	"	- "	"	n	
Surrogate: 4-Bromofluorobenzene		82.6 %	75-1	25	"	"	"	n	
Carbon Ranges C6-C12	19.9	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	654	10.0	n	n	**	"	**	"	
Carbon Ranges C28-C35	160	10.0	**	**	"	"	**	"	
Total Hydrocarbons	835	10.0	**	**	"	н	n	11	
Surrogate 1-Chlorooctane		124 %	70-1	30	n	n	"	"	
Surrogate: 1-Chlorooctadecane		141 %	70-1	30	n	"	"	"	S-0
BH-1 (7F01011-03) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	······································
Toluene	ND	0.00200	•	"	**	**	Ħ	11	
Ethylbenzene	ND	0.00200	**	**	н	н	n	77	
Xylene (p/m)	ND	0.00200	**	**	н	**	и	u	
Xylene (o)	ND	0.00200	**	*11	n		"	**	
Surrogate: a,a,a-Trifluorotoluene		73.0 %	75-1	25	"	"	"	"	S-0
Surrogate 4-Bromofluorobenzene		73.4 %	75-1.	25	"	"	"	"	S-0
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	- •

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Project: Scharb to Vacuum 4"

Project Number: 2002-10128
Project Manager: Camille Reynolds

Organics by GC

Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-1 (7F01011-03) Soil		,							
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	*	"	"	"	n	**	
Total Hydrocarbons	ND	10.0	11	**	**	n	II		
Surrogate. 1-Chlorooctane		121 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		124 %	70-1	30	"	"	n	n	
BH-2 (7F01011-04) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	u	"	11	**	н	*	
Ethylbenzene	ND	0.00200	ч	**	16	n	n	**	
Xylene (p/m)	ND	0.00200	**	u	н	"	11	H.	
Xylene (o)	ND	0.00200	н	н	u	**	"	w	
Surrogate: a,a,a-Trifluorotoluene		76.4 %	75-1	25	"	"	,,	"	
Surrogate: 4-Bromofluorobenzene		71.8 %	75-1	25	n	"	"	"	S-0
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	н	**	**	n	,,	н	
Carbon Ranges C28-C35	ND	10.0	н	"	"	**	**	**	
Total Hydrocarbons	ND	10.0	**		"	**	u	••	
Surrogate. 1-Chlorooctane		127 %	70-1	30	"	"	n	н	
Surrogate: 1-Chlorooctadecane		126 %	70-1	30	"	"	"	"	
BH-3 (7F01011-05) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	Ħ	u	n	**	н	н	
Ethylbenzene	ND	0.00200	n	11	н	**	"	u	
Xylene (p/m)	ND	0.00200	**		**	**		**	
Xylene (o)	ND	0.00200	н		•		"	**	
Surrogate a,a,a-Trifluorotoluene		78.2 %	75-1.	25	n	,,	"	n	
Surrogate: 4-Bromofluorobenzene		73.8 %	75-1.	25	"	n	"	"	S-0-
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	**	**	**	n	**	н	
Carbon Ranges C28-C35	ND	10.0	**	**	**	•	**		
Total Hydrocarbons	ND	10.0	**	n	"	**	u	n	
Surrogate. 1-Chlorooctane		115 %	70-1.	30	"	"	"	"	
Surrogate 1-Chlorooctadecane		115 %	70-1.		,,	"	,,	"	

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Project: Scharb to Vacuum 4"

Project Number: 2002-10128
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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	n 4	Reporting	T.I.			_			
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-4 (7F01011-06) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	H	"	"	"	**	47	
Ethylbenzene	ND	0.00200	**	"	**	11	"	Ħ	
Xylene (p/m)	ND	0.00200	Ħ	H	н	"	"	11	
Xylene (o)	ND	0.00200	u	H	н	"	н	Ħ	
Surrogate. a,a,a-Trifluorotoluene		73.8 %	75-12	5	"	"	"	#	S-04
Surrogate. 4-Bromofluorobenzene		73.0 %	75-12	5	"	"	"	n	S-04
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	и	"	**	u	#	**	
Carbon Ranges C28-C35	ND	10.0	**	"	**	n	"	"	
Total Hydrocarbons	ND	10.0	**	"	**		"	IP	
Surrogate: 1-Chlorooctane		97.2 %	70-13	0	"	"	n	"	
Surrogate: 1-Chlorooctadecane		89.0 %	70-13	0	#	"	"	n	
BH-5 (7F01011-07) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	"	**	**	н	•	n	
Ethylbenzene	ND	0.00200	"	"	n.	11	n	н	
Xylene (p/m)	ND	0.00200	"	**	**	n	"	"	
Xylene (o)	ND	0.00200	**	**	"	*	11	11	
Surrogate: a,a,a-Trifluorotoluene		79.6 %	75-12	?5	n	"	н	"	
Surrogate: 4-Bromofluorobenzene		75.0 %	75-12	?5	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	**	11	и	**	**	u	
Carbon Ranges C28-C35	ND	10.0	"	11	"	•	"	п	
Total Hydrocarbons	ND	10.0	"	"	"	*	"	n	
Surrogate: 1-Chlorooctane		125 %	70-13	80	,,	"	, ,	"	
Surrogate: 1-Chlorooctadecane		118 %	70-13	80	"	"	"	n	
BH-6 (7F01011-08) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	· · · · · · · · · · · · · · · · · · ·
Toluene	ND	0.00200	**	**	**	•	**		
Ethylbenzene	ND	0.00200	**	"	"	"	**	**	
Xylene (p/m)	ND	0.00200	**	**	**	•	**	**	
Xylene (o)	ND	0 00200	**	**	"	"	*	**	
Surrogate: a,a,a-Trifluorotoluene		77.2 %	75-12	?5	,,	"	"	"	
Surrogate: 4-Bromofluorobenzene		718%	75-12		"	n	n .	n .	S-04
Carbon Ranges C6-C12	ND		mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	_ 0

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Project: Scharb to Vacuum 4"

Project Number: 2002-10128
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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		ERVITOR	mentai La	0 01 10					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
BH-6 (7F01011-08) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	**	**	н	"	17	
Total Hydrocarbons	ND	10.0	n	*	**	**	"	17	
Surrogate: 1-Chlorooctane		115 %	70-13	0	"	"	*	"	
Surrogate: 1-Chlorooctadecane		110 %	70-13	0	"	"	"	"	
WW-1 (7F01011-09) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	"	н	"	**	"	#	
Ethylbenzene	ND	0.00200	н	H	*	"	"	#	
Xylene (p/m)	ND	0.00200	"	" ,	, 4	и	"	**	
Xylene (o)	ND	0.00200		•	•	"	**	**	
Surrogate: a,a,a-Trifluorotoluene		75.2 %	75-12	5	,	,,	"	"	
Surrogate: 4-Bromofluorobenzene		70.0 %	75-12	5	n	"	"	"	S-0
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	н	"	**	n	·	и	
Carbon Ranges C28-C35	ND	10.0	**	"	**	**	"	н	
Total Hydrocarbons	ND	10.0	**	**	"	n	,,	n	
Surrogate. 1-Chlorooctane		96.6 %	70-13	0	,,	"	"	n	
Surrogate 1-Chlorooctadecane		94.0 %	70-13	0	n	n	"	"	
WW-2 (7F01011-10) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	11	**	н	и	н	**	
Ethylbenzene	ND	0.00200	"	**	"	11	#	u	
Xylene (p/m)	ND	0.00200	н	**	н	**	*	н	
Xylene (o)	ND	0.00200	n	**	"	*	"	u	
Surrogate: a,a,a-Trifluorotoluene		100 %	75-12.	5	"	,,	"	,,	
Surrogate. 4-Bromofluorobenzene		98.4 %	75-12.	5	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	**	**	tt.	**	н	**	
Carbon Ranges C28-C35	ND	10.0	**	"	"	**	**	*	
Total Hydrocarbons	ND	10.0	"	"	•		**	"	
Surrogate: 1-Chlorooctane		95.2 %	70-13	0	"	"	"	n	
Surrogate: 1-Chlorooctadecane		90.8 %	70-13	0	"	,,	,,	"	

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Project: Scharb to Vacuum 4"

Project Number: 2002-10128
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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	No
SW-1 (7F01011-11) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	**	"	**	*	**	"	
Ethylbenzene	ND	0.00200	n .	н	"	*	yr.	и	
Xylene (p/m)	ND	0.00200	"	"		"	rr ·	**	
Xylene (o)	ND	0.00200	**	n	u	**	"	**	
Surrogate: a,a,a-Trifluorotoluene		97.4 %	75-12	5	н	"	"	n	
Surrogate: 4-Bromofluorobenzene		91.0 %	75-12	5	n	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	11	н	"	"	н	**	
Carbon Ranges C28-C35	ND	10.0	н	11	**	•	**	**	
Total Hydrocarbons	ND	10.0	u	**	#	н	"	**	
Surrogate: 1-Chlorooctane		127 %	70-13	0	"	,,	"	"	
Surrogate: 1-Chlorooctadecane		119 %	70-13	0	"	"	"	"	
SW-2 (7F01011-12) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	"	11	n n	u	**	11	
Ethylbenzene	ND	0.00200	"	lt .	п	*	н	**	
Xylene (p/m)	ND	0.00200	н	n	"	n	"	·	
Xylene (o)	ND	0.00200	15	**	Ħ	11	н	"	
Surrogate a,a,a-Trifluorotoluene		97.4 %	75-12	5	"	"	"	u .	
Surrogate: 4-Bromofluorobenzene		93.0 %	75-12	5	,,	"	n	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	•		11	**	"	
Carbon Ranges C28-C35	ND	10.0	"	**	**	н	**	"	
Total Hydrocarbons	ND	10.0	"	**	17	"	u	"	
Surrogate 1-Chlorooctane		111 %	70-13	0	,,	"	"	n	
Surrogate: 1-Chlorooctadecane		100 %	70-13	0	"	"	n	"	
SW-3 (7F01011-13) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	**	"	**	н	n	Ħ	
Ethylbenzene	ND	0.00200	**	n	п		11	**	
Xylene (p/m)	ND	0.00200	11	11	п	н	**	**	
Xylene (o)	ND	0.00200	**	"	н	н	"	41	
Surrogate: a,a,a-Trifluorotoluene		97.4 %	75-12	5	"	#	,,	"	
Surrogate: 4-Bromofluorobenzene		95.0 %	75-12	5	"	"	n	n	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
			-						

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Project. Scharb to Vacuum 4"

Project Number. 2002-10128 Project Manager: Camille Reynolds Fax: (432) 687-4914

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Analia	D 16	Reporting	FT - 14 -						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
SW-3 (7F01011-13) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	H	**	**	**		n	
Total Hydrocarbons	ND	10.0	"	"	**	u	н	**	
Surrogate: 1-Chlorooctane		104 %	70-1	30	"	"	n	п	
Surrogate: 1-Chlorooctadecane		93.8 %	70-1	30	"	"	n	"	
NW-1 (7F01011-14) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	**	"	"	,,	*	и	
Ethylbenzene	ND	0.00200	n	"	**	11	"	11	
Xylene (p/m)	ND	0.00200	ıı	"	n	**	*	15	
Xylene (o)	ND	0.00200	"	**	"	н		**	
Surrogate: a,a,a-Trifluorotoluene		85.2 %	75-1	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		77.0 %	75-1	25	n	"	"	Ħ	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	**	"	**	"	11	u	
Carbon Ranges C28-C35	ND	10.0	H	**	"	"	**	п	
Total Hydrocarbons	ND	10.0	**	"	"	"	и	"	
Surrogate. 1-Chlorooctane		96.2 %	70-1	30	,,	n n	"	"	
Surrogate. 1-Chlorooctadecane		89.0 %	70-1	30	"	"	"	"	
NW-2 (7F01011-15) Soil									
Benzene ·	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	n	"	11	11	11	**	
Ethylbenzene	ND	0.00200	**	"	**	н	n	"	
Xylene (p/m)	ND	0.00200	H	**	**	н	**	**	
Xylene (o)	ND	0.00200	**	"	"	**	"	"	
Surrogate a,a,a-Trifluorotoluene		93.0 %	75-1	25	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		896%	75-1	25	"	"	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	"	"	"	"	**	**	
Carbon Ranges C28-C35	ND	10.0	**	**	**	u	,,	**	
Total Hydrocarbons	ND	10.0	u	"	u	**	u	n	
Surrogate: 1-Chlorooctane		99.0 %	70-1	30	n	"	"	<i>n</i>	
Surrogate: 1-Chlorooctadecane		91.0 %	70-1		"	,,	n	,	

Project: Scharb to Vacuum 4"

Project Number: 2002-10128 Project Manager: Camille Reynolds Fax: (432) 687-4914

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Analysis	Result	Reporting Limit	Units	D.1 .	D-()	D 1	A ?	M.d. 1	37 .
Analyte	Resuit	Linnt	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
NW-3 (7F01011-16) Soil								<u>.</u>	
Benzene	ND	0.00200	mg/kg dry	2	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	Ħ	"	*	11	11	"	
Ethylbenzene	ND	0.00200	*	"	*	11	**	и	
Xylene (p/m)	ND	0.00200	**	"	*	н	u	**	
Xylene (o)	ND	0.00200	t1		"			н	
Surrogate · a,a,a-Trifluorotoluene		96.8 %	75-12	?5	**	H	n	"	
Surrogate: 4-Bromofluorobenzene		89.6 %	75-12	?5	"	*	n	n	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	н	"		n	"	**	
Carbon Ranges C28-C35	ND	10.0	n	n	"	rt	**	"	
Total Hydrocarbons	ND	10 0	0	"	и	17	н	"	
Surrogate: 1-Chlorooctane		120 %	70-13	30	"	"	71	n	
Surrogate. 1-Chlorooctadecane		113 %	70-13	30	"	"	"	n	
EW-1 (7F01011-17) Soil									
Benzene	ND	0.00200	mg/kg dry	2 .	EF70410	06/04/07	06/05/07	EPA 8021B	
Toluene	ND	0.00200	*	н	*	**	**	**	
Ethylbenzene	ND	0.00200		н	**	н	"	*	
Xylene (p/m)	ND	0.00200	"	11	**	n	**	ч	
Xylene (o)	ND	0.00200	**	11	**	n	**	•	
Surrogate: a,a,a-Trifluorotoluene		88.4 %	75-12	25	"	"	"	"	
Surrogate. 4-Bromofluorobenzene		81.8 %	75-12	25	"	,,	"	"	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C12-C28	ND	10.0	11	11	11	п	n	**	
Carbon Ranges C28-C35	ND	10.0	u ·	n	Ħ	n	11	**	
Total Hydrocarbons	ND	10.0	**	*1	11	n	**	**	
Surrogate. 1-Chlorooctane		102 %	70-13	30	"	"	n	"	
Surrogate. 1-Chlorooctadecane		103 %	70-13	30	"	"	"	"	
EW-2 (7F01011-18) Soil									
Benzene	ND	0.00200	mg/kg dry	2	EF70511	06/05/07	06/06/07	EPA 8021B	
Toluene	ND	0.00200	п	"	**	n	"	•	
Ethylbenzene	ND	0.00200	н	"	**	"	**	**	
Xylene (p/m)	ND	0.00200	"	**	n	n	u	**	
Xylene (o)	ND	0.00200	n	"	**	**	н	•	
Surrogate: a,a,a-Trifluorotoluene		94.4 %	75-12	?5	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.4 %	75-12	?5	"	"	"	,,	
Carbon Ranges C6-C12	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	

Environmental Lab of Texas

A Xenco Laboratories Company

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

Project: Scharb to Vacuum 4"

Project Number: 2002-10128
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
EW-2 (7F01011-18) Soil									
Carbon Ranges C12-C28	ND	10.0	mg/kg dry	1	EF70515	06/05/07	06/05/07	EPA 8015M	
Carbon Ranges C28-C35	ND	10.0	"	"	"	"	**	"	
Total Hydrocarbons	ND	10.0	"	n	"	Ħ	11	"	
Surrogate: 1-Chlorooctane		114 %	70-1.	30	"	"	n	"	
Surrogate: 1-Chlorooctadecane		109 %	70-1.	30	"	"	"	"	

Project: Scharb to Vacuum 4"

Project Number: 2002-10128
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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

	Docult	Reporting	I Imita						
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1 (Sec. 1) (7F01011-01) Soil							····	 	· · · · · · · · · · · · · · · · · · ·
% Moisture	8.5	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
SP-2 (Sec. 2) (7F01011-02) Soil									
% Moisture	10.9	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
BH-1 (7F01011-03) Soil									
% Moisture	11.7	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
BH-2 (7F01011-04) Soil									
% Moisture	10.2	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
BH-3 (7F01011-05) Soil									
% Moisture	9.1	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
BH-4 (7F01011-06) Soil									
% Moisture	13.9	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
BH-5 (7F01011-07) Soil									
% Moisture	8.6	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
BH-6 (7F01011-08) Soil									
% Moisture	12.9	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	· · · · · · · · · · · · · · · · · · ·
WW-1 (7F01011-09) Soil									
% Moisture	5.8	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	· · · · · · · · · · · · · · · · · · ·
WW-2 (7F01011-10) Soil									
% Moisture	6.5	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
SW-1 (7F01011-11) Soil									
% Moisture	8.5	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	

- 47 Gr

Plains All American EH & S 1301 S. County Road 1150

Midland TX, 79706-4476

Project: Scharb to Vacuum 4"

Project Number: 2002-10128
Project Manager: Camille Reynolds

Fax: (432) 687-4914

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

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SW-2 (7F01011-12) Soil									
% Moisture	4.8	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
SW-3 (7F01011-13) Soil									
% Moisture	4.7	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
NW-1 (7F01011-14) Soil									
% Moisture	9.5	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
NW-2 (7F01011-15) Soil									
% Moisture	8.5	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
NW-3 (7F01011-16) Soil									
% Moisture	5.7	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
EW-1 (7F01011-17) Soil									
% Moisture	7.4	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	
EW-2 (7F01011-18) Soil									
% Moisture	7.7	0.1	%	1	EF70406	06/02/07	06/02/07	% calculation	

81 15 101

Plains All American EH & S 1301 S. County Road 1150

Midland TX, 79706-4476

Project: Scharb to Vacuum 4"

Project Number: 2002-10128
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control Environmental Lab of Texas

		Reporting	F T 4	Spike	Source	A/DEC	%REC	nnn	RPD	31-7
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EF70410 - EPA 5030C (GC)		· · · · · · · · · · · · · · · · · · ·				-				
Blank (EF70410-BLK1)				Prepared: 0	6/04/07 A	nalyzed: 06	/05/07			
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	**							
Ethylbenzene	ND	0.00100	**							
Xylene (p/m)	ND	0.00100	**							
Xylene (o)	ND	0 00100	u							
Surrogate: a,a,a-Trifluorotoluene	43 8		ug/kg	50.0		87.6	75-125			
Surrogate [.] 4-Bromofluorobenzene	42 2		"	50 0		84 4	75-125			
LCS (EF70410-BS1)				Prepared: 0	6/04/07 A	nalyzed: 06	/05/07			
Benzene	0.0479	0 00100	mg/kg wet	0.0500		95 8	80-120			
Toluene	0.0491	0.00100	**	0.0500		98.2	80-120			
Ethylbenzene	0.0485	0.00100	**	0.0500		97.0	80-120			
Xylene (p/m)	0.0921	0.00100	w	0 100		92 1	80-120			
Xylene (o)	0.0508	0.00100	"	0.0500		102	80-120			
Surrogate: a,a,a-Trifluorotoluene	42.4		ug/kg	50 0		84 8	75-125			
Surrogate. 4-Bromofluorobenzene	45.8		"	50.0		916	75-125			
Calibration Check (EF70410-CCV1)				Prepared: 0	6/04/07 A	nalyzed: 06	/05/07			
Benzene	0.0532		mg/kg wet	0 0500		106	80-120			
Toluene	0.0527		"	0.0500		105	80-120			
Ethylbenzene	0.0505		**	0 0500		101	80-120			
Xylenc (p/m)	0.0946		**	0.100		94.6	80-120			
Xylene (o)	0 0528		**	0.0500		106	80-120			
Surrogate: a,a,a-Trifluorotoluene	50 1		ug/kg	50.0		100	75-125			
Surrogate 4-Bromofluorobenzene	49 6		"	50.0		99 2	75-125			
Matrix Spike (EF70410-MS1)	Sou	rce: 7F01011	-03	Prepared: 0	6/04/07 A	nalyzed: 06	/05/07			
Benzene	0.109	0.00200	mg/kg dry	0.113	ND	96 5	80-120			
Toluene	0.110	0.00200	**	0.113	ND	97.3	80-120			
Ethylbenzene	0 110	0.00200	**	0 113	ND	97.3	80-120			
Xylene (p/m)	0 207	0.00200	**	0 227	ND	91.2	80-120			
Xylene (o)	0 113	0.00200	н	0.113	ND	100	80-120			
Surrogate a,a,a-Trifluorotoluene	46 4		ug/kg	50 0		92.8	75-125			
Surrogate: 4-Bromofluorobenzene	48 1		"	50 0		96 2	75-125			

Project: Scharb to Vacuum 4"

Project Number: 2002-10128
Project Manager: Camille Reynolds

Fax. (432) 687-4914

Organics by GC - Quality Control

Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	. =
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EF70410 - EPA 5030C (GC)	····									
Matrix Spike Dup (EF70410-MSD1)	Sou	rce: 7F01011	-03	Prepared: (06/04/07 A	nalyzed: 06	/05/07			
Benzene	0.110	0.00200	mg/kg dry	0.113	ND	97.3	80-120	0.826	20	
Toluene	0 112	0.00200	**	0.113	ND	99.1	80-120	1 83	20	
Ethylbenzene	0 113	0 00200	"	0.113	ND	100	80-120	2 74	20	
Xylene (p/m)	0.211	0 00200	н	0 227	ND	93.0	80-120	1.95	20	
Xylene (o)	0.116	0.00200	11	0.113	ND	103	80-120	2.96	20	
Surrogate a,a,a-Trifluorotoluene	48.7		ug/kg	50.0		97.4	75-125			
Surrogate. 4-Bromofluorobenzene	48.5		"	50.0		97.0	75-125			
Batch EF70511 - EPA 5030C (GC)	·									
Blank (EF70511-BLK1)				Prepared &	Analyzed:	06/05/07				
Benzene	ND	0.00100	mg/kg wet							
Toluene'	ND	0.00100	ıı							
Ethylbenzene	ND	0.00100	u							
Xylene (p/m)	ND	0.00100	u							
Xylene (o)	ND	0.00100	*							
Surrogate. a,a,a-Trifluorotoluene	54 6		ug/kg	500		109	75-125			
Surrogate: 4-Bromofluorobenzene	51 3		"	500		103	75-125			
LCS (EF70511-BS1)				Prepared &	Analyzed.	06/05/07				
Benzene	0.0555	0.00100	mg/kg wet	0 0500		111	80-120			
Toluene	0.0570	0.00100	"	0.0500		114	80-120			
Ethylbenzene	0.0555	0.00100	u	0.0500		111	80-120			
Xylene (p/m)	0.104	0.00100	н	0.100		104	80-120			
Xylene (o)	0.0576	0 00100	"	0.0500		115	80-120			
Surrogate a,a,a-Trıfluorotoluene	55.6		ug/kg	50.0		111	75-125			
Surrogate. 4-Bromofluorobenzene	548		"	50.0		110	75-125			

Project: Scharb to Vacuum 4"

Project Number: 2002-10128
Project Manager: Camille Reynolds

Fax: (432) 687-4914

Organics by GC - Quality Control Environmental Lab of Texas

	. .	Reporting	•••	Spike	Source	A/== =	%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EF70511 - EPA 5030C (GC)										
Calibration Check (EF70511-CCV1)				Prepared: 0	06/05/07 Ar	nalyzed: 06	/06/07			
Benzene	0.0538		mg/kg wet	0.0500		108	80-120			
Toluene	0.0541		"	0.0500		108	80-120			
Ethylbenzene	0.0515		"	0.0500		103	80-120			
Xylene (p/m)	0.0965		'n	0 100		96.5	80-120			
Xylene (o)	0.0530		"	0.0500		106	80-120			
Surrogate: a,a,a-Trifluorotoluene	49.8	.	ug/kg	500		99 6	75-125			
Surrogate: 4-Bromofluorobenzene	46.7		"	50.0		93.4	75-125			
Matrix Spike (EF70511-MS1)	Sou	ırce: 7F01011	-18	Prepared: 0	06/05/07 Ar	nalyzed: 06	/06/07			
Benzene	0.105	0.00200	mg/kg dry	0.108	ND	97 2	80-120			
Toluene	0.108	0.00200	17	0.108	ND	100	80-120			
Ethylbenzene	0.106	0.00200	"	0.108	ND	98.1	80-120			
Xylene (p/m)	0.196	0.00200	**	0.217	ND	90.3	80-120			
Xylene (o)	0.108	0.00200	•	0.108	ND	100	80-120			
Surrogate a,a,a-Trifluorotoluene	44 4	_	ug/kg	50.0	· · · · · · · · · · · · · · · · · · ·	88.8	75-125			
Surrogate [·] 4-Bromofluorobenzene	44 9		"	50.0		89.8	75-125			
Matrix Spike Dup (EF70511-MSD1)	Sou	rce: 7F01011	-18	Prepared: 0	06/05/07 Ar	nalyzed: 06	/06/07			
Benzene	0.107	0.00200	mg/kg dry	0 108	ND	99.1	80-120	1.94	20	
Toluene	0.108	0.00200	"	0 108	ND	100	80-120	0.00	20	
Ethylbenzene	0 107	0.00200		0 108	ND	99.1	80-120	1.01	20	
Xylene (p/m)	0.197	0.00200	**	0.217	ND	90 8	80-120	0.552	20	
Xylene (o)	0.109	0.00200	**	0.108	ND	101	80-120	0 995	20	
Surrogate· a,a,a-Trıfluorotoluene	47 0		ug/kg	500		94.0	75-125			
Surrogate 4-Bromofluorobenzene	45 9		"	50.0		918	75-125			
Batch EF70515 - Solvent Extraction (GC)										
Blank (EF70515-BLK1)				Prepared: 0	06/05/07 Ar	nalyzed: 06	/07/07			
Carbon Ranges C6-C12	ND	10.0	mg/kg wet							
Carbon Ranges C12-C28	ND	10.0	11							
Carbon Ranges C28-C35	ND	10.0	"							
Total Hydrocarbons	ND	10.0	**							
Surrogate: 1-Chlorooctane	46 2		mg/kg	50 0		92.4	70-130		•	
Surrogate: 1-Chlorooctadecane	43 6									

Project: Scharb to Vacuum 4"

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Organics by GC - Quality Control Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EF70515 - Solvent Extraction (GC)						_				
LCS (EF70515-BS1)				Prepared &	analyzed	i: 06/05/07				
Carbon Ranges C6-C12	585	10.0	mg/kg wet	500		117	75-125			
Carbon Ranges C12-C28	415	100	"	500		83.0	75-125			
Carbon Ranges C28-C35	ND	10.0	**	0.00			75-125			
Total Hydrocarbons	1000	10.0	u	1000		100	75-125			
Surrogate 1-Chlorooctane	46 7		mg/kg	50.0		93.4	70-130	*		
Surrogate. I-Chlorooctadecane	40.1		"	50 0		80 2	70-130			
Calibration Check (EF70515-CCV1)				Prepared: 0	06/05/07 A	Analyzed: 06	5/07/07			
Carbon Ranges C6-C12	256		mg/kg	250		102	80-120			
Carbon Ranges C12-C28	203		n	250		81.2	80-120			
Total Hydrocarbons	459		ŋ	500		91.8	80-120			
Surrogate. 1-Chlorooctane	50.1		,,	500		100	70-130			
Surrogate. 1-Chlorooctadecane	49 6		"	50.0		99.2	70-130			
Matrix Spike (EF70515-MS1)	Sou	rce: 7F01011	-04	Prepared: (06/05/07 <i>A</i>	Analyzed. 06	5/06/07			
Carbon Ranges C6-C12	651	10.0	mg/kg dry	557	ND	117	75-125			
Carbon Ranges C12-C28	454	10.0	**	557	ND	81.5	75-125			
Carbon Ranges C28-C35	ND	10.0	**	0 00	ND		75-125			
Total Hydrocarbons	1110	10.0	"	1110	ND	100	75-125			
Surrogate 1-Chlorooctane	49 9		mg/kg	50.0		99.8	70-130			
Surrogate. 1-Chlorooctadecane	41 9		"	50 0		83.8	70-130			
Matrix Spike Dup (EF70515-MSD1)	Sou	rce: 7F01011	-04	Prepared: (06/05/07 <i>A</i>	Analyzed: 06	5/06/07			
Carbon Ranges C6-C12	676	10.0	mg/kg dry	557	ND	121	75-125	3.36	20	
Carbon Ranges C12-C28	466	10.0	**	557	ND	83.7	75-125	2.66	20	
Carbon Ranges C28-C35	ND	10.0	"	0.00	ND		75-125		20	
Total Hydrocarbons	1140	100	u	1110	ND	103	75-125	2.96	20	
Surrogate 1-Chlorooctane	51.9		mg/kg	50.0		104	70-130	· ·		-

500

40.0

Surrogate 1-Chlorooctadecane

80 0

70-130

Plains All American EH & S

1301 S. County Road 1150 Midland TX, 79706-4476 Project: Scharb to Vacuum 4"

Project Number: 2002-10128

Project Manager: Camille Reynolds

Fax: (432) 687-4914

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environme	ntal Lab of Te	xas	
			

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EF70406 - General Prepai	ation (Prep)									
Blank (EF70406-BLK1)				Prepared &	Analyzed:	06/02/07				
% Solids	100		%							
Duplicate (EF70406-DUP1)	Sou	rce: 7F01011-0)1	Prepared &	Analyzed:	06/02/07				
% Solids	90.3		%		91.5			1.32	20	
Duplicate (EF70406-DUP2)	Sou	rce: 7F01016-0)3	Prepared &	Analyzed:	06/02/07				
% Solids	88.4		%		89.4			1.12	20	

Fax: (432) 687-4914 Project: Scharb to Vacuum 4" Plains All American EH & S Project Number: 2002-10128 1301 S. County Road 1150

Project Manager: Camille Reynolds Midland TX, 79706-4476

Notes and Definitions

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

DET Analyte DETECTED

Analyte NOT DETECTED at or above the reporting limit ND

NR Not Reported

Sample results reported on a dry weight basis dry

RPD Relative Percent Difference

Laboratory Control Spike LCS

Matrıx Spike MS Duplicate

Dup

Report Approved By:

6/7/2007

Brent Barron, Laboratory Director/Corp. Technical Director Celey D. Keene, Org. Tech Director Raland K. Tuttle, Laboratory Consultant

James Mathis, QA/QC Officer Jeanne Mc Murrey, Inorg. Tech Director

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

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						>9-	110	W	_ 10	الالا	<u> </u>		<u> </u>	\mathcal{U}	14	11				<i>V</i> .					·			Parameter III	
Matrix Contai		NW - Wastewa /OA - 40 ml vi		, .	W - Water A/G - Amber/	S - Soil Or Glass 1	SD - So Liter	lid	L • Liqu 250 ml	id Class	- Air B wide m	lag outh			rcoal t lastic c	ube or othe	- SL	ślu	dge	<u> </u>) - O) 	-	\$ -5 6 -5			٠,٠٠٠	,	,
Houste	n Office	1	2.52		Dallas O	ffice	<u> </u>			For	t Worth	Office	٤			, ,	`. ·	Aust	n Off	ce	les Die		40			Midland	d Office)61	4

Houston Office 11555 Clay Road, Suite 100 Houston, Texas 77043 (713) 690-8989 Fax (713) 690-8787 Dallas Office 8901 Carpenter Freeway, Suite 100 Dallas, Texas 75247 (214) 630-1010 Fax (214) 630-7070 Fort Worth Office 2601 Gravel Drive Fort Worth, Texas 76118 (817) 268-8600 Fax (817) 268-8602 Austin Office 5307 Industrial Oaks Bivd. # 160 Austin, Texas 78735 (512) 442-1122 Fax (512) 442-1181 Midland Office 24 Smith Rd., # 261 Midland, Texas 79705 (432) 684-9600 Fax (432) 684-9608

ENVIRONMENTAL: GE	OTECHNICAL AND CONSTRUC	TION MATERIALS SERV	/ICES	CHAIN OF CUSTODY RECORD
	Laboratory: ELOT	ANALYSIS REQUESTED	, , , , , , , , , , , , , , , , , , , ,	Lab use only Due Date:
lerracon	Address:		1	Temp. of coolers
Consulting Engineers & Scientists				when received (C°):
Office Location Midland TX	Contact:	· /.	W. 1 1 1	1 2 3 4 5
	Phone:			Page 2 of 2
Project Manager Cathorine Condon	PO/SO #: 2002 - 10128			
Sampler's Name	Samplers Signature	/5/		/ / . /
Brandon Wilson	B Wil	80/5	2	
Proj. No. Project Name		of Containers]	
44077048 Scharb to		Hoz Jos 12		/ /:
Matrix Date Time G A Identifying M	arks of Sample(s)	VG 250 P/O		Lab Sample ID (Lab Use Only)
S 6/1/07 09:53 X SW-1		XX		(株) (1) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
10:30 5ω-	2			-12
10:25 Sw				-13
09:45 NW				-14
10:00 NW=		á d		156
10:05 NW-				-16
10:15 EW-				-17:
10:20 EW-	4 # 2 4			-18
7 10 20 F W-				
Turn around time Q Normal Q 25% Rush	☐ 50% Rush ☐ 100% Rush			
Relinquished by (Signature) Date: 6/1/07	Time: Received by: (Signature)	Date: Time:	NOTES: Camille Reynold	15 W/ Plains
Relinquished by (Signature) Date:	Time: Received by: (Signature)	Date: Time:		
Relinquished by (Signature) Date:	Time: Received by: (Signature)	Date: Time:		
	Time: Received by: (Signature)	Date: Time:		34
	S - Soil SD - Solid L - Liquid A - A Or Glass 1 Liter 250 ml - Glass wid	hir Bag C- Charcoal tube a mouth P/O - Plastic or other	SL - sludge O - Oil	
Houston, Texas 77043 Dallas, To	penter Freeway, Suite 100 2601 Gr exas 75247 Fort Wo	orth Office ravel Drive orth, Texas.76118 58-8600 Fax (817) 268-8602	Austin Office 5307 Industrial Oaks Blvd. # 1 Austin, Texas 78735 (512) 442-1122 Fax (512) 44	Midland, Texas 19703

5 3

, 13 .

(g, 2%)

1

Sec. 750.

The second

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client:	Plains					
Date/ Time:	6.1.07 14:17					
Lab ID#:	7F01011	-				
Initials:	ar	- 21.	* ,	÷		-
	Sample Receipt (Checklist				
_	:				Client Initials	;
	ature of container/ cooler?	Yes	No	S.O °€		
	container in good condition?	Yes	No			*
	Seals intact on shipping container/ cooler?	Yes	. No	Not Present		
#4 Custody	Seals intact on sample bottles/ container?	Ves	No	Not Present		
	f Custody present?	Yes	No			
#6 Şample	instructions complete of Chain of Custody?	Yes	No.	- 4 *		
	f Custody signed when relinquished/ received?	Yes)	No	, , ,		,
#8 Chain o	f Custody agrees with sample label(s)?	Yes)	No	ID written on Cont./ Lid		
#9 Contain	er label(s) legible and intact?	Yes	No	Not Applicable		
	e matrix/ properties agree with Chain of Custody?	(es)	No			
#11. Contain	ners supplied by ELOT?	Yes	No	·		
#12 Sample	es in proper container/ bottle?	Yes	No	See Below		,
	es properly preserved?	(es)	No .	See Below		
	e bottles intact?	Yes	No			
	vations documented on Chain of Custody?	Yes	No			
	ners documented on Chain of Custody?	Yes	~ No			1 .
	ent sample amount for indicated test(s)?	Yes	No .	See Below		• • •
	ples received within sufficient hold time?	Yes	. No	See Below	<u> </u>	İ
<u> </u>	ntract of sample(s)?	Yes	No	Not Applicable		1
	amples have zero headspace?	Xes)	No	Not Applicable	<u> </u>	1
W20 100 B	SAMPLES HERE ZOIG HOUSEPARD.	10000		1 NOCTOPSIONE	<u> </u>	
	Variance Docun	nentation	-			•
Contact:	Contacted by:			Date/ Time:		
						,
Regarding:						·
	•	•				
Corrective A	ction Taken:					
.,		ra a fil	. ,			
,		-				
,					-	
Check_all;th	at-Apply: See attached.e-mail/ fax	-				
	Client understands and would	d like to prod	ceed with	analysis		
	Cooling process had begun s	-		•		
	La comis process in a cognitive	,	· · · · · · · · · · · · · · · · ·	= - = • • •		

APPENDIX D

Site Photographs

Terracon

Scharb to Vacuum – 4' Gathering Terracon Project No.: A4077048 Plains Leak No.: 2002-10128 Date Photos Taken: October 2007

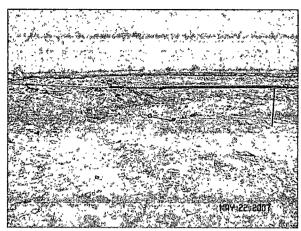


Photo #1 Looking at the former excavation to the west. The pipeline is visible in the foreground.

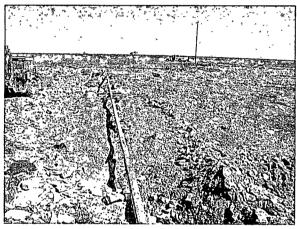


Photo #3 Looking to the north of the excavation during backfilling activities. Pipeline is visible in the center of the photograph.

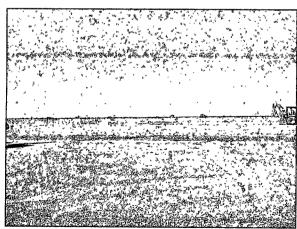


Photo #5 Looking to the west across the former excavation area.

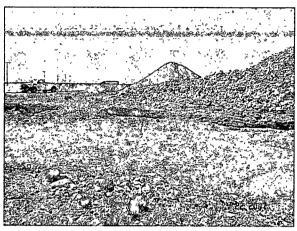


Photo #2 Looking to the southeast of the former stockpiled soils and rocks at the site.

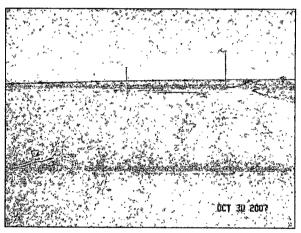


Photo #4 Looking to the north of the former excavation.

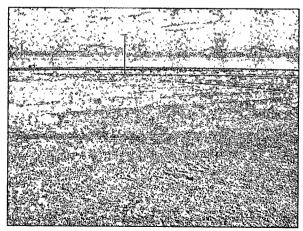


Photo #6 Looking to the northeast at the former excavation.

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

Name of Company

Address

OPERATOR

EOTT Energy Pipeline

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised March 17, 1999

Final Report

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

Initial Report

Frank Hernandez

Release Notification and Corrective Action

Contact

Telephone No.

5805 East	Highway	80 / P.O. Bo	x 1660, N	Aidland, TX 79'	703	· · · · · · · · · · · · · · · · · · ·	915.638.3	5799						
Facility Name							Facility Type							
Scharb to Vacuum 4" Gathering							4" Crude Oil Pipeline							
Surface Owner Mineral Owner									Lease N	lo.				
State of New Mexico														
				LOCA	TIO	N OF REL	EASE			WW 65				
Unit Letter							Feet from the	East/V	Vest Line	County: Lea				
		•							Lat.: 32° 41' 54.45"N					
_ N	33	18S	35E							Long.: 103° 27' 52.94"W				
				NAT	URE	OF RELE	EASE							
Type of Rele	ase					Volume of	Release		Volume I	Recovered				
	Crud	e Oil					20 bb			5 bbls				
Source of Release							lour of Occurrence	ė		Hour of Discovery				
4" Steel Pipeline							1400 hours		4-23-0	02 1400 hours				
Was Immediate Notice Given? ☐ Yes ☐ No ☐ Not Required						If YES, To	Whom? Paul Sl	neeley						
By Whom? Date and Hour														
By Whom? Frank Hernandez 4-23-02 1600 hrs														
Was a Water	course Rea	ched?	es 🛛 N	lo		If YES, V	olume Impacting t	he Wate	ercourse.	130				
										2520 282				
If a Watercon	urse was Im	pacted, Descr	ibe Fully.	•					/	6 A				
									/ ty	:":				
		em and Reme				. ,			12	Ruggivod &				
External corr	cosion. Line	e replaced and	i contamin	ated soil placed o	n plast	ic barrier on si	te.		07 6	Hickas 6				
									ماران بدو	600				
									,	2				
Describe Are	a Affected	and Cleanup	Action Tal	cen.*						291 place 18 to to be				
Area = $\sim 9,77$	77 ft ² . (245	' x 75') Liqui	ds vacuum	ed and reintroduc	ed into	system. Cont	aminated soil exca	avated a	nd placed o	on plastic barrier. Site to be				
delineated ar	nd remediat	ion plan devel	oped and	submitted to the I	MOC	D for approval	•							
I hereby cert	ify that the	information o	iven show	is true and comm	lete to	the hest of my	knowledge and u	ndersta	nd that ave	suant to NMOCD rules and				
regulations a	ll operators	are required t	o report a	nd/or file certain	release	notifications a	nd perform correc	tive act	ions for rel	eases which may endanger				
public health	or the envi	ronment. The	acceptan	ce of a C-141 repo	ort by t	he NMOCD m	arked as "Final R	eport"	loes not rel	leve the operator of liability				
should their	operations l	nave failed to	adequately	investigate and i	emedia	te contaminat	ion that pose a thr	eat to g	round wate	r. surface water, human health				
or the enviro	nment. In a	addition, NM(OCD accep	tance of a C-141	report	does not reliev	e the operator of	respons	ibility for c	compliance with any other				
federal, state	, or local la	ws and/or reg	ulations.						······································					
Gi-matuur.	So	ink 1 km	nandy				OIL CONS	ERV	<u>ATION</u>	DIVISION				
Signature:							East 11mm	Euc.						
Printed Nam	e: Frank He			Approved by District Supervisor:										
Title: Distric	et Environm	nental Supervi	sor			Approval Date: 8.28.0/ Expiration Date:								
Date: Apr	il 28, 2002	F	hone: 915	.638.3799		Conditions o	f Approval:	Attacl						
* Attach	lenoitibh A	Sheets If Nece	VICOTU					<u> </u>						

District I
1625 N. French Dr., Hobbs, NM 88240
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1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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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

Form C-141

Revised October 10, 2003

Release Notification and Corrective Action RP- 1534

			OPERA	TOR		Initial R	eport 🗵 I	Final Re	eport					
		ains Marketi				Contact Camille Reynolds								
Address 31	2 West H	wy 82,Lovin	gton, NN	Л 88260	Telephone No. 505-441-0965									
				ing 2001-11005		Facility Type 4"Steel Pipeline								
Surface Ow	ner State o	of New Mexi	co	Mineral O	wner	Lease No.								
Darrage on		<u> </u>				AL CARS TO HOLD	C TO A COTO							
[1	[m1 :	D			N OF REI		I D40	177	Country				
Unit Letter N	Section 33	Township 18S	Range 35E	Feet from the	Norti	n/South Line	Feet from the	East	West Line	County Lea				
IN	33	103	3312							Lea				
		Latitud	e 32° 41	l' 54.5"		Longitude	103° 27' 52.9)"						
					URE	OF RELI								
Type of Rele	ase Crude (Dil					Release 20 barre	els	Volume l	Recovered 5	Barrels			
Source of Re						Date and H	lour of Occurren	ce	Date and	Hour of Dis	scovery			
						4/23/2002			4/23/2002	2 @ 14:00				
Was Immedia	ate Notice (Yes 🗌	No 🗌 Not Requ	uired	If YES, To Paul Sheel					42131475			
By Whom? F	ronk Horne		103	THO I HOUREAGE			lour 04/23/2002	@ 16·M	<u> </u>	/25	112131415,			
Was a Water			**				olume Impacting				ao€.			
,			Yes 🗵] No			anne impuesting			678	sdoct			
If a Watercou	ırse was Im	pacted, Descri	ibe Fully.	•						13.4	Julii O			
										/ ന	1003 HUM			
										14	۳,			
										//	1 0			
Describe Cau	se of Probl	em and Remed	dial Action	n Taken.* Externa	1 corro	sion of the 4 in	nch steel pipeline	e resulte	d in a loss o	of crude oil.	Forty feet of the 4			
				was stockpiled on										
Describe Are	a Affantad	and Cleanup A	otion Tak	ran *	·····									
					confir	nation soil san	onles were collec	eted fron	n the floor	nd walls of	the excavation and			
from the stoc	kpiled treat	ed soil. Analy	tical data	indicated all samp	les co	llected were be	elow the NMOC	D guidel	lines. The	excavation v	was backfilled with			
				tored to topograph				Ü						
Diameter and the	44l 1 T	Cail (Na C.		1.4.17		2007.6	c		• .	16			
Please see the	e attached 1	erracon Son C	Josure Co	ompliance Report of	dated i	November 12,	2007 for details	of remed	nal activitie	es conducte	d for site closure.			
I hereby certi	fy that the i	nformation gi	ven above	is true and comple	ete to	the best of my	knowledge and u	understa	nd that purs	suant to NM	IOCD rules and			
regulations al	l operators	are required to	report ar	nd/or file certain re	lease i	notifications ar	nd perform corre	ctive act	ions for rel	eases which	n may endanger			
public health	or the envii	ronment. The	acceptanc	ce of a C-141 repor	rt by th	ne NMOCD ma	arked as "Final R	Report" o	loes not rel	ieve the ope	erator of liability			
should their o	perations h	ave lailed to a	dequately	investigate and re tance of a C-141 r	media	te contaminati	on that pose a thi	reat to g	round water	r, surface w	ater, human health			
		vs and/or regu		talice of a C-141 I	cport (ioes not renev	e the operator of	respons	ibility for c	omphance v	with any other			
/	7					· · · · · · · · · · · · · · · · · · ·	OIL CON	SERV	ATION	DIVISIO	ON			
1	V ~~	α . α .	, Va	connolds	/		<u> </u>	-8/	1111011	DIVIDIO	211			
Signature:	4/11	/lll	14/	griduce	2				10hun	مدعج				
Printed Name	: Camille R	Reynolds		*	Approved by District Supervisor. ENVIRONMENTAL ENGINEER									
Title: Remedi	ation Coord	Approval Date: 11. 79.07 Expiration Date:												
						Approvai Dat	· II. C 1		LAPHANON	Jaic.				
E-mail Addre	ss: cjreynol	lds@paalp.cor	n			Conditions of Approval:								
Date:	791	2M7	_	Phone:505-441-09	065					RP-1534	')			
	ional Shee	ets If Necessa	arv	1 HOHE. 303-441-0	703									