DATA EVALUATION AND CLOSURE PROPOSAL

VACUUM TO JAL 14" MAINLINE # 5 PLAINS EMS NO. 2003-00134

UL-A SECTION 2 T22S R37E

Lea County, New Mexico

PREPARED FOR



MARKETING, L.P.

333 CLAY STREET, SUITE 1600

HOUSTON, TEXAS 77002

PREPARED BY



ENVIRONMENTAL SERVICES, INC

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Project No. 205069.00

July 2005

Plains - 231735 acute - fpaco603925551 - nPACO603926141 EPAC0603926096 application -pPACO603926426



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Distribution

DISCLAIMER

Premier has examined and relied upon the file information provided by Plains and Environmental Plus, Inc. (EPI). Premier has not conducted an independent examination of the information contained in the Plains files; furthermore, we assume the genuineness of the documents reviewed and that the information provided in these documents to be true and accurate. Premier has prepared this report using the level of care and professionalism in the industry for similar projects under similar conditions. Premier will not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time this report was prepared. Premier believes the conclusions stated herein are factual, but no guarantee is made or implied.

Executive Summary

On May 23, 2003, a release of approximately 20 barrels of crude oil occurred from a 14" steel pipeline at the EOTT Energy LLC (EOTT) Vacuum to Jal 14" Mainline #5 site, EMS No. 2003-00134 (Vac to Jal #5). Plains Marketing, L.P. (Plains) currently owns the pipeline. The site is located in unit letter A, NE¼ of the NE¼, Section 2 Township 22S, Range 37E, or more specifically at latitude 32° 25' 39.006" N and longitude 103 ° 07' 43.155" W in Lea County, New Mexico (Figure 1, Appendix A). The land is owned by Mr. Greg Holt. Mr. Pat McCasland of Environmental Plus, Inc. (EPI) reported the release on behalf of Mr. Frank Hernandez of EOTT to the New Mexico Oil Conservation Division (NMOCD) on May 23, 2003 at about 8:00 p.m., according to the Initial C-141. The leak was apparently caused by internal or external corrosion and was repaired. The line was being pressure tested when the leak occurred.

The irregularly shaped spill area was approximately 200 feet by 40 feet, and impacted approximately 8,885 square feet (Figure 2, Appendix A). There appeared to be a historical spill at the Site that impacted a contiguous area of approximately 2,486 square feet, evidenced by an asphaltine layer noted at the surface (Fig. 2, Appendix A). The depth of this historical spill is unknown. According to Mr. Pat McCasland with Environmental Plus, Inc. (EPI), emergency response excavation was completed in May and June 2003 and this soil was stockpiled onsite. File correspondence from EPI to Plains states that, during March 5 to March 11, 2004, approximately 1,466 yd³ of the more heavily impacted surface soils had been transported for treatment at the Lea Station Land Farm.

Based on the proximity of Vacuum to Jal 14" No. 5 to area water wells, surface water bodies, and depth to groundwater, the site has an NMOCD ranking score of **10** points.

Eight borings were placed to delineate the May 2003 spill as well as the historical spill. Analytical results from these eight delineation borings installed in May/June 2003 to 15 feet bgs indicate that Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) concentrations are either below the detection limit of 0.020 mg/Kg or below the regulatory standard, except at the surface in BH-2, BH-3, BH -4, BH-5, and BH -6. Total Petroleum Hydrocarbon (TPH) exceedances are at the surface in the same locations, and at BH-7 up to 10 feet bgs (Figure 2, Appendix A; Table 3, Appendix B; Analytical Reports, Appendix C).

In March 2004, prior to excavation activities to remove impacted soil, four exploratory trenches were completed to further delineate the 2003 release (Fig. 2, Appendix A). Headspace analysis of soil show Volatile Organic Concentrations (VOCs) above 100 ppm, the NMOCD field screening remediation criteria, in trenches adjacent to BH-1 to 13 feet bgs, adjacent to BH-4 to 10 feet bgs, and proximal to BH-6, to 2 feet bgs (Table 3, Appendix B). These areas were further excavated and additional excavated soil was land farmed onsite. According to Mr. McCasland, the impacted soil has been periodically tilled, and remains onsite.

Soil samples for laboratory analyses do not appear to have been collected from the excavation base and side walls, the onsite land farm, and onsite stockpiles.

Plains proposes completing delineation by collecting soil samples from the base of the excavation and from the side walls. If excavation analytical results are above regulatory limits, soil borings will be installed based on the location of elevated concentrations, sampled continuously and soil samples collected every 5 feet to a depth of 20 feet for laboratory analyses. Samples will be analyzed for TPH DRO and GRO, and BTEX. To demonstrate whether or not COCs could potentially impact groundwater above the NMOCD standards, (mobility of COCs in soil), the synthetic precipitate leaching procedure (SPLP) may be used with analyses for BTEX constituents on one or more of the soil samples exhibiting the highest TPH concentrations.

Composite samples will be collected at a rate of one sample per 250 cubic yards from the onsite soil stockpiles that have been land farmed, and analyzed for TPH DRO and GRO and BTEX. If necessary, one or more of these samples may be submitted for SPLP BTEX analysis. Analytical data from stockpiled material will be used to determine if the stockpiled material can be used as backfill at the Site.

1.0 Introduction and Site History

Premier Environmental Services, Inc. (Premier) has been retained by Plains Marketing, L.P. (Plains) to review existing site data and prepare a Data Evaluation and Closure Proposal for the Vacuum to Jal 14" Mainline #5 Site (Vac to Jal #5) (EMS Nos. 2003-00134).

The leak that occurred at the Vac to Jal #5 Site (Site) on March 23, 2003 was apparently caused by external or internal corrosion. The site is located in unit letter A, NE¼ of the NE¼, Section 2, Township 22S, Range 37E, or more specifically at latitude 32° 25' 39.006" N and longitude 103 ° 07' 43.155" W in Lea County, New Mexico (Figure 1, Appendix A). Mr. Pat McCasland of Environmental Plus, Inc. (EPI) reported the release on behalf of Mr. Frank Hernandez of EOTT to the New Mexico Oil Conservation Division (NMOCD) on May 23, 2003 at about 8:00 p.m., according to the Initial C-141. The line was being pressure tested when the leak occurred and the line was subsequently repaired. The C-141 form identified remediation standards, and outlined an initial plan to remediate the site. A copy of the C-141 is found in Appendix E.

The irregularly shaped spill area was approximately 200 feet by 40 feet, and impacted approximately 8,885 square feet (Figure 2, Appendix A). There appeared to be an historical spill at the Site that impacted a contiguous area of approximately 2,486 square feet, evidenced by an asphaltine layer (Fig. 2, Appendix A). Soil samples were collected from eight boreholes installed up to 15 feet below ground surface (bgs), also completed in May and June 2003. According to Mr. Pat McCasland with Environmental Plus, Inc. (EPI), emergency response excavation was completed in May and June 2003 and, as of March 2004, approximately 1,466 yd³ had been transported for treatment at the Lea Station Land Farm.

2.0 Environmental Characterization

2.1 Geological Description

In Lea County, the Recent Age Mescalero sands cover 80% of Lea County, and are described as fine to medium-grained and reddish brown in color. Lea County lies in the Pecos Valley Section of the Great Plains Province, very near the Southern High Plains to the east. The Tertiary Age Ogallala Formation underlies all of the High Plains and mantles several ridges in Lea County.

The site appears to be located primarily on Recent Age Mescalero sands. The site seems to be characteristic of the High Plains, with a uniform, topographically relatively flat surface that slopes very gently to the southeast.

2.2 Land Use

Land use in the area is primarily livestock rangeland and oil field activities. Several gas compressor stations are located in the vicinity of the site and several major oil and gas transmission lines bisect the region. The area in the immediate vicinity of the Site is sparsely populated but there is one residential property within approximately 500 feet of the Site. According to the City of Eunice Water/Wastewater Superintendent, the water supply for this residence is the Eunice Municipal Water Supply.

2.3 Ground Water

The New Mexico Office of the State Engineer database lists one water well in Section 2, T22S R37E (Appendix D). This water well is listed with an average depth to water of 1100 feet. The City of Eunice Water/Wastewater Superintendent was not aware of a private well on the residential property located within approximately 500 feet of the Site. According to EPI, a water well used for agricultural purposes is located on this property, with a depth to groundwater of about 65 feet bgs.

2.4 Surface Water

There are no surface water bodies within 1000 feet of the site.

3.0 Regulatory Framework

In New Mexico, the NMOCD oversees and regulates oil, gas and geothermal activities, including compliance with environmental regulations. Guidance for cleanup of crude oil releases is provided in the NMOCD <u>Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)</u> document. Primary contaminants, or COCs, associated with crude oil releases include total petroleum hydrocarbons (TPH), benzene, toluene, ethyl benzene, and total xylenes (BTEX). Guidelines for these COCs in soil are evaluated based on a site ranking system. The ranking system estimates the likelihood of exposures to the COCs and is based on the three following parameters,

- Depth to groundwater
- Wellhead protection area
- Distance to surface water body

These parameters illustrate that focus of the guidelines is to protect groundwater and surface water resources.

3.1 NMOCD Site Ranking Guidance – Initial Evaluation

The site was initially evaluated based on the information presented in the previous sections. Based on the proximity of the site to area water wells, surface water bodies, and depth to groundwater, the site has an NMOCD ranking score of **10 points,** with the soil remedial goals highlighted below in the Site Ranking Matrix.

1. Groundwa	iter	2. Wellhead	Protection Area	3. Distance to Surface Water Body			
If Depth to GW <50 20 points	feet:	If <1000' from wat from private dome	er source, or, <200' estic water source: <i>20</i>	<200 horizontal feet: 20 point			
If Depth to GW 50 to 99 feet: 10 points		points		200-100 horizontal feet: 10 point			
		If >1000' from wat	er source, or, >200'				
If Depth to GW >10 0 points	0 feet:	from private dome <i>points</i>	estic water source: 0	>1000 horizontal feet: 0 poi			
Groundwater Sc	ore:10	Wellhead Prote	ection Area Score: 0	Surface Water Score: 0			
Site Rank (1+2+	+3) =10+	-0+0=10		· · · · · · · · · · · · · · · · · · ·			
Total Site Rank	ing Sco	re and Initial G	iuidance Cleanup	Concentrations			
Parameter		20 or >	10	Ο			
Benzene ¹		10 ppm	10 ppm	10 ppm			
BTEX ¹		50 ppm	50 ppm	50 ppm			
TPH		100 ppm	1000 ppm	5000 ppm			
¹ 100 ppm field VOC	headspa	ce measurement n	nay be substituted for la	ab analysis			

Site Ranking Matrix

During the proposed field effort, the existence and location of the water well that reportedly exists at the nearby residential property will be determined. The preliminary evaluation suggests that there is minimal risk for migration to groundwater from COCs in soil, in concentrations that would exceed the NMOCD Standards.

4.0 Soil Investigation Results

In May and June, 2003, eight boreholes were installed to a depth of 15 feet bgs to further delineate impact from the May 2003 Vac to Jal #5 release. Soil samples were collected at intervals between 2 feet to 15 feet in depth and submitted to Analysys, Inc. for laboratory analyses of TPH DRO, GRO, by EPA Method 8015M, and for BTEX by EPA Method 8021B. Copies of the laboratory reports are presented in Appendix C. Impact to soil from the Vac to Jal #5 release was generally limited to less than 2 feet bgs, as indicated in laboratory results. Analytical results show that Benzene, Toluene, Ethylbenzene, and Xylene (BTEX)

concentrations are either below the detection limit of 0.020 mg/Kg or below the regulatory standard, except at the surface in BH-2, BH-3, BH -4, BH-5, and BH -6. TPH exceedances are at the surface in the same locations, and at BH-7, up to 10 feet bgs (Figure 2, Appendix A; Table 1, Appendix B; Analytical Reports, Appendix C).

In March 2004, prior to excavation activities to remove impacted soil, VOC headspace analysis of soil from four exploratory trenches was completed to further delineate the 2003 release (Fig. 3, Appendix A). These trenches are adjacent to BH-1, BH-4, BH-6, and BH-7. VOC headspace analysis show Volatile Organic Concentrations (VOC) above 100 ppm, the NMOCD field screening remediation criteria, in trenches completed adjacent to BH-1 down to 13 feet bgs, adjacent to BH-4 to 10 feet bgs, and proximal to BH-6, down to 2 feet bgs. These areas were further excavated and this soil was land farmed onsite. According to Mr. McCasland, the impacted soil has been periodically tilled, and remains onsite.

5.0 Remediation Activities Completed

The irregularly shaped spill area was approximately 200 feet by 40 feet, and impacted approximately 8,885 square feet (Figure 2, Appendix A). There appeared to be an historical spill at the Site that impacted a contiguous area of approximately 2,486 square feet, evidenced by an asphaltine layer (Fig. 2, Appendix A). According to Mr. Pat McCasland with Environmental Plus, Inc. (EPI), emergency response excavation was completed in May and June 2003 and, as of March 12, 2004, approximately 1,466 yds³ of the more heavily impacted surface soils had been transported for treatment at the Lea Station Land Farm. After March 12, 2004, the excavated soil was land farmed onsite, and according to Mr. McCasland, the impacted soil has been periodically tilled and remains onsite.

6.0 Groundwater Investigation

Due to the limited depth of impacted soils of less than 15 feet, and the average depth to groundwater of 65 feet bgs, it was determined that a groundwater investigation was not necessary for this site. The results of the soil investigation confirm that crude oil did not penetrate the subsurface to a significant depth, and that groundwater is not likely to be threatened by this release.

7.0 Remedial Approach

Plains proposes completing delineation by collecting excavation side wall and bottom hole confirmation samples. In the excavation, six bottom hole soil samples and eight side wall samples will be collected. Samples will be analyzed for TPH DRO and GRO, and BTEX.

If analytical results from the above confirmation samples are above regulatory standards, soil borings will be installed based on the location of the excavation analytical results. If these borings are necessary, soil sampling will be done continuously and soil samples collected every 5 feet to a depth of 20 feet for laboratory analyses.

Composite samples will be collected at a rate of one sample per 250 cubic yards from the onsite soil stockpiles that have been land farmed, and analyzed for TPH DRO and GRO and BTEX. If necessary, one or more of these samples may be submitted for SPLP BTEX analysis. Analytical data from stockpiled material will be used to determine if the stockpiled material can be used as backfill at the Site.

To demonstrate whether or not COCs could potentially impact groundwater above the NMOCD standards, (mobility of COCs in soil), the synthetic precipitate leaching procedure (SPLP) may be used with analyses for BTEX constituents on soil samples exhibiting BTEX concentrations above NMOCD standards.

The existence and location of the reported nearby residential water well will also $\int_{-\infty}^{\infty}$ be determined.

Based on the results of the proposed investigation activities, Premier, on behalf of Plains, will prepare a detailed remediation plan for approval by the NMOCD. The remediation plan will include the results of the investigation and more detailed information regarding the proposed remediation.

Appendix A Figures

Figure 1 – Site Location Map Figure 2 – Site Map



PROJECT FILES/CAD Files/Vacuum to Jai 14 Mainline #5/205069.00.dwg



Appendix B Tables

Table 1 – Soil Sample Analytical Results May June 2003 Analytical Results and March 2004 Trench VOC Headspace

Table 1
Soll Analytical Results
Vacuum to Jal 14 Mainline #5 #2003-00134 5-30-03 and 6-2-03
Link Energy (now owned by Plains)

												Field	Field Screen
				000	000	704	DTEV	Banzana	Ethudhanzana	Total Vidanaa	Taluana		VOC*
	Date		Sample ID	DRU	GRU	IFA	DIEA	Denzene	EuryiDenzene		Toluene		Trench
BH	Sampled	Interval										5-30-03	3-3-04
#		'bgs		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	ppm	ppm
	5/30/2003	2	SE14M553003BH1-2	237	<5	242	0.347	0.026	0.053	0.131	0.136	59.4	2999
	5/30/2003	5	SE14M553003BH1-5	7.98	<5	12.98	<.020	<.020	<.020	<.020	<.020	13.6	1813
BH1	5/30/2003	10	SE14M553003BH1-10	754	<5	759	0.025	<.020	<.020	0.025	<.020	30.2	1537
	5/30/2003	13	SE14M553003BH1-13										1029
	5/30/2003	20	SE14M553003BH1-20	16.2	<5	21.2	0.100	<.020	<.020	<.020	<.020	20.1	
	5/30/2003	2	SE14M553003BH2-2	26600	13200	39800	363.990	6.690	75.800	212.600	68.900	769	
642	5/30/2003	5	SE14M553003BH2-5	512	5.59	517.59	0.067	<.020	<.020	0.038	0.029	38.4	
	5/30/2003	10	SE14M553003BH2-10	873	<5	878	0.022	<.020	<.020	<.020	0.022	7.4	
	5/30/2003	15	SE14M553003BH2-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	7	
	5/30/2003	2	SE14M553003BH3-2	13400	7670	21070	235.920	1.920	50.400	145.800	37.800	950	
600	5/30/2003	5	SE14M553003BH3-5	<5	<5	10	<.020	<.020	<.020	<.020	<.020	37.4	
БПЗ	5/30/2003	10	SE14M553003BH3-10	<5	<5	10	<.020	<.020	<.020	<.020	<.020	7.6	
1	5/30/2003	15	SE14M553003BH3-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	4.3	
	6/2/2003	2	SE14M56203BH4-2	20400	11300	31700	330.760	3.560	69.400	204.600	53.200	1341	299
	6/2/2003	5	SE14M56203BH4-5	<5	<5	10	<.020	<.020	<.020	<.020	<.020	56.5	273
BH4	6/2/2003	10	SE14M56203BH4-10	<5	<5	10	<.020	<.020	<.020	<.020	<.020	6.3	134
	6/2/2003	13	SE14M56203BH4-13										95.8
	6/2/2003	15	SE14M56203BH4-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	5.4	
	6/2/2003	2	SE14M56203BH5-2	9760	6570	16330	239.470	3.470	50.200	143.700	42.100	1295	
	6/2/2003	5	SE14M56203BH5-5	<5	<5	10	<.020	<.020	<.020	<.020	<.020	105	
БЦЭ	6/2/2003	10	SE14M56203BH5-10	<5	<5	10	<.020	<.020	<.020	<.020	<.020	8	
	6/2/2003	15	SE14M56203BH5-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	5.6	
	6/2/2003	2	SE14M56203BH6-2	10900	9330	20230	235.670	3.170	51.600	137.700	43.200	1400	572
0110	6/2/2003	5	SE14M56203BH6-5	<5	<5	10	<.020	<.020	<.020	<.020	<.020	41.3	55.3
	6/2/2003	10	SE14M56203BH6-10	<5	<5	10	<.020	<.020	<.020	<.020	<.020	10.2	11.2
	6/2/2003	15	SE14M56203BH6-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	4.9	
	6/2/2003	2	SE14M56203BH7-2	787	<5	792	0.2249	<.020	0.084	0.106	<.020	9.8	44.6
	6/2/2003	5	SE14M56203BH7-5	2760	1390	4150	35.166	<.020	17.200	17.926	<.020	1316	13.8
BH7	6/2/2003	10	SE14M56203BH7-10	1160	<5	1165	0.385	<.020	0.182	0.203	<.020	60.1	
	6/2/2003	15	SE14M56203BH7-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	6.5	
	6/2/2003	20	SE14M56203BH7-20	<5	<5	10	<.020	<.020	<.020	<.020	<.020	0.4	
	6/2/2003	2	SE14M56203BH8-2	223	<5	228	<.020	<.020	<.020	<.020	<.020	1.4	
000	6/2/2003	5	SE14M56203BH8-5	302	<5	307	<.020	<.020	<.020	<.020	<.020	0.9	
	6/2/2003	10	SE14M56203BH8-10	735	<5	740	<.020	<.020	<.020	<.020	<.020	0.7	
	6/2/2003	15	SE14M56203BH8-15	<5	<5	10	<.020	<.020	<.020	<.020	<.020	0.4	

Data collected by EPI, Inc.



\\File_server\share\PROJECT FILES\PLAINS MARKETING\205069 Vac to Jal Mainline #5\Data Evaluation and Closure Proposal Final Report 7_28_05\Vac to Jal #\$ Final Closure Report\Vac to Jal 14 #5 Report Final.doc

						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 & hristi, TX 85-7411	& X 78408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:2100 Ave. O EuniceFuniceNM 88231Phone:(505) 394-3481FAX:FAX:(505) 394-2601						Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	D#: 143612)3-00134 14 M SE14M553003 soil 06/06/2003 05/30/2003	Repo ain Line # BBH1-2' Time: Time:	prt Date: (#5 10:30 07:30)6/13/03	
REPORT OF ANALYSIS							QUALITY	ASSUR.	ANCE DA	ATA 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)	237	mg/Kg	5	<5	06/12/03	8015 mod.		14.5	72	105.6	78.5
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		17.2	72	105.3	76.6
Volatile organics-8260b/BTEX					06/09/03	8260b					
Benzene	26.1	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	53.5	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	96.3	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	35	µg/Kg	20	<20	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	136	µg/Kg	20	<20	06/09/03	8260b		9.4	84.5	92.8	90.5
Totuene 130 μg/kg 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				lity assurance da elative percent (red from a spike sed as the percen , typically at or ly denote USEP. ns. 7. Data Qu tted method blar ry exceeds advis lvisory limit. M	ata is for the sa (%) difference of sample. Int (%) recover above the Pra A procedures. alifiers are J = nk(s). S1 =MS sory limit. S3 = Matrix inter	ample batch which includ between duplicate measur 4. Calibration Verification y of analyte from a known ctical Quantitation Limit Less than ("<") values re analyte potentially preser and/or MSD recovery ex =MS and/or MSD and PD ference.	led this sample. rements. 3. Recc n (CCV) and Lab n standard or matri (PQL) of the ana flect nominal qua nt between the PC acced advisory lin DS recoveries exce	2. Precisio overy (Reca oratory Co rix. 5. Re lytical met ntitation lin QL and the nits. S2 =P reed advisor	n (PREC) is ov.) is the per ntrol Sample porting Quar hod. 6. Mer nits adjusted MDL. B=A 'ost digestion y limits. P =	the absolut cent (%) or (LCS) resu- titation Lin thod numb- for any req nalyte dete spike (PD Precision h	te value f analyte ults are mits ers uured ucted in S) igher



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

Client:	Environmental Plus, Inc.	Project ID: 2003-00134 14 Main Line #5	Report#/Lab ID#: 143612
Attn:	Pat McCasland	Sample Name: SE14M553003BH1-2'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	82.6	50-150	
p-Terphenyl	8015 mod.	99.9	50-150	
1,2-Dichloroethane-d4	8260b	107	65-115	
Toluene-d8	8260Ъ	120	50-120	

						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus Cl X (512) 3	78744 hristi, T 85-7411	& X 78408
Client: Environmental Plus, Inc. Attn: Pat McCasland				Report#/Lab II Project ID: 200	D#: 143613 03-00134 14 M	Repo ain Line	ort Date: (#5	06/13/03			
Address: 2100 Ave. O				Sample Name:	SE14M553003	3BH1-5'					
Eunice	NM 88231					Data Pagaiyad	SOII	Timo	10.20		
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Sampled:	05/30/2003	Time:	07:45		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	ATA 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)	7.98	mg/Kg	5	<5	06/12/03	8015 mod.		14.5	72	105.6	78.5
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		17.2	72	105.3	76.6
Volatile organics-8260b/BTEX					06/09/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	J	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b		9.4	84.5	92.8	90.5
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my knd are consistent with AnalySys, Inc.'s Quality Assurance Copyright 2000, AnalySys, Inc., Austin, TX. All righ publication may be reproduced or transmitted in any for express written consent of AnalySys, Inc.	 I. Qua of the r recover express (RQL) typical dilution associa recover than ac 	lity assurance de elative percent (red from a spike sed as the percent , typically at or ly denote USEP ns. 7. Data Qu ted method blar ry exceeds advis lvisory limit. M	ata is for the sa (%) difference cd sample. nt (%) recover above the Pra A procedures. alifiers are J = nk(s). S1 =MS sory limit. S3 I =Matrix inter	ample batch which includ between duplicate measu 4. Calibration Verification y of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery ex =MS and/or MSD and PE ference.	led this sample. rements. 3. Reco n (CCV) and Lab n standard or matu (PQL) of the ana filect nominal qua nt between the PC acceed advisory lin DS recoveries exce	2. Precisic overy (Rec oratory Co rix. 5. Re lytical met ntitation lin QL and the nits. S2 =F eed advisor	n (PREC) is ov.) is the per ntrol Sample porting Quar hod. 6. Me mits adjusted MDL. B=A Post digestion y limits. P =	the absoluter (%) of (LCS) resultitation Lii thod numb for any reanalyte determinalyte (PD Precision I	te value of analyte ults are mits oers quired ected in OS) higher		



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Client:	Environmental Plus, Inc.	Project ID: 2003-00134 14 Main Line #5	Report#/Lab ID#: 143613
Attn:	Pat McCasland	Sample Name: SE14M553003BH1-5'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.9	50-150	
p-Terphenyl	8015 mod.	101	50-150	
1,2-Dichloroethane-d4	8260b	79.6	65-115	
Toluene-d8	8260b	115	50-120	

Exceptions Report:

Report #/Lab ID#: 143613Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00134 14 Main Line #5Sample Name: SE14M553003BH1-5'

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 $\leq 6^{\circ}$ C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

ANALYS YS		ć				351 220 (51)	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 d hristi, T 85-7411	& X 78408
Client: Environmental Plus, Inc.						Report#/Lab II)#: 143614	Repo	ort Date: (06/13/03	
Attn: Pat McCasland						Project ID: 200	3-00134 14 M	ain Line	#5		
Address: 2100 Ave. O						Sample Name:	SE14M553003	3BH1-10	I		
Eunice	NM 88231					Sample Matrix:	soil				
						Date Received:	06/06/2003	Time:	10:30		
Phone: (505) 394-3481 FAX: (505)	394-2601	1				Date Sampled:	05/30/2003	Time:	08:20		
REPORT OF ANALYSIS						•••••••	QUALITY	ASSUR	ANCE DA	<u>ATA</u> 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)	754	mg/Kg	5	<5	06/12/03	8015 mod.		14.5	72	105.6	78.5
TPH by GC (as diesel-ext)				***	06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		17.2	72	105.3	76.6
Volatile organics-8260b/BTEX					06/09/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	25.3	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	J	3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	J	9.4	84.5	92.8	90.5
Toluene <20				ity assurance de elative percent (eed from a spike sed as the percent typically at or y denote USEP ns. 7. Data Qu ted method blan y exceeds advis visory limit. M	ata is for the sa (%) difference d sample. nt (%) recover above the Pra A procedures. alifiers are J = nk(s). S1 =MS sory limit. S3 = Matrix inter	Imple batch which includ between duplicate measure 4. Calibration Verification y of analyte from a known ctical Quantitation Limit Less than ("<") values re analyte potentially preser and/or MSD recovery ex =MS and/or MSD and PE ference.	ed this sample. rements. 3. Reco n (CCV) and Lab n standard or mat (PQL) of the ana flect nominal qua nt between the PC acced advisory lin S recoveries exce	2. Precisic overy (Reco oratory Co rix. 5. Re lytical met ntitation lin QL and the nits. S2 =F eed advisor	n (PREC) is ov.) is the pen ntrol Sample porting Quar hod. 6. Me nits adjusted MDL. B = A 'ost digestion y limits. P =	the absolu recent (%) o (LCS) result that ion Li thod numb for any rec nalyte dete a spike (PD Precision h	te value f analyte ults are mits eers quired ected in vS) higher



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Client:	Environmental Plus, Inc.	Project ID: 2003-00134 14 Main Line #5	Report#/Lab ID#: 143614
Attn:	Pat McCasland	Sample Name: SE14M553003BH1-10'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	83.1	50-150	
p-Terphenyl	8015 mod.	94.4	50-150	
1,2-Dichloroethane-d4	8260b	84.4	65-115	
Toluene-d8	8260b	117	50-120	

Exceptions Report:

Report #/Lab ID#: 143614Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00134 14 Main Line #5Sample Name: SE14M553003BH1-10'

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 $\leq 6^{\circ}$ C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	Austin, TX Corpus C X (512) 3	78744 hristi, T 85-7411	& X 78408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:2100 Ave. O EunicePhone:(505) 394-3481FAX:	NM 88231 394-2601		Report#/Lab ID#: 143615 Report Date: 06/13 Project ID: 2003-00134 14 Main Line #5 Sample Name: SE14M553003BH1-20' Sample Matrix: soil Date Received: 06/06/2003 Time: 10:30 Date Sampled: 05/30/2003 Time: 09:50					06/13/03			
REPORT OF ANALYSIS	_						OUALITY	ASSUR	ANCE DA	ATA 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)	16.2	mg/Kg	5	<5	06/12/03	8015 mod.		14.5	72	105.6	78.5
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		17.2	72	105.3	76.6
Volatile organics-8260b/BTEX					06/09/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b		9.4	84.5	92.8	90.5
Toluene < 20 $\mu g/Kg$ 20 < 20 < 20 < 20 $< 8260b$ $$ 9.4 84.5 92.8 90.5 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.1. Quality assurance data is for the sample batch which included this sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) difference between duplicate measurements. 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 and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M =Matrix interference.							te value f analyte ults are mits vers quired ected in vS) higher				



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Client:	Environmental Plus, Inc.	Project ID: 2003-00134 14 Main Line #5	Report#/Lab ID#: 143615
Attn:	Pat McCasland	Sample Name: SE14M553003BH1-20'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.2	50-150	
p-Terphenyl	8015 mod.	77.9	50-150	
1,2-Dichloroethane-d4	8260b	84.5	65-115	
Toluene-d8	8260b	107	50-120	

CnalySys						351 220 (51)	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 hristi, T 85-7411	& X 78408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:2100 Ave. O EunicePhone:(505) 394-3481FAX:(505)	NM 88231) 394-2601		Report#/Lab ID#: 143616 Report Date: 06/13/03 Project ID: 2003-00134 14 Main Line #5 Sample Name: SE14M553003BH2-2' Sample Matrix: soil Date Received: 06/06/2003 Time: 10:30 Date Sampled: 05/30/2003 Time: 10:30								
REPORT OF ANALYSIS	· · · · · · · · · · · · · · · · · · ·						QUALITY	ASSUR	ANCE DA	TA 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)	26600	mg/Kg	500	<500	06/12/03	8015 mod.		14.5	72	105.6	78.5
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	13200	mg/Kg	500	<500	06/12/03	8015 mod.		17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	***				06/09/03	8260b					
Benzene	6690	µg/Kg	5000	<5000	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	75800	µg/Kg	5000	<5000	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	155000	µg/Kg	5000	<5000	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	57600	µg/Kg	5000	<5000	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	68900	µg/Kg	5000	<5000	06/09/03	8260b		9.4	84.5	92.8	90.5
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. © 1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) of analyte 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. 1. Quality assurance (%) ecovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (PQL) of the analytical method. 6. Method numbers expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (PQL) of the analytical method. 6. Method numbers expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (PQL) of the analytical method. 6. Method numbers expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (PQL) of the analytical method. 6. Method numbers expressed as the percent (%) recovery of analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.							te value f analyte ults are mits ers puired excted in S) iigher				



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

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 • FAX (512) 385-7411

Client:	Environmental Plus, Inc.	Project ID: 2003-00134 14 Main Line #5	Report#/Lab ID#: 143616
Attn:	Pat McCasland	Sample Name: SE14M553003BH2-2'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

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

Exceptions Report:

Report #/Lab ID#: 143616Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00134 14 Main Line #5Sample Name: SE14M553003BH2-2'

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

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

Comments pertaining to Data Qualifiers and QC data:

Notes:

						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 a hristi, TX 85-7411	& X 78408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:2100 Ave. O EunicePhone:(505) 394-3481FAX:(505)	NM 88231 394-2601		Report#/Lab ID#: 143617 Report Date: 06/13/03 Project ID: 2003-00134 14 Main Line #5 Sample Name: SE14M553003BH2-5' Sample Matrix: soil Date Received: 06/06/2003 Time: 10:30 Date Sampled: 05/30/2003 Time: 10:50								
REPORT OF ANALYSIS			2025				OUALITY	ASSUR	ANCE DA	ATA ¹	
Parameter	Result	Units	RQL ³	Blank	Date	Method ⁶	Data Qual '	Prec. ⁴	Recov.3	CCV ⁴	LCS*
TPH by GC (as diesel)	512	mg/Kg	5	<5	06/12/03	8015 mod.		14.5	72	105.6	78.5
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	5.59	mg/Kg	5	<5	06/12/03	8015 mod.		17.2	72	105.3	76.6
Volatile organics-8260b/BTEX					06/09/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	J	3.5	101.5	94.6	100.4
m,p-Xylenes	37.9	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b	J	3.5	103.3	95.2	105.8
Toluene	28.9	µg/Kg	20	<20	06/09/03	8260b		9.4	84.5	92.8	90.5
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my km are consistent with AnalySys, Inc.'s Quality Assurance Copyright 2000, AnalySys, Inc., Austin, TX. All rigil publication may be reproduced or transmitted in any for express written consent of AnalySys, Inc.	lySys, Inc. The o owledge, the anai e/Quality Contro its reserved. No orrm or by any me espectfully Su hord f Richard Laste	enclosed results lytical results l Program. © part of this eans without the bmitted,	 closed results closed results recovered from a spiked sample. a claibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) of enalyte from a known standard or matrix. closed results recovered from a spiked sample. claibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. closed results recovered from a spiked sample. claibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. claibration Limit (PQL) of the analytical method. claibration Limit (PQL) of the analytical method. dilutions. That 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. 								



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Client:	Environmental Plus, Inc.	Project ID: 2003-00134 14 Main Line #5	Report#/Lab ID#: 143617
Attn:	Pat McCasland	Sample Name: SE14M553003BH2-5'	Sample Matrix: soil

<u>REPORT OF SURROGATE RECOVERY</u>

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	75.4	50-150	
p-Terphenyl	8015 mod.	102	50-150	
1,2-Dichloroethane-d4	8260b	78	65-115	
Toluene-d8	8260b	104	50-120	

Exceptions Report:

Report #/Lab ID#: 143617Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00134 14 Main Line #5Sample Name: SE14M553003BH2-5'

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 $\leq 6^{\circ}$ C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Ethylbenzene	1	See J-flag discussion above.
o-Xylene	J	See J-flag discussion above.
Notes:		

						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 a hristi, T 85-7411	& X 78408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:2100 Ave. O EunicePhone:(505) 394-3481FAX:(505)	NM 88231					Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	D#: 143618 03-00134 14 M SE14M553003 soil 06/06/2003 05/30/2003	Repo ain Line a BH2-10 Time: Time:	10:30 11:20)6/13/03	
REPORT OF ANALYSIS	D. K	TT	DOI 5	Dissil	Dete	M-41-16	QUALITY	ASSUR	ANCE DA	<u>LTA</u> 1	T CC4
Parameter	Result	Units	RQL	Blank	Date	Method •	Data Qual'	Prec. ²	Recov.	CCV-	LCS ⁻
TPH by GC (as diesel)	873	mg/Kg	5	<5	06/12/03	8015 mod.		14.5	72	105.6	78.5
TPH by GC (as dissel-ext)		 ma/Ka	5		06/12/03	3340 8015 mod		17.2	72	105.3	76.6
		nig/kg			00/12/03	00101100.		17.2	12	105.5	70.0
Volatile organics-8260b/BTEX					06/09/03	82606					
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b	J	3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	21.7	µg/Kg	20	<20	06/09/03	8260b	****	9.4	84.5	92.8	90.5
This analytical report is respectfully submitted by An have been carefully reviewed and, to the best of my k are consistent with AnalySys, Inc.'s Quality Assuran Copyright 2000, AnalySys, Inc., Austin, TX. All rig publication may be reproduced or transmitted in any express written consent of AnalySys, Inc.	alySys, Inc. The onowledge, the ana ce/Quality Contro this reserved. No form or by any met despectfully Su control of the second	enclosed results lytical results l Program. © part of this eans without the bmitted,	i I. Qual of the r recover express (RQL), typical dilution associa recover than ad	lity assurance de lelative percent (red from a spike sed as the percent , typically at or ly denote USEP. ns. 7. Data Qu ted method blar ry exceeds advis lvisory limit. M	ata is for the sa %) difference d sample. nt (%) recover above the Pra A procedures. alifiers are J = nk(s). S1 =MS ory limit. S3 =Matrix inter	ample batch which includ between duplicate measure 4. Calibration Verification y of analyte from a known ctical Quantitation Limit Less than ("<") values re analyte potentially present and/or MSD recovery ex =MS and/or MSD and PE ference.	led this sample. rements. 3. Reco n (CCV) and Lab- n standard or math (PQL) of the ana flect nominal quan nt between the PQ cceed advisory lin DS recoveries exce	2. Precisio overy (Reco oratory Co rix. 5. Re lytical met ntitation lin QL and the nits. S2 =P ced advisor	n (PREC) is ov.) is the per ntrol Sample porting Quar hod. 6. Met nits adjusted MDL. B = A 'ost digestion y limits. P =	the absolut cent (%) o (LCS) resu- titation Lin- thod numb for any rec- nalyte dete spike (PD Precision h	te value f analyte ults are mits ers uuired exted in S) higher



 3512 Montopolis Drive, Austin, TX 78744 &

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

 (512) 385-5886
 • FAX (512) 385-7411

Client:	Environmental Plus, Inc.	Project ID: 2003-00134 14 Main Line #5	Report#/Lab ID#: 143618
Attn:	Pat McCasland	Sample Name: SE14M553003BH2-10'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	84.5	50-150	
p-Terphenyl	8015 mod.	98.2	50-150	
1,2-Dichloroethane-d4	8260b	71.3	65-115	
Toluene-d8	8260b	97.5	50-120	

Exceptions Report:

Report #/Lab ID#: 143618Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00134 14 Main Line #5Sample Name: SE14M553003BH2-10'

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 $\leq 6^{\circ}$ C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

G nary S ys						351 220 (513	2 Montopolis 9 N. Padre Isls 2) 385-5886	Drive, Au ind Dr., C • FAX	stin, TX Corpus Ch ((512) 38	78744 & risti, TX 5-7411	78408
Client: Environmental Plus, Inc. Attn: Pat McCasland						Report#/Lab ID Project ID: 200)#: 143619 3-00134 14 Ma	Repor in Line #:	t Date: 0 S	6/13/03	
Address: 2100 Ave. O						Sample Name: S	SE14M553003	BH2-15'			
Eunice	NM 88231					Sample Matrix: Date Received:	soil 06/06/2003	Time:	10:30		
Phone: (505) 394-3481 FAX: (505)) 394-2601					Date Sampled:	05/30/2003	Time:	11:45		
REPORT OF ANALYSIS							OUALITY	ASSURA	NCE DA	<u>TA</u> 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)	Ŷ	mg/Kg	5	≎	06/11/03	8015 mod.		14.5	72	105.6	78.5
TPH by GC (as diesel-ext)	1	1			06/11/03	3540		1			
TPH by GC (as gasoline)	\$	mg/Kg	5	Ş	06/11/03	8015 mod.	-	17.2	72	105.3	76.6
Volatile organics-8260b/BTEX	-		1		06/09/03	8260b					1
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b	1	8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b	1	3.5	101.5	94.6	100.4
m,p-Xylenes	2 0	μg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
⊳-Xylene	2 0	µg/Kg	20	<20	06/09/03	8260b	ł	3.5	103.3	95.2	105.8
[] Toluene	<20	μg/Kg	20	<20	06/09/03	8260b	•	9.4	84.5	92.8	90.5
This analytical report is respectfully submitted by And have been carefully reviewed and, to the best of my kn are consistent with AnalySys, Inc.'s Quality Assuranc Copyright 2000, AnalySys, Inc., Austin, TX. All rig publication may be reproduced or transmitted in any fierdness written consent of AnalySys, Inc. R	alySys, Inc. The nowledge, the ana ce/Quality Contro phts reserved. No orm or by any me tespectfully Su tespectfully Su Richard Laste	anclosed results hyrical results part of this ans without the brnitted,	 1. Qual of the r recover c (RQL), typicall dilution associal associal than ad 	ity assurance d elative percent (red from a spike ed as the percet y denote USEP is. 7. Data Qu ted method blar ted method blar visory limit. M	ata is for the sau (%) difference b d sample. 4 d sample. 4 d source the Prace above the Prace above the Prace altifiers are J = d strist. S1 = MS ory limit. S3 = ory limit. S3	nple batch which includ ecween duplicate measur . Calibration Verification of analyte from a knowr tical Quantitation Limit Less than ("<") values rel malyte potentially preser and/or MSD recovery ex MS and/or MSD and PD erence.	ed this sample. ements. 3, Reco a (CCV) and Labc n standard or matri (PQL) of the anal flect nominal quan to between the PQ ceed advisory lim S recoveries exce	2. Precision very (Recover vertory Cortor ix. 5. Repo ix. 5. Repo titation limit titation limit L and the M L and the M sits. S2 = Poo ed advisory	(PREC) is the period of the period of the period of the period sample (orting Quant out of 0. Method of 0. Method 10L. $B = Ant MDL$.	he absolute ent (%) of LCS) resul LCS) resul itation Lim itation Lim itation Lim or any requ alyte detec spike (PDS recision hi	value analyte its are its its ited in ted in gher


Client:	Environmental Plus, Inc.	Project ID: 2003-00134 14 Main Line #5	Report#/Lab ID#: 143619
Attn:	Pat McCasland	Sample Name: SE14M553003BH2-15'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	83	50-150	
p-Terphenyl	8015 mod.	63.3	50-150	
1,2-Dichloroethane-d4	8260b	83.1	65-115	
Toluene-d8	8260b	102	50-120	

AnalySys						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus Cl X (512) 3	78744 d hristi, T 85-7411	& X 78408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O						Report#/Lab II Project ID: 200 Sample Name:	D#: 143620 03-00134 14 M SE14M553003	Repo ain Line # 3BH3-2'	ort Date: (#5	06/13/03	
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Received: Date Sampled:	06/06/2003 05/30/2003	Time: Time:	10:30 01:20		
REPORT OF ANALYSIS			E		I		OUALITY	ASSUR	ANCE DA	<u>TA</u> ¹	1
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ^o	Data Qual '	Prec. ²	Recov. ⁹	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	13400	mg/Kg	500	<500	06/12/03	8015 mod.		14.5	72	105.6	78.5
TPH by GC (as diesel-ext)				***	06/11/03	3540					
TPH by GC (as gasoline)	7670	mg/Kg	500	<500	06/12/03	8015 mod.		17.2	72	105.3	76.6
Volatile organics-8260b/BTEX					06/10/03	8260b					
Benzene	1920	µg/Kg	100	<100	06/10/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	50400	µg/Kg	5000	<5000	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	106000	µg/Kg	5000	<5000	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	39800	µg/Kg	5000	<5000	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	37800	µg/Kg	5000	<5000	06/09/03	8260b		9.4	84.5	92.8	90.5
This analytical report is respectfully submitted by Anal have been carefully reviewed and, to the best of my knd are consistent with AnalySys, Inc.'s Quality Assurance Copyright 2000, AnalySys, Inc., Austin, TX. All righ publication may be reproduced or transmitted in any for express written consent of AnalySys, Inc.	ySys, Inc. The e owledge, the anal /Quality Control ts reserved. No rm or by any me espectfully Sul hand J Richard Laste	enclosed result ytical results I Program. © part of this ans without th bmitted,	s 1. Qual of the r recover express e (RQL), typicall dilutior associa recover than ad	ity assurance de elative percent (ed from a spike ed as the percen typically at or y denote USEP is. 7. Data Qu ted method blar y exceeds advis visory limit. M	ata is for the sa (%) difference (d sample. nt (%) recover above the Pra A procedures. alifiers are J = nk(s). S1 = MS ory limit. S3 = Matrix inter	ample batch which includ between duplicate measu 4. Calibration Verificatio y of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery es =MS and/or MSD and PE ference.	led this sample. rements. 3. Reco n (CCV) and Lab n standard or mati (PQL) of the ana flect nominal qua nt between the PC cceed advisory lin DS recoveries exce	2. Precisio overy (Reco oratory Co rix. 5. Re lytical met ntitation lin 2L and the nits. S2 =P eed advisor	n (PREC) is ov.) is the per ntrol Sample porting Quan hod. 6. Met nits adjusted MDL. B=A 'ost digestion y limits. P=	the absolu ccent (%) o (LCS) result titation Li thod numb for any rec nalyte dete spike (PD Precision h	ite value of analyte ults are mits ers quired ected in DS) higher



Client:	Environmental Plus, Inc.	Project ID: 2003-00134 14 Main Line #5	Report#/Lab ID#: 143620
Attn:	Pat McCasland	Sample Name: SE14M553003BH3-2'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	none/diluted	diluted @ 50X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	114	65-115	
Toluene-d8	8260b	112	50-120	

Report #/Lab ID#: 143620Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00134 14 Main Line #5Sample Name: SE14M553003BH3-2'

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

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

Comments pertaining to Data Qualifiers and QC data:

Notes:

Analys ys						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 hristi, T 85-7411	& X 78408
Client: Environmental Plus, Inc. Attn: Pat McCasland						Report#/Lab II Project ID: 200	D#: 143621 03-00134 14 M	Repo ain Line	ort Date: (#5	06/13/03	
Address: 2100 Ave. O Eunice	NM 88231					Sample Name: Sample Matrix: Data Pagaiyada	SE14M553003 : soil . 06/06/2003	BH3-5'	10.30		
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Sampled:	05/30/2003	Time:	01:40		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	<u>ATA</u> 1	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		14.5	72	105.6	78.5
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		17.2	72	105.3	76.6
Volatile organics-8260b/BTEX					06/09/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b		9.4	84.5	92.8	90.5
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 Richard Laster						te value f analyte ults are mits vers quired ected in (S) nigher					



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

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 • FAX (512) 385-7411

Client:	Environmental Plus, Inc.	Project ID: 2003-00134 14 Main Line #5	Report#/Lab ID#: 143621
Attn:	Pat McCasland	Sample Name: SE14M553003BH3-5'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	79.5	50-150	
p-Terphenyl	8015 mod.	81.1	50-150	
1,2-Dichloroethane-d4	8260b	81.1	65-115	
Toluene-d8	8260b	99	50-120	

<u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u>						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	Corpus C X (512) 3	78744 hristi, T 85-7411	& X 7840
Client: Environmental Plus, Inc.						Report#/Lab II)#: 143622	Repo	ort Date: (06/13/03	
Attn: Pat McCasland						Project ID: 200	3-00134 14 M	ain Line	#5		
Address: 2100 Ave. O						Sample Name:	SE14M553003	BH3-10	•		
Eunice	NM 88231					Sample Matrix:	soil				
						Date Received:	06/06/2003	Time	10:30		
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Sampled:	05/30/2003	Time:	02:15		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	ATA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		14.5	72	105.6	78.5
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		17.2	72	105.3	76.6
Volatile organics-8260b/BTEX					06/09/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b		9.4	84.5	92.8	90.5
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my kn are consistent with AnalySys, Inc.'s Quality Assurance Copyright 2000, AnalySys, Inc., Austin, TX. All righ publication may be reproduced or transmitted in any for express written consent of AnalySys, Inc.	lySys, Inc. The o owledge, the anal e/Quality Contro nts reserved. No orm or by any me espectfully Sul hard J Richard Laste	enclosed results lytical results l Program. © part of this cans without the bmitted,	s I. Quai of the r recover express (RQL), typical dilution associa recover than ad	ity assurance da elative percent (red from a spike and as the percent typically at or by denote USEP is. 7. Data Qu ted method blar y exceeds adviss visory limit. M	ata is for the sa (%) difference cd sample. nt (%) recover above the Pra A procedures. alifiers are J = nk(s). S1 =MS sory limit. S3 (=Matrix inter	ample batch which includ between duplicate measu 4. Calibration Verificatio y of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese 6 and/or MSD recovery er =MS and/or MSD and PE ference.	led this sample. rements. 3. Recc n (CCV) and Lab n standard or math (PQL) of the ana flect nominal qua nt between the PC (ceed advisory lin DS recoveries exco	2. Precisic overy (Rec oratory Co rix. 5. Re lytical met ntitation lin QL and the nits. S2 =F ced advisor	n (PREC) is ov.) is the per ntrol Sample porting Quar hod. 6. Me mits adjusted MDL. B=A Post digestion y limits. P=	the absolu rcent (%) c (LCS) res ntitation Li thod numb for any rea nalyte deta a spike (PE Precision I	te value of analyte ults are mits oers quired ected in OS) nigher



Client:	Environmental Plus, Inc.	Project ID: 2003-00134 14 Main Line #5	Report#/Lab ID#: 143622
Attn:	Pat McCasland	Sample Name: SE14M553003BH3-10'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	77.5	50-150	
p-Terphenyl	8015 mod.	79.8	50-150	
1,2-Dichloroethane-d4	8260b	83.9	65-115	
Toluene-d8	8260Ъ	101	50-120	

M	7AL	76	45
			INE.

Client: Environmental Plus, Inc.

Pat McCasland

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

Inc.						Report#/Lab II Project ID: 200)#: 143623 3-00134 14 Ma	Repo # ain Line	rt Date: (#5	06/13/03	
						Sample Name:	SE14M553003	BH3-15'			
	NM 88231					Sample Matrix:	soil				
						Date Received:	06/06/2003	Time:	10:30		
FAX: (505)	394-2601					Date Sampled:	05/30/2003	Time:	03:00		
							QUALITY	ASSUR	ANCE DA	ATA ¹	
	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov.3	CCV ⁴	L
	<5	malVa	5	- 5							
		mg/r.g	5	<>	06/12/03	8015 mod.		14.5	72	105.6	
:				<5 	06/12/03	8015 mod. 3540		14.5 	72 	105.6 	
	 <5	mg/Kg	5 5		06/12/03 06/11/03 06/12/03	8015 mod. 3540 8015 mod.		14.5 17.2	72 72	105.6 105.3	

REPORT OF ANALYSIS

Phone: (505) 394-3481

Address: 2100 Ave. O Eunice

Attn:

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	***	14.5	72	105.6	78.5
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		17.2	72	105.3	76.6
Volatile organics-8260b/BTEX					06/09/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b		9.4	84.5	92.8	90.5
This analytical report is respectfully submitted by Analhave been carefully reviewed and, to the best of my knd are consistent with AnalySys, Inc.'s Quality Assurance Copyright 2000, AnalySys, Inc., Austin, TX. All righ publication may be reproduced or transmitted in any for express written consent of AnalySys, Inc.	10/uene < 20 $\mu g/Kg$ 20 < 20 < 20 < 20 < 20 $< 8260b$ $$ 9.4 84.5 92.8 90.5 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.1. Quality assurance data is for the sample batch which included this 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 and PDS recovery exceed advisory limits. P =Precision higher recovery exceeds advisory limit. M =Matrix interference.9.484.592.890.5										



Client:	Environmental Plus, Inc.	Project ID: 2003-00134 14 Main Line #5	Report#/Lab ID#: 143623
Attn:	Pat McCasland	Sample Name: SE14M553003BH3-15'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.9	50-150	
p-Terphenyl	8015 mod.	82.8	50-150	
1,2-Dichloroethane-d4	8260b	84.9	65-115	
Toluene-d8	8260b	104	50-120	

Send Repor To:			Bill t	0 (if)	diffei	:):								an A	-		••••••••••••••••••••••••••••••••••••••
Company Name Environme	ental	Plus	_ Com	pany	Namo	E	IT EN	- gy	/			422	21 Fre	idrich	Lane	, Suite 190, A	Austin, TX 78744
Address 2100 AUR O			_ Addr	ess _	580.	5 1	144 80	· · ·							(5	2,411,5070	
City Eurice State	In Zip	88231	_ City	Mia	Hand	<u> </u>	State <u>75</u>	< Z	ip <u>/</u> 2	79/	01		,				
ATTN: Far MCastan	J		_ ATT	N: 🟒	Cran	K I	Hernland	ez.					/	Aı	baly	ses Requ	ested (1)
Phone 505 - 394-348/Fax	<u>505-34</u>	<u>4 260</u>	⊳∕ Phon		- 63	88.37	297 Fax		_				Ple	ase all	ach ex	planatory info	rmation as required
tush Status (must be confirmed with lab mgr.):																	
Project Name/PO#:	10134	Sampl	ler: <i>B</i>	adle	y F	U_				W	23			/ /		///	/
14 miAini	UNE #5			، 	r	·····					Q.		/				
Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soll	Water	Waste	Lab I.D. # (Lab only)			D D						C	mments
SE14M 553003BHI-2	5-30-0	5 7:30		Х			143612	Х	X								
SE14M553003BH1-5	5-30.03	7:45	l	X	 		143613	X	X								
SE14M 553003 BH1-10	5.30.3	8:20		λ			143614	X	\times								
SEHM553003BH1.20	5.30.03	9:50	1	\times		ļ	143615	X	\times								
SE1414553003BH2-2	5-30-03	10:30	1	X	<u> </u>		143616	X	X								
SE14M55303BH2-5	5-30-03	10:50	1	\times		<u> </u>	143617	X	X								
SE14M553003BH2-10'	5-70.03	11:20	1	X		1	143618	X	X								
SE1411553003BH2-15	53000	11:45	1	X			143619	$ \lambda $	X								
SE14M553003BH3-2	5-30-03	1:20	1	$ \chi $			143620	ίχ.	λ								
SEKIN553003 BH3-5	5-30-03	1:40	· /	λ			143621	X	X								

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4300

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

							<u> </u>	
	Sample Relinquish	ed By			ved By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time	
Bealler Blan	ENVironhearte Plus	5.30.03		melanie Hen	John ASI	6/6/03	10:30	
				· · · · · ·	0			

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

Send Repor (o: Company Name <u>Environ ne</u> Address <u>2100</u> Ave 0 City <u>Eunice</u> Staten ATTN: <u>Por M^c Costand</u> Phone <u>565-394-348</u> Fax <u>2</u>	WTQ/ ¥ 1.MZip 505-393	145 88231 1-2601	Bill to Comp Addr City ATT Phon	o (if) oany ess <i>M/3</i> N: e <u>9/2</u>	differ Namo 5 90 Iland Frank 5-63	1): 25 A Ale 8-37	<u>17 Energ</u> 1414 80 	<u>ب</u> Z	ip _2	970	/	4221 Freidrich Lane, Suite 19 (512) 444-5 - - - - - - - - - - - - - - - - -			IIIL. e, Suite 190, Austin, TX 78744 12) 444-5896 ses Requested (1) relanatory information as required	
Rush Status (must be confirmed with lab mgr.):																
Project Name/PU#: <u>2003 · «</u>	9 6 1 3 4	Samp	ler: <u>Sza</u>	<u>dly</u>	1 <u>B</u>		·				Ì	/	/		/	
Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)			bet .						Comments
SE14M553003BH3-10	\$ <u>5-30-</u> 3	2:15		λ			143622	X	\times							
SE14M553973BH3-15	5-30-53	3:00		λ			143623	χ	X							
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(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 c ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

						<u> </u>		
	Sample Relinquishe	d By			ed By			
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time	
Brate Bla	Environmental Plus	5-30-03		melanie ton	John ASI	6/6/03	10:30	
	, ~			,				

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

						351 220 (51)	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	Austin, TX Corpus C X (512) 3	78744 hristi, T 85-7411	& X 78408
Client: Environmental Plus, Inc.						Report#/Lab II)#: 143624	Repo	ort Date: (06/16/03	
Attn: Pat McCasland						Project ID: 200	3-00134				
Address: 2100 Ave. O						Sample Name:	SE14M56203B	3H4-2'			
Eunice	NM 88231					Sample Matrix:	soil				
						Date Received:	06/06/2003	Time:	: 10:30		
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Sampled:	06/02/2003	Time:	: 07:50		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	<u>ATA</u> 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)	20400	mg/Kg	500	<500	06/12/03	8015 mod.		14.5	72	105.6	78.5
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	11300	mg/Kg	500	<500	06/12/03	8015 mod.		17.2	72	105.3	76.6
Volatile organics-8260b/BTEX					06/10/03	8260b					
Benzene	3560	µg/Kg	100	<100	06/10/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	69400	µg/Kg	5000	<5000	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	148000	µg/Kg	5000	<5000	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	56600	µg/Kg	5000	<5000	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	53200	µg/Kg	5000	<5000	06/09/03	8260b		9.4	84.5	92.8	90.5
Foluene 53200 $\mu g/Kg$ 5000 <5000 $06/09/03$ $8260b$ $$ 9.4 84.5 92.8 90.5 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.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 and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M =Matrix interference.											



· · · ·			
Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143624
Attn:	Pat McCasland	Sample Name: SE14M56203BH4-2'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	none/diluted	diluted @ 50X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	111	65-115	
Toluene-d8	8260b	109	50-120	

Report #/Lab ID#: 143624 Matrix: soil Client: Environmental Plus, Inc. Project ID: 2003-00134 Sample Name: SE14M56203BH4-2'

Attn: Pat McCasland

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

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

Comments pertaining to Data Qualifiers and QC data:

Notes:

Analys ys						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 hristi, T 85-7411	& X 78408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice				Report#/Lab II Project ID: 200 Sample Name: Sample Matrix:	D#: 143625)3-00134 SE14M56203E : soil	Керо 3H4-5 Т	ort Date: (06/16/03			
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Received: Date Sampled:	06/02/2003	Time: Time:	08:10		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	<u>ATA</u> 1	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov.3	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.	J	3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/09/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	· <20	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b		9.4	84.5	92.8	90.5
Toluene <20				lity assurance d elative percent (red from a spike sed as the percee , typically at or ly denote USEP ns. 7. Data Qu ted method blan ry exceeds advis lvisory limit. M	ata is for the sa (%) difference cd sample. nt (%) recover above the Pra A procedures. ualifiers are J = nk(s). S1 =MS sory limit. S3 I =Matrix inter	ample batch which includ between duplicate measur 4. Calibration Verificatio y of analyte from a known ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery ex =MS and/or MSD and PE ference.	led this sample. rements. 3. Record n (CCV) and Lab n standard or mate (PQL) of the ana flect nominal qua nt between the PC acceed advisory lin DS recoveries exce	2. Precisic overy (Reco oratory Co rix. 5. Re lytical met ntitation lin 2L and the nits. S2 =F eed advisor	n (PREC) is ov.) is the per ntrol Sample porting Quar hod. 6. Me mits adjusted MDL. B = A Post digestion y limits. P =	the absolu rccent (%) o (LCS) res- ntitation Li thod numb for any rec nalyte deto a spike (PD Precision h	te value f analyte ults are mits vers quired ected in vS) nigher



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

 (512) 385-5886
 • FAX (512) 385-7411

Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143625
Attn:	Pat McCasland	Sample Name: SE14M56203BH4-5	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	81.3	50-150	
p-Terphenyl	8015 mod.	89.3	50-150	
1,2-Dichloroethane-d4	8260b	79.5	65-115	
Toluene-d8	8260b	101	50-120	

Report #/Lab ID#: 143625Matrix: soilClient: Environmental Plus, Inc.AProject ID: 2003-00134ASample Name: SE14M56203BH4-5

Attn: Pat McCasland

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

AnalySys	351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	Corpus Cl X (512) 3	78744 a hristi, T 85-7411	& X 78408						
Client: Environmental Plus, Inc.	·····					Report#/Lab II	Report#/Lab ID#: 143626 Report Date: 06/16/03					
Attn: Pat McCasland				Project ID: 200	3-00134							
Address: 2100 Ave. O						Sample Name:	SE14M56203E	3H4-10'				
Eunice	NM 88231					Sample Matrix:	: soil					
						Date Received:	06/06/2003	Time:	10:30			
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Sampled:	06/02/2003	Time:	08:40			
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	ATA ¹		
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴	
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		3.8	87.6	95.6	91.3	
TPH by GC (as diesel-ext)					06/11/03	3540						
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7	
Volatile organics-8260b/BTEX					06/09/03	8260b						
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9	
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4	
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6	
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	103.3	95.2	105.8	
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b		9.4	84.5	92.8	90.5	
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my kno are consistent with AnalySys, Inc.'s Quality Assurance Copyright 2000, AnalySys, Inc., Austin, TX. All righ publication may be reproduced or transmitted in any for express written consent of AnalySys, Inc.	1. Qual of the r recover express (RQL), typicall dilution associa recover than ad	ity assurance de elative percent (red from a spike ed as the percent typically at or y denote USEP as. 7. Data Qu ted method blar y exceeds adviss visory limit. M	ata is for the sa (%) difference I ed sample. 4 nt (%) recovery above the Prace A procedures. alifiers are J = nk(s). S1 = MS sory limit. S3 = I = Matrix interf	mple batch which includo between duplicate measure calibration Verification of analyte from a known stical Quantitation Limit Less than ("<") values re analyte potentially present and/or MSD recovery ex- MS and/or MSD and PD between ce.	led this sample. rements. 3. Reco n (CCV) and Labo n standard or matr (PQL) of the ana flect nominal quan nt between the PQ ceeed advisory lim pS recoveries exce	2. Precisio overy (Reco oratory Co rix. 5. Re lytical meti ntitation lin QL and the nits. S2 =P ced advisor	n (PREC) is by.) is the per ntrol Sample porting Quan hod. 6. Met nits adjusted MDL. B = A: ost digestion y limits. P =]	the absolu cent (%) o (LCS) resu titation Lin thod numb for any req nalyte dete spike (PD Precision h	te value f analyte ults are mits ers uuired ected in S) nigher			



 3512 Montopolis Drive, Austin, TX 78744 &

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

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 • FAX (512) 385-7411

Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143626
Attn:	Pat McCasland	Sample Name: SE14M56203BH4-10'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	87.5	50-150	
p-Terphenyl	8015 mod.	95.4	50-150	
1,2-Dichloroethane-d4	8260b	87.6	65-115	
Toluene-d8	8260b	104	50-120	

						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus Cl X (512) 3	78744 d hristi, TJ 85-7411	& X 78408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice NM 88231 Phone: (505) 394-3481 FAX: (505) 394-2601						Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	0#: 143627 3-00134 SE14M56203I soil 06/06/2003 06/02/2003	Repo 3H4-15' Time: Time:	10:30 09:00)6/16/03	
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	TA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/09/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b		9.4	84.5	92.8	90.5
This analytical report is respectfully submitted by An have been carefully reviewed and, to the best of my kn are consistent with AnalySys, Inc.'s Quality Assurant Copyright 2000, AnalySys, Inc., Austin, TX. All rig publication may be reproduced or transmitted in any f express written consent of AnalySys, Inc.	 I. Qual of the r recover express (RQL), typicall dilution associa recover than ad 	lity assurance da elative percent (red from a spike sed as the percent , typically at or ly denote USEP. ns. 7. Data Qu ted method blar ry exceeds advis lvisory limit. M	ata is for the sa %) difference d sample. tt (%) recover above the Pra A procedures. alifiers are J = ek(s). S1 =MS ory limit. S3 =Matrix inter	umple batch which includ between duplicate measu 4. Calibration Verificatio y of analyte from a know, ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery ex =MS and/or MSD and PE ference.	led this sample. rements. 3. Reco n (CCV) and Lab n standard or math (PQL) of the ana flect nominal qua nt between the PC acced advisory lin S recoveries exce	2. Precisic overy (Reco oratory Co rix. 5. Re lytical met ntitation lin 2L and the nits. S2 = F sed advisor	on (PREC) is box.) is the pear ntrol Sample porting Quar hod. 6. Me mits adjusted MDL. B=A Post digestion y limits. P =	the absolut cent (%) of (LCS) resu titation Lin thod numb for any req nalyte dete spike (PD Precision h	te value f analyte alts are mits ers juired acted in (S) higher		



Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143627
Attn:	Pat McCasland	Sample Name: SE14M56203BH4-15'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	81.9	50-150	
p-Terphenyl	8015 mod.	86.4	50-150	
1,2-Dichloroethane-d4	8260b	84.1	65-115	
Toluene-d8	8260Ъ	100	50-120	

D^{naly}S ^{ys}				3512 Montopolis Drive, Austin, TX 78744 & 2209 N. Padre Island Dr., Corpus Christi, TX 78408 (512) 385-5886 • FAX (512) 385-7411							
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:2100 Ave. O EunicePhone:(505) 394-3481FAX:(505)				Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	D#: 143628)3-00134 SE14M56203I : soil 06/06/2003 06/02/2003	Repo 3H5-2' Time: Time:	e 10:30 09:15)6/16/03			
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	<u>\TA</u> 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)	9760	mg/Kg	500	<500	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	6570	mg/Kg	500	<500	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/10/03	8260b					
Benzene	3470	µg/Kg	100	<100	06/10/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	50200	µg/Kg	5000	<5000	06/10/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	105000	µg/Kg	5000	<5000	06/10/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	38700	µg/Kg	5000	<5000	06/10/03	8260b		3.5	103.3	95.2	105.8
Toluene	42100	µg/Kg	5000	<5000	06/10/03	8260b		9.4	84.5	92.8	90.5
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my kn are consistent with AnalySys, Inc.'s Quality Assurance Copyright 2000, AnalySys, Inc., Austin, TX. All righ publication may be reproduced or transmitted in any for express written consent of AnalySys, Inc.	1. Qua of the 1 recove express (RQL) typical dilution associa recove than action	lity assurance di red from a spike sed as the percent , typically at or ly denote USEP ns. 7. Data Qu ated method blan ry exceeds advis lvisory limit. M	ata is for the sa (%) difference ad sample. nt (%) recover above the Pra A procedures. alifiers are J = nk(s). S1 =MS sory limit. S3 =Matrix inter	ample batch which includ between duplicate measu 4. Calibration Verificatio y of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery ep =MS and/or MSD and PD ference.	led this sample. rements. 3. Recc n (CCV) and Lab n standard or mata (PQL) of the ana flect nominal quan nt between the PC acceed advisory lin DS recoveries exce	2. Precisic overy (Reco oratory Co rix. 5. Re lytical met ntitation lin lL and the nits. S2 =F sed advisor	on (PREC) is ov.) is the per ntrol Sample porting Quar hod. 6. Me mits adjusted MDL. B = A Post digestion y limits. P =	the absolu cent (%) o (LCS) resu titation Lin thod numb for any rec nalyte dete spike (PD Precision h	te value f analyte ults are mits ers juired ccted in (S) higher		



_			
Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143628
Attn:	Pat McCasland	Sample Name: SE14M56203BH5-2'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

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

Report #/Lab ID#: 143628Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00134Sample Name: SE14M56203BH5-2'

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

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

Comments pertaining to Data Qualifiers and QC data:

Notes:

						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	Austin, TX Corpus C X (512) 3	78744 a hristi, T2 85-7411	& X 78408
Client: Environmental Plus, Inc. Attn: Pat McCasland Addresses 2100 Aug Sample Name: SE14M56202BH5 51											
Eunice Phone: (505) 394-3481 FAX:	NM 88231 505) 394-2601		Sample Name: SE14M36203BH3-5 Sample Matrix: soil Date Received: 06/06/2003 Time: 10:30 Date Sampled: 06/02/2003 Time: 09:30								
REPORT OF ANALYSIS	·						QUALITY	ASSUR	ANCE DA	ATA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/09/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b		9.4	84.5	92.8	90.5
10 idene20µg/kg20202000/09/03820009.484.392.890.5This 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.1. Quality assurance data is for the sample batch which included this 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 and PDS recovery exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.					te value f analyte ults are mits ers quired ected in (S) higher						



Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143629
Attn:	Pat McCasland	Sample Name: SE14M56203BH5-5'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	78.1	50-150	
p-Terphenyl	8015 mod.	80.4	50-150	
1,2-Dichloroethane-d4	8260b	81.1	65-115	
Toluene-d8	8260b	100	50-120	

ANALYS YS						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 & hristi, T2 85-7411	& X 78408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice NM 88231				ort Date: ()6/16/03						
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Received: Date Sampled:	06/06/2003	Time: Time:	10:30		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	ATA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/09/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes	<20	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene	<20	µg/Kg	20	<20	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene	<20	µg/Kg	20	<20	06/09/03	8260b	,	9.4	84.5	92.8	90.5
Totache 9.4 94.3 92.8 90.5 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. © 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 Limits (PQL) of the analytical method. 6. Method numbers expressed as the percent (%) recovery of analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD and PDS recoveries exceed advisory limits. S2 = Post digestion spike (PDS) Richard Laster Respectfully submitted, Machine andvisory limit. M =Matrix interference. M = Matrix interference. <td>te value f analyte ults are mits ers juired ccted in (S) higher</td>					te value f analyte ults are mits ers juired ccted in (S) higher						



Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143630
Attn:	Pat McCasland	Sample Name: SE14M56203BH5-10'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	75.6	50-150	
p-Terphenyl	8015 mod.	79.7	50-150	
1,2-Dichloroethane-d4	8260b	82.1	65-115	
Toluene-d8	8260b	99.6	50-120	

<u> </u>	YS 105						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 hristi, T 85-7411	& X 78408
Client: Environmental F	lus, Inc.						Report#/Lab II)#: 143631	Repo	ort Date: (06/16/03	
Attn: Pat McCasland							Project ID: 200	03-00134				
Address: 2100 Ave. O							Sample Name:	SE14M56203I	BH5-15'			
Eunice		NM 88231					Sample Matrix	: soil				
							Date Received:	06/06/2003	Time:	10:30		
Phone: (505) 394-3481	FAX: (505)	394-2601					Date Sampled:	06/02/2003	Time:	10:20		
REPORT OF ANALYSI	<u>s</u>							QUALITY	ASSUR	ANCE DA	ATA ¹	
Parameter		Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)		<5	mg/Kg	5	<5	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)						06/11/03	3540					
TPH by GC (as gasoline)		<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTI	EX			•••		06/09/03	8260b					
Benzene		<20	µg/Kg	20	<20	06/09/03	8260b		8.1	80	80.3	82.9
Ethylbenzene		<20	µg/Kg	20	<20	06/09/03	8260b		3.5	101.5	94.6	100.4
m,p-Xylenes		<20	µg/Kg	20	<20	06/09/03	8260b		3.1	106.5	108.6	108.6
o-Xylene		<20	µg/Kg	20	<20	06/09/03	8260b		3.5	103.3	95.2	105.8
Toluene		<20	µg/Kg	20	<20	06/09/03	8260b		9.4	84.5	92.8	90.5
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 Action Consent of AnalySys, Inc. Respectfully Submitted, Richard Laster					te value f analyte ults are mits ers puired acted in vS) higher							



 3512 Montopolis Drive, Austin, TX 78744 &

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

 (512) 385-5886
 • FAX (512) 385-7411

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Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143631
Attn:	Pat McCasland	Sample Name: SE14M56203BH5-15'	Sample Matrix: soil

<u>REPORT OF SURROGATE RECOVERY</u>

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.7	50-150	
p-Terphenyl	8015 mod.	86.3	50-150	
1,2-Dichloroethane-d4	8260b	81.6	65-115	
Toluene-d8	8260b	99.3	50-120	

A naly S ys						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 d hristi, TX 85-7411	& X 78408
Client: Environmental Plus, Inc. Attn: Pat McCasland						Report#/Lab ID#: 143632 Report Date: 06/16/4 Project ID: 2003-00134 00144/552020DUC 01			06/16/03		
Address: 2100 Ave. O Eunice NM 88231 Phone: (505) 394-3481 FAX: (505) 394-2601				Sample Name: SE14M56203BH6-2' Sample Matrix: soil Date Received: 06/06/2003 Time: Date Sampled: 06/02/2003 Time:			10:30 11:30				
REPORT OF ANALYSIS					1		OUALITY	ASSUR	ANCE DA	ATA 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)	10900	mg/Kg	500	<500	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	7330	mg/Kg	500	<500	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/11/03	8260b					
Benzene	3170	µg/Kg	100	<100	06/11/03	8260b		0.9	81.3	86.4	82.1
Ethylbenzene	51600	µg/Kg	5000	<5000	06/10/03	8260b		1.3	98.3	102.3	98.5
m,p-Xylenes	101000	µg/Kg	5000	<5000	06/10/03	8260b		0.3	108.4	105.9	105
o-Xylene	36700	µg/Kg	5000	<5000	06/10/03	8260b		11.4	105.2	104.5	103.8
Toluene	43200	µg/Kg	5000	<5000	06/10/03	8260b		0.1	88.6	92.8	87.2
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc., 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											



Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143632
Attn:	Pat McCasland	Sample Name: SE14M56203BH6-2'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	none/diluted	diluted @ 50X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	110	65-115	
Toluene-d8	8260b	104	50-120	

Report #/Lab ID#: 143632Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00134Sample Name: SE14M56203BH6-2'

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

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

Comments pertaining to Data Qualifiers and QC data:

Notes:

Πηαι							351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 & hristi, Tž 85-7411	& X 78408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:2100 Ave. OEuniceNMBuniceNMBase 100 (505)394-3481FAX:(505)(505)394-2601						Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	D#: 143633 03-00134 SE14M56203F soil 06/06/2003 06/02/2003	Repo 3H6-5 Time: Time:	10:30 11:50)6/16/03		
REPORT OF	<u>ANALYSIS</u>							QUALITY	ASSUR	ANCE DA	<u>ATA¹</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)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as	diesel-ext)					06/11/03	3540					
TPH by GC (as	gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organic	s-8260b/BTEX					06/10/03	8260b					
Benzene		<20	µg/Kg	20	<20	06/10/03	8260b		0.9	81.3	86.4	82.1
Ethylbenzene		<20	µg/Kg	20	<20	06/10/03	8260b		1.3	98.3	102.3	98.5
m,p-Xylenes		<20	µg/Kg	20	<20	06/10/03	8260b		0.3	108.4	105.9	105
o-Xylene		<20	µg/Kg	20	<20	06/10/03	8260b		11.4	105.2	104.5	103.8
Toluene		<20	µg/Kg	20	<20	06/10/03	8260b		0.1	88.6	92.8	87.2
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted, Richard Laster Richard Laster												

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Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143633
Attn:	Pat McCasland	Sample Name: SE14M56203BH6-5	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers							
1-Chlorooctane	8015 mod.	81.5	50-150								
p-Terphenyl	8015 mod.	84.6	50-150								
1,2-Dichloroethane-d4	8260b	83	65-115								
Toluene-d8	8260b	99.3	50-120								
				<u></u>		351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 a hristi, TX 85-7411	& X 78408
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Client: Environmental Plus, Inc.						Report#/Lab II	D#: 143634	Repo	ort Date: (06/16/03	
Attn: Pat McCasland						Project ID: 200	3-00134				
Address: 2100 Ave. O		r				Sample Name:	SE14M56203I	3H6-10'			
Eunice	NM 88231					Sample Matrix:	: soil				
						Date Received:	06/06/2003	Time:	10:30		
Phone: (505) 394-3481 FAX: (505) 394-2601					Date Sampled:	06/02/2003	Time:	13:00		
REPORT OF ANALYSIS		<u> </u>				-	QUALITY	ASSUR	ANCE DA	<u>ATA</u> 1	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/10/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b		0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b		1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260Ъ		0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b		11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b		0.1	88.6	92.8	87.2
Toluene < 20 $\mu g/Kg$ 20 < 20 < 20 < 20 < 20 $< 06/10/03$ $< 8260b$ $$ < 0.1 < 88.6 < 92.8 < 87.2 This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.1. Quality assurance data is for the sample batch which included this 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 and PDS recovery exceed advisory limits. P = Precision higher recovery exceeds advisory limit. M =Matrix interforenceS1 =MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher recovery exceeds advisory limit. M =Matrix interforence								te value f analyte ults are mits ers puired exted in S) higher			



Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143634
Attn:	Pat McCasland	Sample Name: SE14M56203BH6-10'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	83.7	50-150	
p-Terphenyl	8015 mod.	90.4	50-150	
1,2-Dichloroethane-d4	8260b	79.5	65-115	
Toluene-d8	8260Ъ	100	50-120	

						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 hristi, T 85-7411	& X 78408
Client: Environmental Plus, Inc.	•					Report#/Lab II)#: 143635	Repo	rt Date: (06/16/03	
Attn: Pat McCasland						Project ID: 200	3-00134				
Address: 2100 Ave. O						Sample Name:	SE14M56203I	3H6-15			
Eunice	NM 88231					Sample Matrix:	soil				
						Date Received:	06/06/2003	Time:	10:30		
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Sampled:	06/02/2003	Time:	13:30		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	ATA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/10/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b		0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b		1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b		0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b		11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b		0.1	88.6	92.8	87.2
Toluene<20μg/Kg20<2006/10/038260b0.188.692.887.2This 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.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 analyt 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 (RQL), typically at or above the Practical 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 and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.								te value f analyte ults are mits eers puired ected in (S) higher			



Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143635
Attn:	Pat McCasland	Sample Name: SE14M56203BH6-15	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	82	50-150	
p-Terphenyl	8015 mod.	86.4	50-150	
1,2-Dichloroethane-d4	8260b	79.9	65-115	
Toluene-d8	8260b	101	50-120	

						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 d hristi, TX 85-7411	& X 78408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:2100 Ave. O EunicePhone:(505) 394-3481FAX:(505)	NM 88231 394-2601		Report#/Lab ID#: 143636 Report Date: 06/16/03 Project ID: 2003-00134 Sample Name: SE14M56203BH7-2' Sample Matrix: soil Date Received: 06/06/2003 Time: 10:30 Date Sampled: 06/02/2003 Time: 13:40 Date Sampled: 06/02/2003								
REPORT OF ANALYSIS	Posult	Unite	ROL 5	Blank	Data	Method 6	QUALITY	ASSUR	ANCE DA	$\frac{\mathbf{ATA}^{1}}{\mathbf{CCV}^{4}}$	ICS4
TPH by GC (as diesel) TPH by GC (as diesel-ext) TPH by GC (as gasoline) Volatile organics-8260b/BTEX Benzene Ethylbenzene m,p-Xylenes o-Xylene Toluene	787 <5 <20 83.7 109 <20 <20	mg/Kg mg/Kg µg/Kg µg/Kg µg/Kg µg/Kg µg/Kg	5 5 20 20 20 20 20 20 20	<pre></pre>	06/12/03 06/11/03 06/12/03 06/10/03 06/10/03 06/10/03 06/10/03 06/10/03	8015 mod. 3540 8015 mod. 8260b 8260b 8260b 8260b 8260b 8260b 8260b 8260b	 J	3.8 7.6 0.9 1.3 0.3 11.4 0.1	87.6 84.3 81.3 98.3 108.4 105.2 88.6	95.6 85.5 86.4 102.3 105.9 104.5 92.8	91.3 88.7 82.1 98.5 105 103.8 87.2
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my km are consistent with AnalySys, Inc.'s Quality Assurance Copyright 2000, AnalySys, Inc., Austin, TX. All righ publication may be reproduced or transmitted in any for express written consent of AnalySys, Inc.	nuene <20 $\mu g/Kg$ 20 <20 <20 <20 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <0.1 <td>te value f analyte ults are mits ers uuired exted in S) uigher</td>							te value f analyte ults are mits ers uuired exted in S) uigher			



Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#. 143636
Attn:	Pat McCasland	Sample Name: SE14M56203BH7-2'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.3	50-150	
p-Terphenyl	8015 mod.	90.8	50-150	
1,2-Dichloroethane-d4	8260b	81.4	65-115	
Toluene-d8	8260b	115	50-120	

Report #/Lab ID#: 143636Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00134Sample Name: SE14M56203BH7-2'

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
Toluene	J	See J-flag discussion above.
Notes:		

Analy 5 YS						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 d hristi, T 85-7411	& X 78408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:2100 Ave. O EunicePhone:(505) 394-3481FAX:(505)	NM 88231 394-2601					Report#/Lab ID#: 143637 Report Date Project ID: 2003-00134 Sample Name: SE14M56203BH7-5' Sample Matrix: soil Date Received: 06/06/2003 Time: 10:30 Date Sampled: 06/02/2003 Time: 13:55				06/16/03	
REPORT OF ANALYSIS	1						QUALITY	ASSUR	ANCE DA	ATA 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)	2760	mg/Kg	50	<50	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	1390	mg/Kg	50	<50	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/11/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/11/03	8260b		0.9	81.3	86.4	82.1
Ethylbenzene	17200	µg/Kg	100	<100	06/10/03	8260b		1.3	98.3	102.3	98.5
m,p-Xylenes	17900	µg/Kg	100	<100	06/10/03	8260b		0.3	108.4	105.9	105
o-Xylene	25.9	µg/Kg	20	<20	06/11/03	8260b		11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/11/03	8260Ъ	J	0.1	88.6	92.8	87.2
This analytical report is respectfully submitted by Analhave been carefully reviewed and, to the best of my known are consistent with AnalySys, Inc.'s Quality Assurance Copyright 2000, AnalySys, Inc., Austin, TX. All righ publication may be reproduced or transmitted in any for express written consent of AnalySys, Inc.	lySys, Inc. The e owledge, the anal c/Quality Control its reserved. No orm or by any me espectfully Sul hord f Richard Laste	enclosed results ytical results I Program. © part of this ans without the pritted,	20 <20						te value f analyte ults are mits ers uuired ucted in S) igher		



Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143637
Attn:	Pat McCasland	Sample Name: SE14M56203BH7-5'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	none/diluted	diluted @ 5X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	95	65-115	
Toluene-d8	8260b	104	50-120	

Report #/Lab ID#: 143637Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00134Sample Name: SE14M56203BH7-5'

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 $\leq 6^{\circ}$ C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

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

Comments pertaining to Data Qualifiers and QC data:

Notes:

ANALYSYS						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus Cl X (512) 3	78744 a hristi, T2 85-7411	& X 78408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice NM 88231						Report#/Lab II Project ID: 200 Sample Name: Sample Matrix	D#: 143638)3-00134 SE14M56203E : soil	Repo 3H7-10	ort Date: ()6/16/03	
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Received: Date Sampled:	06/06/2003	Time: Time:	10:30 14:10		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	<u>\TA</u> 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)	1160	mg/Kg	10	<10	06/13/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/10/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b		0.9	81.3	86.4	82.1
Ethylbenzene	182	µg/Kg	20	<20	06/10/03	8260b		1.3	98.3	102.3	98.5
m,p-Xylenes	203	µg/Kg	20	<20	06/10/03	8260b		0.3	108.4	105.9	105
MTBE	<100	µg/Kg	100	<100	06/10/03	8260b		11.5	88.9	110.1	92.3
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b		11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b		0.1	88.6	92.8	87.2
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted, Respectfully Submitted, Respectfully Submitted, Respectfully Submitted, Richard Laster Richard Laster							te value f analyte ults are mits ers uuired ceted in S) igher				



Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143638
Attn:	Pat McCasland	Sample Name: SE14M56203BH7-10	Sample Matrix: soil

<u>REPORT OF SURROGATE RECOVERY</u>

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	86.8	50-150	
p-Terphenyl	8015 mod.	none/diluted	diluted @ 1X	D
1,2-Dichloroethane-d4	8260b	73.5	65-115	
Toluene-d8	8260Ъ	96.1	50-120	

Report #/Lab ID#: 143638Matrix: soilClient: Environmental Plus, Inc.Attn: PaProject ID: 2003-00134Sample Name: SE14M56203BH7-10

Attn: Pat McCasland

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

Parameter	Qualif	Comment
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.
Notes:		

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<i>O</i>^{ndLy}Sys						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus Cl X (512) 3	78744 & hristi, T2 85-7411	& K 78408
Client: Environmental Plus, Inc.						Report#/Lab II)#: 143639	Repo	rt Date: (06/16/03	
Attn: Pat McCasland						Project ID: 200	3-00134	-			
Address: 2100 Ave. O						Sample Name:	SE14M56203E	BH7-15			
Eunice	NM 88231					Sample Matrix:	soil				
						Date Received:	06/06/2003	Time:	10:30		
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Sampled:	06/02/2003	Time:	14:25		
REPORT OF ANALYSIS							OUALITY	ASSUR	ANCE DA	TA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/10/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b		0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b		1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b		0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b		11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b		0.1	88.6	92.8	87.2
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted, fights reserved. The form a spiked sample. Respectfully Submitted, fights reserved. The form a spiked sample. Respectfully Submitted, fights reserved. No part of this 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 and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M =Matrix interference.						te value f analyte ults are nits ers uired cted in S) igher					



Client	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143639
Attn:	Pat McCasland	Sample Name: SE14M56203BH7-15	Sample Matrix: soil

<u>REPORT OF SURROGATE RECOVERY</u>

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	79.7	50-150	
p-Terphenyl	8015 mod.	86.4	50-150	
1,2-Dichloroethane-d4	8260b	84.9	65-115	
Toluene-d8	8260b	98	50-120	

Analy5 YS				351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus Cl X (512) 3	78744 a hristi, TX 85-7411	& X 78408		
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice NM 88231						Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received:	D#: 143640 03-00134 SE14M56203E : soil 06/06/2003	Repo 3H7-20 Time:	ort Date: (06/16/03	
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Sampled:	06/02/2003	Time:	14:40		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	<u>TA</u> 1	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/10/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b		0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b		1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260Ъ		0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b		11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260Ь		0.1	88.6	92.8	87.2
Initial control Image reg 20 20 20 200 00/10/03 02000 100 0.1 80.0 92.0 87.2 This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © 1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) of analyte 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.											

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Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143640
Attn:	Pat McCasland	Sample Name: SE14M56203BH7-20	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	74.4	50-150	
p-Terphenyl	8015 mod.	80.6	50-150	
1,2-Dichloroethane-d4	8260b	90	65-115	
Toluene-d8	8260b	105	50-120	

ΠΠαιγ	SYS ME						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 & hristi, T2 85-7411	& X 78408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice NM 88231 Phone: (505) 394-3481 FAX: (505) 394-2601						Report#/Lab II Project ID: 200 Sample Name: Sample Matrix Date Received: Date Sampled:	D#: 143641 03-00134 SE14M56203E soil 06/06/2003 06/02/2003	Repo 3H8-2' Time: Time:	10:30 14:55)6/16/03		
REPORT OF AN	ALYSIS			,				QUALITY	ASSUR	ANCE DA	ATA 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 dies	el)	223	mg/Kg	5	<5	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as dies	el-ext)					06/11/03	3540					
TPH by GC (as gase	oline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-82	50b/BTEX			***		06/10/03	8260b					
Benzene		<20	µg/Kg	20	<20	06/10/03	8260b		0.9	81.3	86.4	82.1
Ethylbenzene		<20	µg/Kg	20	<20	06/10/03	8260b	J	1.3	98.3	102.3	98.5
m,p-Xylenes		<20	µg/Kg	20	<20	06/10/03	8260b	J	0.3	108.4	105.9	105
o-Xylene		<20	µg/Kg	20	<20	06/10/03	8260b		11.4	105.2	104.5	103.8
Toluene		<20	µg/Kg	20	<20	06/10/03	8260b	J	0.1	88.6	92.8	87.2
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc. Respectfully Submitted, Richard Laster				s 1. Qua of the r recover express c (RQL) typical dilution associa recover than ac	lity assurance de elative percent (red from a spike sed as the percent , typically at or ly denote USEP ns. 7. Data Qu ted method blar ry exceeds advis lvisory limit. M	ata is for the s (%) difference ed sample. nt (%) recover above the Pra A procedures. alifiers are J = nk(s). S1 =MS sory limit. S3 [=Matrix inter	ample batch which includ between duplicate measu 4. Calibration Verificatio y of analyte from a know ictical Quantitation Limit Less than ("<") values re analyte potentially prese and/or MSD recovery ex =MS and/or MSD and PE ference.	led this sample. rements. 3. Recc n (CCV) and Lab- n standard or matr (PQL) of the ana flect nominal quan nt between the PQ acceed advisory lim DS recoveries exce	2. Precisio overy (Reco oratory Co rix. 5. Re lytical met ntitation lin 2L and the hits. S2 = P ced advisor	n (PREC) is by.) is the per ntrol Sample porting Quar hod. 6. Mee mits adjusted MDL. B=A tost digestion y limits. P=	the absolut cent (%) or (LCS) resu- ntitation Lin thod numb for any req nalyte dete spike (PD Precision h	te value f analyte ults are mits ers uuired ccted in S) igher



ī	<u>CUL</u>		Brolingt ID: 2002 00124	
	Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143641
l	Attn:	Pat McCasland	Sample Name: SE14M56203BH8-2'	Sample Matrix: soil
			-	-

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	85.6	50-150	
p-Terphenyl	8015 mod.	91.7	50-150	
1,2-Dichloroethane-d4	8260b	87.7	65-115	
Toluene-d8	8260b	107	50-120	

Report #/Lab ID#: 143641Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00134Sample Name: SE14M56203BH8-2'

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

Parameter	Qualif	Comment
Ethylbenzene	J	See J-flag discussion above.
m,p-Xylenes	J	See J-flag discussion above.
Toluene	J	See J-flag discussion above.
Notes:		

Comments pertaining to Data Qualifiers and QC data:

CTACLY 545						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 hristi, T 85-7411	& X 78408
Client: Environmental Plus, Inc.						Report#/Lab II)#: 143642	Repo	ort Date: (06/16/03	
Attn: Pat McCasland						Project ID: 200	3-00134	•			
Address: 2100 Ave. O						Sample Name:	SE14M56203E	3H8-5'			
Eunice	NM 88231					Sample Matrix:	soil				
						Date Received:	06/06/2003	Time:	10:30		
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Sampled:	06/02/2003	Time:	15:05		
REPORT OF ANALYSIS							QUALITY	ASSUR	ANCE DA	<u>ATA</u> 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)	302	mg/Kg	25	<25	06/13/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/10/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b		0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b		1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b		0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b		11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b		0.1	88.6	92.8	87.2
1. Quality assurance data is for the sample batch which included this sample.2. Precision (PREC) is the absolute value1. Quality assurance data is for the sample batch which included this sample.2. Precision (PREC) is the absolute value1. Quality assurance data is for the sample batch which included this sample.2. Precision (PREC) is the absolute value1. Quality assurance data is for the sample batch which included this sample.2. Precision (PREC) is the absolute value1. Quality assurance/Quality Control Program. ©3. Recovery (Recov.) is the percent (%) of analyteCopyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results arecopyright 2000, AnalySys, Inc.Respectfully Submitted,5. Reporting Quantitation Limits(RQL), typically at or above the Practical Quantitation Limits (RQL), typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required					te value f analyte ults are mits ers quired exted in S) higher						



Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143642
Attn:	Pat McCasland	Sample Name: SE14M56203BH8-5'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	77.6	50-150	
p-Terphenyl	8015 mod.	none/diluted	diluted @ 2.5X	D
1,2-Dichloroethane-d4	8260b	82.3	65-115	
Toluene-d8	8260b	105	50-120	

Report #/Lab ID#: 143642 Matrix: soil Client: Environmental Plus, Inc. Project ID: 2003-00134 Sample Name: SE14M56203BH8-5'

Attn: Pat McCasland

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

				351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	ustin, TX Corpus C X (512) 3	78744 hristi, T 85-7411	& X 78408		
Client: Environmental Plus, Inc. Attn: Pat McCasland						Report#/Lab II Project ID: 200)#: 143643 3-00134	Repo	ort Date: (06/16/03	
Address: 2100 Ave. O						Sample Name:	SE14M56203I	3H8-10'			
Eunice	NM 88231					Sample Matrix:	soil				
						Date Received:	06/06/2003	Time:	10:30		
Phone: (505) 394-3481 FAX: (505)	394-2601					Date Sampled:	06/02/2003	Time:	15:20		
REPORT OF ANALYSIS							QUALITY	ASSUR.	ANCE DA	ATA 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)	735	mg/Kg	10	<10	06/13/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/10/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b		0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b		1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b		0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b		11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b		0.1	88.6	92.8	87.2
Oluene<20µg/Kg20<2006/10/038260b0.188.692.887.2This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results ave been carefully reviewed and, to the best of my knowledge, the analytical results re consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this sublication may be reproduced or transmitted in any form or by any means without the xxpress written consent of AnalySys, Inc.1. Quality assurance data is for the sample batch which included this sample.2. Precision (PREC) is the absolute value of the relative percent (%) of analyte recovered from a spiked sample.4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) of 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 expressed as the percent (%) of malyte recovery exceed advisory limits. S2 =Post digestion spike (PDS) recovery exceed advisory limit. S3 =MS and/or MSD and PDS recoveries exceed advisory limits. P =Precision higher than advisory limit. M =Matrix interference.					te value f analyte ults are mits eers quired ected in VS) nigher						



Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143643
Attn:	Pat McCasland	Sample Name: SE14M56203BH8-10'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	80.8	50-150	
p-Terphenyl	8015 mod.	none/diluted	diluted @ 1X	D
1,2-Dichloroethane-d4	8260b	82.3	65-115	
Toluene-d8	8260b	102	50-120	

Report #/Lab ID#: 143643Matrix: soilClient: Environmental Plus, Inc.Attn: Pat McCaslandProject ID: 2003-00134Sample Name: SE14M56203BH8-10'

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 $\leq 6^{\circ}$ C. Possible exceptions include samples submitted to laboratory within such a short time after sampling that cooling measures used in the field and during transport had insufficient time to achieve desired temperatures in the samples (see sample collection and sample receipt times) and samples where the temperature could not be measured due to sample submission in a manner precluding temperature measurement without impacting sample integrity (ex. in a bottle with no cooler).

Sample Bottles & Preservation

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

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

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

J flag Discussion

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

Comments pertaining to Data Qualifiers and QC data:

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

						351 220 (51	2 Montopolis 9 N. Padre Isl 2) 385-5886	Drive, A and Dr., • FA	Austin, TX Corpus C X (512) 3	78744 hristi, T 85-7411	& X 78408
Client:Environmental Plus, Inc.Attn:Pat McCaslandAddress:2100 Ave. O EunicePhone:(505) 394-3481FAX:(505)	NM 88231 394-2601					Report#/Lab II Project ID: 200 Sample Name: Sample Matrix: Date Received: Date Sampled:	D#: 143644 03-00134 SE14M56203E : soil 06/06/2003 06/02/2003	Repo 3H8-15 Time: Time:	ort Date: (: 10:30 : 15:40	06/16/03	
REPORT OF ANALYSIS							OUALITY	ASSUR	ANCE DA	ATA ¹	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
TPH by GC (as diesel)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		3.8	87.6	95.6	91.3
TPH by GC (as diesel-ext)					06/11/03	3540					
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	06/12/03	8015 mod.		7.6	84.3	85.5	88.7
Volatile organics-8260b/BTEX					06/10/03	8260b					
Benzene	<20	µg/Kg	20	<20	06/10/03	8260b		0.9	81.3	86.4	82.1
Ethylbenzene	<20	µg/Kg	20	<20	06/10/03	8260b		1.3	98.3	102.3	98.5
m,p-Xylenes	<20	µg/Kg	20	<20	06/10/03	8260b		0.3	108.4	105.9	105
o-Xylene	<20	µg/Kg	20	<20	06/10/03	8260b		11.4	105.2	104.5	103.8
Toluene	<20	µg/Kg	20	<20	06/10/03	8260b		0.1	88.6	92.8	87.2
This analytical report is respectfully submitted by Ana have been carefully reviewed and, to the best of my kn are consistent with AnalySys, Inc.'s Quality Assuranc Copyright 2000, AnalySys, Inc., Austin, TX. All rigl publication may be reproduced or transmitted in any for express written consent of AnalySys, Inc.	lySys, Inc. The owledge, the analogous owledge of the served. No own or by any me espectfully Sulter Sulter States of the served of th	enclosed result lytical results l Program. © part of this eans without th bmitted,	s 1. Qua of the r recove express (RQL) typical dilution associa recove than ac	lity assurance d elative percent i red from a spikk sed as the percee , typically at or ly denote USEP ns. 7. Data Qu ted method blan ry exceeds advis lvisory limit. M	ata is for the sa (%) difference ed sample. nt (%) recover r above the Pra A procedures. nalifiers are J = nk(s). S1 =MS sory limit. S3 1 =Matrix inter	ample batch which includ between duplicate measu 4. Calibration Verification y of analyte from a know ctical Quantitation Limit Less than ("<") values re analyte potentially prese 5 and/or MSD recovery er =MS and/or MSD and PE ference.	led this sample. rements. 3. Recc n (CCV) and Lab n standard or math (PQL) of the ana flect nominal qua nt between the PC cceed advisory lin DS recoveries exce	2. Precisic overy (Rec oratory Co rix. 5. Ret lytical met ntitation lin QL and the nits. S2 =F eed advisor	on (PREC) is ov.) is the per ontrol Sample protting Quar thod. 6. Me mits adjusted MDL. B=A Post digestion ry limits. P =	the absolu rccent (%) co (LCS) res ntitation Li thod numb for any rea nalyte deta a spike (PD Precision I	ite value of analyte ults are imits pers quired ected in DS) nigher



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Client:	Environmental Plus, Inc.	Project ID: 2003-00134	Report#/Lab ID#: 143644
Attn:	Pat McCasland	Sample Name: SE14M56203BH8-15	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	89.2	50-150	
p-Terphenyl	8015 mod.	96.9	50-150	
1,2-Dichloroethane-d4	8260b	83	65-115	
Toluene-d8	8260b	99.3	50-120	

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Send Report 'o:			Bill t	0 (if (differ):							5	nne A		· · · · · · · · · · · · · · · · · · ·
Company Name Environne	NTal	Plus	_ Com	pany	Namo	E 07	T Ever	4				42	21 Fre	eidric	n Lan	e, Suite 190, Austin, TX 78744
Address 2100 Ave 0			Addr	ess _	5803	5 Hc	vy 80								(5	512) 444-5896
City Eculice State	J.MZip	88231	_ City	Mb	laro	٢	State 7×	_ Zi	ip <u>/</u> 2	970	~					
ATTN: Par MCastan	d		_ ATT	N: ∠	Task	K He	mander	•		- <u></u>				A	naly	yses Requested (1)
Phone 55- 34-348/ Fax 503. 384-2601 Phone 95-638. 3799 Fax											\checkmark	Plo	case al	tach e	xplanatory information as required	
Rush Status (must be confirme	d with la	b mgr.):									. L		/ /		/ /	
Project Name/PO#: 2003 - c	00134	Samp	ler: Bed	dley	BU	2-			1	.07	40		/ /			
Client Sample No	Date	Time	No of				LahID #		102	Ys	۶,		/ .			
Description/Identification	Sampled	Sampled	Containers	Soll	Water	Waste	(Lab only)		Y	5/			/			Comments
SF14M56203BHU-2'	6-2-03	7:50	J	X			143624	X	Х							
SE14M56203BH4-5	6-2-03	8:10		X			143625	\mathbf{X}	X							
SE142056203BH4-16	6.2.3	8:40		X			143626	Х	x							
5E14M56203BH4-15	6-2-03	9:00		X			143627	X	X							
SE14AL56203BH5-2.	6-2-03	9:15	<u> </u>	x		 	143628	X	X							
SEK41156203BH5-5	6-2-03	9:30	1	X			143629	X	x							· · · · · · · · · · · · · · · · · · ·
SERAM 56203BH5-10'	6-2-03	10:00	1	X			143630	<u>X</u>	X							· · · · · · · · · · · · · · · · · · ·
SE14M56203BH5-15'	6-2-03	10:20	1	X		<u> </u>	143631	X	X				<u> </u>	<u> </u>		
SEMMS 6203BH 6-2'	6.2-3	11:30	1	X	<u> </u>		143632	Х.	×							
SE14M56203 BHG-5	6-2-03	11:50		X	1		143633	$ \lambda $	$ \lambda $							

(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 c ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures. $= 2 \cdot 0^{e^2} c$

	Sample Relinquishe	d By			Sample Receiv	ed By	
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bralley Bli	ENUIPON/MENTOL PHUS	6-2-03		melanie Lam	ohn ASI	Celie/03	10:30
70		· · · · ·				111	

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

					6														
Send Repor o:	•		Bill t	o (if	diffei):							9	nne Å		•	100	IIIL.	
Company Name Environment	Nal P	las	_ Com	pany	Nam	E	TT Ever	24_				42	21 Fre	eidric	h Lan	e, Suite 1	90, Austi 2806	n, TX 7874	44
Address 2100 Ave 0			_ Addr	ess 🚊	580	E Ha	4 80°	·							(-	12) 444-2	1070		
City Eluce State	LALZip_	88231	_ City	KI.0	Hark	L	State 7	Z	ip Z	PICI	/								
ATTN: Par M. Caslan	d		_ ATT	N: <u>Z</u>	Tow	L He	entendez	<u></u>						A	naly	ses Re	questo	ed (1)	
Phone 505. 394-3481 Fax .	505.39	14-2601	🔶 Phon	e <u>915</u>	5- <i>6</i> 3	8-37	299 Fax					_	Pi	case at	tach e	xplanatory	informati	ion as requir	ed
Rush Status (must be confirme	d with la	b mgr.):								/			/ /		/ /	/ /		/	
Project Name/PO#: 2003 - 0	0134	Samp	ler: <i>Ble</i>	Alle	y Æ	2_	<u>``</u>			<u>/</u> ;	30))		/ /		//			
	_			, 	r			ł		Lot	Y	/	/		/	//			
Client Sample No. Description/Identification	Date Sampled	l'Ime Sampled	No. of Containers	Soil	Water	Waste	Lab I.D. # (Lab only)			Y							Comn	nents	
SE14M56203BH6-10	6-2-3	1:00	1	X			143634	X	Х										_
SE14M56203BH6-15	6-2-03	1:30	1	X	ļ		143635	X	\mathbf{x}								•		
SEI4M56203BH7-2'	6.2-03	1:40		$\dot{\mathbf{x}}$			143636	<u>x</u>	X										
SE14M 56203BH7-5	6-2.03	1:55	1	λ	ļ	ļ	143637	X	x		 								
SE14M56203BH7-10	6-2-03	2:10	1 .	X	ļ		143638	$ \lambda $	\times				ļ	 		<u> </u>			<u> </u>
SE14M 56203BH7-15	6-2-03	2:25		λ	_	ļ	143639	x	X		<u> </u>		 	<u> </u>	<u> </u>	<u> </u>			<u> </u>
SE14M56203BH7- 80	6.2.03	2:40	1	X	ļ	 	143640	x	X	ļ	ļ	ļ		ļ		<u> </u>			
SEIYA 56203BH 8.2	6-2-3	2:55	1	$ \times$		<u> </u>	143641	<u>X</u>	X					1	<u> </u>				
SE14M 56203BH8-5	6-2-03	3:05	1	X	<u> </u>		143642	X	$ \lambda $			<u> </u>							
SE14M56203BH 8-10'	6-2.03	3:20	1	X			143643		X										

(1)Unless specifically requested otherwise on this Chain-of-custody and/or attached documentation, all analyses will be conducted using ASI's method of choice and all data will be reported to ASI's normal 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 c ASI's HSL list at ASI's option. Specific compound lists must be supplied for all GC procedures.

	-	·				•••	t = 5.0° c
	Sample Relinquishe	d By			Sample Rece	eived By	
Name	Affiliation	Date	Time	Name	Date	Time	
Bearlow Bl-	Environpental Mis	6.2.03		melanie the	John ASI	Le/ce/03	10:30
					0		

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

Send Repor "o: Company Name <u>Encrowner</u> Address <u>2100 Ave</u> 0 City <u>Encre</u> State A	en Ta/	P1us 88231	Bill t Comj Addr City	o (if) pany ess <u>{</u>	diffen Namo Soci Llorg): <u>Eo</u> 5 Hu	<u>77 Everg</u> <u>4 80 -</u> State	<u>4</u> Z	ip	7970	<u></u>	4221	۲ Frei	idrich	Land (5	IIIL. e, Suite 190, Austin, TX 78744 12) 444-5896
Phone Mar 394-20 Fax	ea 505-3	90.200	 Z Phon	Phone 9/5 / 35, 2999 Eax									Analyses Requested (1) Please attach explanatory information as required			
Rush Status (must be confirme Project Name/PO#: <u>2003</u>	d with la	b mgr.): Samp	ler: Zee	dley	, Be	2			i	a) 20 1	CLEAT		/			
Client Sample No. Description/Identification	Date Sampled	Time Sampled	No. of Containers	Soll	Water	Waste	Lab I.D. # (Lab only)	k	birt.	(9 ¹)						Comments
SE14M56203BH8.5	6.2.3	3:40	1	$\boldsymbol{\lambda}$			143644	X	X							
												1				
		1				1										
						[
						1										
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					1	1		1.								
· · · · · · · · · · · · · · · · · · ·			t													

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

	Sample Relinquishe	d By			Sample Receive	ed By	1
Name	Affiliation	Date	Time	Name	Affiliation	Date	Time
Bruth Bl-	ENVIONIMENTAL Plus	6-2-03		melanie Hon	nhm ASI	64103	10:30
				///////////////////////////////////////			

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

Appendix D Regulatory Information

New Mexico Office of State Engineer Water Well Report

\\File_server\share\PROJECT FILES\PLAINS MARKETING\205069 Vac to Jal Mainline #5\Data Evaluation and Closure Proposal Final Report 7_28_05\Vac to Jal #\$ Final Closure Report\Vac to Jal 14 #5 Report Final.doc

	New Mexico O Well Rep	<i>Office of the State</i> corts and Downle	<i>Engineer</i> bads			
Township: 22	S Range: 37E	Sections: 2				
NAD27 X:	Y:	Zone:	Searc	h Radius:	:	
County:	Basin:	N	umber:	Su	ıffix:	
Owner Name: (First)	(Last)		⊖Non-E	Oomestic	ODome	stic ©All
Well / Surface Data Re	Clear Form	g Depth to Water R	eport) u Help	Wate	er Column f	Report
	WATE	R COLUMIN REPORT	r 06/20/20	05		
(quarter: (quarter: Well Number Tws CP 00929 EXPLORE 22S	are 1=NW 2=NE are biggest to Rng Sec q q q 37E 02 3 3 3	3=SW 4=SE) o smallest) Zone X	Y	Depth Well 1100	Depth Water	Water (in Column

Record Count: 1



\\File_server\share\PROJECT FILES\PLAINS MARKETING\205069 Vac to Jal Mainline #5\Data Evaluation and Closure Proposal Final Report 7_28_05\Vac to Jal #\$ Final Closure Report\Vac to Jal 14 #5 Report Final.doc



May 27, 2003

Mr. Larry Johnson Environmental Engineer New Mexico Oil Conservation Division 1625 North French Hobbs, New Mexico 88240

Subject: EOTT Energy LLC Initial C-141

Re: Vacuum to Jal 14" Mainline #5, 2003-00134 UL A, NE¼ of the NE¼ of Section 2 T22S R37E Latitude 32 25' 39.006"N and Longitude 103 07' 43.155"W

Dear Mr. Johnson,

Environmental Plus, Inc. (EPI), on behalf of Mr. Frank Hernandez, EOTT Energy LLC, submits the attached New Mexico Oil Conservation Division (NMOCD) form C-141 for the above referenced leak site located on land owned by the Greg Holt, approximately -2 miles southeast of Eunice, New Mexico. The New Mexico Tech Geo-Information Database records water wells in the area with a water level of 59.78'bgs. The attached site information and metrics form ranks the site in accordance with the "NMOCD Guidelines for Remediation of Leaks, Spills and Releases (August 13, 1993)."

EOTT will implement the New Mexico Oil Conservation Division (NMOCD) approved "General Work Plan for Remediation of E.O.T.T. Pipeline Spills, Leaks and Releases in New Mexico, July 2000" and develop and submit a site specific remediation plan for NMOCD approval to address issues identified during delineation of the vertical and horizontal extents of contamination of the Constituents of Concern (CoCs), i.e., Total Petroleum Hydrocarbon EPA method 8015m (TPH^{8015m}), Benzene, and BTEX, i.e., the mass sum of Benzene, Toluene, Ethyl Benzene, and Xylenes. The contaminated soil is not exempted from RCRA 40 CFR Part 261 and will be characterized accordingly.

If there are any questions please call Mr. Ben Miller or myself at the office or at 505.390.0288 and 505.390.7864, respectively or Mr. Frank Hernandez at 713.253.7006. All official communication should be addressed to:



ENVIRONMENTAL PLUS, INC. Micro-Blaze STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

> Mr. Frank Hernandez EOTT Energy LLC PO Box 1660 5805 East Highway 80 Midland, Texas 79702

Sincerely,

fat Mailas

Pat McCasland EPI Technical Services Manager

cc: Frank Hernandez, EOTT Energy LLC, w/enclosure William Von Drehle, EOTT Energy LLC, w/enclosure Ben Miller, EPI Vice President and General Manager Sherry Miller, EPI President File


Vacuum to Jal 14" Mainline #5 2003-00134

S

eattenergy



2100 West Ave. O P.O. Box 1558 Eunice, New Mexico 88231 TEL: 505.394,3481 FAX: 505.394,2601

Fax



ENVIRONMENTAL PLUS, INC.

Micro-Blaze

03 0720	_			
	Pages	Pages:		
93.6161	Date:	2003-05-27 00:00:00		
Transmittal: EOTT Energy LLC Vacuum to Jal 14 ne #5 2003-00134	" CC:			
ŗ	93.6161 Transmittal: EOTT Energy LLC Vacuum to Jal 14 ne #5 2003-00134	D3.6161Date:Transmittal: EOTT Energy LLC Vacuum to Jal 14"CC:ne #5 2003-00134CC:		

Buddy Hill submit to Larry Johnson,

Attached herewith is the C-138 and supporting documentation for receipt of "non-exempt" crude oil contaminated soil into the EPI landfarm. The original will be completed and forwarded to you when the project is completed.

Sincerely,

Maeland

Pat McCasland EPI

ENVIRONMENTAL PLUS, INC.

Land Farm PERMIT # NM-01-0013

CERTIFICATE OF WASTE STATUS

"NON - EXEMPT WASTE"

COMPANY EOTT ENERGY LLC

ORIGIN UL-A NE¹/₄ OF THE NE¹/₄ OF Section 2 TOWNSHIP: T22S RANGE:R37E

SOURCE DESCRIPTION (PIPELINE, LEASE, BATTERY, FLOWLINE, ETC.)

14" STEEL PIPELINE VACUUM TO JAL 14" MAINLINE #5 2003-00134

As a condition of acceptance for disposal, I hereby certify that this waste is a **non-exempt** waste as defined by the Environmental Protection Agency (EPA) July 1988 Regulatory Determination and to my knowledge, this waste been characterized as "non-hazardous" pursuant to the provisions of EPA 40 CFR Part 261 Subpart C and has not been comingled with an EPA 40 CFR Part 261 Subpart D "Listed Waste." Likewise, this waste does not contain Naturally Occurring Radioactive Material (NORM) purusant to the "paint filter test" EPA Method 9095A.

NORM EXPOSURE RATE: 10-13 µR/HR

I, FRANK HERNANDEZ, , THE UNDERSIGNED AGENT FOR, EOTT ENERGY LLC, , HEREBY CERTIFY THAT, BASED ON PERSONAL KNOWLEDGE, THE ABOVE STATEMENT IS TRUE AND CORRECT.

Ναμε	FRANK HERNANDEZ
TITLE	DISTRICT ENVIRONMENTAL SUPERVISOR
ADDRESS	5805 EAST HIGHWAY 80
	MIDLAND, TEXAS 79702
SIGNATURE	struct Anoth
DATE	2003-05-27 00:00:00

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

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

Form C-138 Revised March 17, 1999

> Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: 🔲 Non-Exempt: 🛛	4. Generator EOTT Energy LLC			
Verbal Approval Received: Yes No	5. Originating Site Vacuum to Jal 14" Mainline #5 2003-00134			
2. Management Facility Destination:	6. Transporter			
Environmental Plus, Inc. #NM-01-0013	Environmental Plus, Inc.			
3. Address of Facility Operator: Environmental Plus, Inc.	8. State New Mexico			
7. Location of Material (Street Address or ULSTR) UL A, NI	E¼ of the NE¼ of Section 2 T22S R37E			
9 Circle One:				

9. <u>Circle One</u>:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.

B All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Crude Oil Contaminated Soil

Estimated Volume <u>100</u> cy Kno	wn Volume (to be entered by the operate	or at the end of the haul)cy	
SIGNATURE Waste Management Facility Author	TITLE: <u>Technical Manage</u>	r DATE:	
TYPE OR PRINT NAME:	Pat McCasland TELEPHON	E NO. <u>505.394.3481</u>	
(This space for State Use)			
APPROVED BY:	TITLE:	DATE:	•
APPROVED BY:	TITLE:	DATE:	

Distribution

Larry Johnson Environmental Engineer 1625 North French Drive Hobbs, New Mexico 88240 505-393-6161 ext 111 Iwjohnson@state.nm.us

Jeffrey Dann, PG Senior Environmental Specialist Plains Marketing, L.P. 333 Clay Street, Suite 1600 Houston, Texas 77002 713-646-4100 jpdann@paalp.com

Camille Reynolds Remediation Coordinator Plains All American 214 West C61 Hobbs, New Mexico 88240 505-393-5611 cjreynolds@paalp

Will Murley, PG Senior Geologist Premier Environmental Services, Inc. 30 West Industrial Loop, Suite I Midland, Texas 79701 wmurley@premiercorp-usa.com

Chan Patel Senior Project Manager Premier Environmental Services, Inc. 4800 Sugar Grove Blvd, Suite 420 Stafford, Texas 77477 281-240-5201 cpatel@premiercorp-usa.com

\\File_server\share\PROJECT FILES\PLAINS MARKETING\205069 Vac to Jal Mainline #5\Data Evaluation and Closure Proposal Final Report 7_28_05\Vac to Jal 14 #5 Report Final.doc District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

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

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

Release Notification and Corrective Action

	OPERA	ГOR					\boxtimes	Initial Report	🗌 Fina	l Report
Name of Company			Contact							
EOTT Energy LLC			Frank	Hernandez	z					
Address			Teleph	one No.						
РО Вох 16	60 5805 Ea	st Highway	80 Midla	nd. Texas 7970)2	713.25	3.7006			
Facility Na	me	B				Facility	/ Type			
Vacuum to	Jal 14" M	ainline #5				14" St	eel Pipeline	•		
									<u> </u>	· · ·
Surface Owner Greg Holt			Mine	eral Owner		Lease N	D.			
				LOCAT	TION (OF REL	EASE			
Unit Letter	Section	Township	Range	Feet from the	North/S	South Line	Feet from th	e East/West Li	ne County:	Lea
2	2	T225							Lat. 32	25' 39.006"N
			R37E						Lon. 10)3 07' 43.155"₩
				NATU	RE O	F RELE	ASE	BAD 65T	IMATE LO	مو
Type of Rele	ease					Volume of	f Release 7		Volume Reco	overed
Crude Oil						20 bbls l	parrels ((5 bbls barı	els
Source of Re	elease					Date and I	Iour of Occu	rrence	Date and Hou	ar of Discovery
14" Steel Pi	peline					5-23-03 @	3:00 PM		4:00 PM @ 5	5-23-03
Was Immedi	iate Notice G	iven?	Yes 🔲	No 🔲 Not Rea	uired	If YES, To Buddy Hi	o Whom?			
Der Wilsom 2						D.(
By whom? Pat McCash	and FPI					Date and Hour $5.22.03 \oplus 9.00 \text{ DM}$				
Was a Water	and, ET I	had? 🗌 Va				5-23-03 (a	olumo Impor	ting the Waters		·····
was a water						NA				
If a Watercourse was Impacted, Describe Fully.*										
Describe Ca	use of Proble	m and Remedi	al Action	Taken.*						
14" Steel Pi	peline. The c	ause was eithe	er internal	or external corr	osion. Ti	he line was	being pressu	re tested at the	time of the oc	currence. The line
Describe Are	ea Affected a	ne repair clam	p installed	L. Contaminated	soil plac	ed on a pla	stic barrier.			
~200' x 100'	8.730 saft S	lite will he deli	neated to a	ı. letermine the ver	tical and	horizontal	extents of co	ntamination.	Contaminated	soil will be disposed
of or remedi	ated on site.	Remedial Goa	ls: TPH 8	015m = 1000 mg	/Kg. Ben	zene = 10 n	ng/Kg. and B	TEX. i.e., the n	nass sum of B	enzene. Ethvl
Benzene, To	luene, and X	(ylenes = 50 m	g/Kg.			•••••		,,	····· · · · · · · · · · · · · · · · ·	
I hereby cert	ify that the in	nformation give	en above is	s true and comple	ete to the	best of my	knowledge ar	nd understand th	at pursuant to	NMOCD rules and
regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger										
public health	or the envir	onment. The a	cceptance	of a C-141 repor	t by the N	MOCD ma	arked as "Fina	al Report" does	not relieve the	operator of liability
should their	should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human									
health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any										
other rederal, state, or local laws and/or regulations.										
		X	,				<u>OIL C</u>	UNSERVA	HON DIV	<u>ISION</u>
	C il	h rk.	co sal							
Signature:			As an all Disting Company							
				Approved by District Supervisor:						
Printed Name: Frank Hernandez										
Title Dist-	ot Environm	antal Sumanuica	.r			4	al Date:		Expiration F)ate:
	or Environing	anai Superviso	1				ai Dale.			
Datas Mar	. 37 3002		Diama 71	2 252 7000		0		1.		Attached

Conditions of Approval:

Date:May 27, 2003Phone:713.253.7006* Attach Additional Sheets If Necessary

eottenergy

EOTT Energy	v LLC	I	ncident Date:	NMOCD Notified:					
Site Information	and Metrics	5	5-23-03 @ 3:00 PM 5-23-03 @		3:00 PM				
SITE: Vacuum	SITE: Vacuum to Jal 14" Mainline #5 Assigned Site Reference # 2003-00134								
Company: EQ	TT Energy LLC		<i>0</i>						
Street Address:	PO Box 1660								
Mailing Address	s: 5805 East Highway 80			· · · · · · · · · · · · · · · · · · ·					
City. State. Zip:	Midland, Texas 79702								
Representative:	Frank Hernandez								
Representative	Representative Telephone: 713 253 7006								
Telephone:	Telephone:								
Fluid volume re	leased (bbls): 20 bbls		Recove	red (bbls): 5 bbl	s				
	XCOVERCE (UDIS). 20 UDIS XCOVERCE (UDIS). 5 UDIS Solution (UDIS). 5 UDIS								
	(Also	o applies to	o unauthorized releases >500	mcf Natural Gas)					
5-25 bbls: Submit form C-141 within 15 days (Also applies to unauthorized releases of 50-500 mcf Natural Gas)									
Leak, Spill, or P	rit (LSP) Name: Vacuum	n to Jal I	4" Mainline #5						
Source of conta	mination: 14" Steel Pipelin	ne							
Land Owner, i.e	e., BLM, ST, Fee, Other: G	reg Holt							
LSP Dimension	s ~200' x 100'								
LSP Area:	8,730 sqft ff								
Location of Ref	erence Point (RP)	-	· · · · · · · · · · · · · · · · · · ·						
Location distance	ce and direction from RP								
Latitude: 32	25° 39.006"N		6. (10) (1000 (10))						
Longitude: 103	07' 43.155"W								
Elevation above	mean sea level: $3,3/0$ ar	nsl							
Feet from South	Section Line		,						
Feet from West	Section Line		TT * T						
Location- Unit of	or 1414: NE14 of the NE14		Unit Letter: A	<u> </u>					
Location-Section	on: 2								
Location- Town	ship: T22S								
Location- Range	e: R37E								
		<u> </u>		3					
Surface water b	ody within 1000 * radius of	t site: n	one						
Domestic water	wells within 1000' radius	of site:	none						
Domestic water	wells within 1000' radius	of site:	,						
Agricultural wa	ter wells within 1000' radi	us of site	e: none						
Agricultural wa	ter wells within 1000' radi	us of site	e:						
Public water supply wells within 1000' radius of site: none									
Depth from land surface to ground water (DG) Average 59.78'bgs New Mexico Tech Geoinformation Database									
Depth of contamination (DC) – ?									
Depth to ground water (DG – DC = DtGW) - ?									
<u>1. G</u>	round Water	2	2. Wellhead Protection	n Area	3. Distance to Surface Water Body				
If Depth to GW	<50 feet: 20 points	If <100	0' from water source, o	or;<200' from	<200 horizontal feet: 20 points				
If Depth to GW	50 to 99 feet: 10 points	private	domestic water source	20 points	200-100 horizontal feet: 10 points				
If Depth to GW	>100 feet: 0 points	If >100 private	0' from water source, or domestic water source	or; >200' from : 0 points	>1000 horizontal feet: 0 points				
Ground water Score = 10 Wellhead Protection Area Score = 0 Surface Water Scor				Surface Water Score= 0					
Site Rank $(1+2+3) = 10$									
Total Site Ranking Score and Acceptable Concentrations									
Parameter	>19		10-19		0-9				
Benzene ¹	10 ppm		10 ppm		10 ppm				
BTEX	50 ppm	50 ppm 50 ppm							
ТРН	100 ppm		1000 ppm		5000 ppm				
¹ 100 ppm field VOC headspace measurement may be substituted for lab analysis									