

ENVIRONMENTAL PLUS, INC. Micro-Blaze Micro-Blaze Oca™ State Approved Land Farm and Environmental Services

11 May 2004

Mr. Larry Johnson NM Energy, Minerals, and Natural Resources Department New Mexico Oil Conservation Division – Environmental Bureau 1625 North French Drive Hobbs, NM 88240

Re: Site Closure Documentation Link Energy Wallen Tonto 4" #2003-00309 UL-B Section 30 T19S R33E, Lea County, New Mexico Land Owner: Bureau of Land Management

Dear Mr. Johnson,

Environmental Plus, Inc. (EPI), on behalf of Mr. Jimmy Bryant, Link Energy, submits for your consideration this *Site Closure Documentation* for the above-referenced site. This report documents the delineation of the vertical and horizontal extents of hydrocarbon contamination at the site, the blending of the contaminated soil to below NMOCD remedial thresholds with clean soil obtained from the right-of-way and the backfilling of the excavation with the blended soil. The completion of this project is consistent with the initial C-141 and Remediation Plan submitted to the NMOCD on October 28, 2003. EPI, on behalf of Link Energy, therefore requests that the NMOCD consider the information included in this report and issue a "*No Further Action*" letter for the site.

All official correspondence should be addressed to:

Mr. Jimmy Bryant Link Energy P.O. Box 1660 5805 East Highway 80 Midland, Texas 79703

Should you have any questions or concerns, please feel free to contact Mr. Ben Miller or me at EPI's office or at (505) 390-0288 or (505) 390-7306, respectively. Mr. Jimmy Bryant of Link Energy can be contacted at (432) 684-3497.

Sincerely,

ENVIRONMENTAL PLUS, INC.

Iain Olness, P.G. Hydrogeologist

cc: Jimmy Bryant, Link Energy – Midland
 Jeff Dann, Link Energy – Houston
 Sherry Miller, EPI President
 Ben Miller, EPI Vice President and General Manager



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1.0 Introduction and Background

This report addresses the site investigation and remediation of a release of crude oil from the Link Energy, LLC Wallen Tonto 4-inch gathering line. On October 23, 2003, Environmental Plus, Inc. (EPI) was notified by Link Energy regarding a newly discovered crude oil release. EPI personnel mobilized to the site on October 23, 2003 and commenced excavation activities.

The Initial C-141 – *Release Notification and Corrective Action* form was submitted to the New Mexico Oil Conservation Division (NMOCD) on October 28, 2003 documenting the release of approximately 10 barrels (bbls) of crude oil with the subsequent recovery of 8 bbls of crude oil.

The release site is located in the NW¹/₄ of the NE¹/₄ of Section 30, Range 33 East, Township 19 South. (reference Figure 1).

2.0 Delineation

EPI mobilized to the site on October 23, 2003 and initiated excavation activities. The initial excavation activities consisted of exposing the origin of the release in order to repair the line. Once the release origin was exposed and repaired with a temporary patch and clamp, excavation of the saturated soil continued. Excavation activities continued until such time that visual observations indicated that the impacted soil had been removed. The excavated soil was blended with clean soil from the adjacent right-of-way and returned to the excavation basin. Confirmatory samples were not collected from the bottom and sidewalls of the excavation, nor was a confirmatory sample collected from the blended soil.

Due to the fact that confirmatory samples had not been collected from the excavation, a soil boring was advanced through the approximate center of the excavation on October 29, 2003. Soil samples were collected at discrete intervals and analyzed in the field for the presence of organic vapors. Samples were also collected and submitted to AnalySys, Inc. in Austin, Texas for quantification of benzene, toluene, ethylbenzene and total xylenes (BTEX) via Environmental Protection Agency (EPA) Method 8260B and total petroleum hydrocarbons (TPH) as diesel and gasoline via EPA Method 8015 modified. Analytical results for this soil boring indicated contaminant concentrations existed above the New Mexico Oil Conservation Division (NMOCD) remedial thresholds to depths of at least 10 feet below ground surface (BGS).

As contamination remained above the NMOCD remedial thresholds, it was recommended that the release be excavated to a depth of at least 10 feet BGS, or until field analyses of bottom and sidewall samples indicated organic vapor concentrations of <100 parts per million (ppm). Upon achieving field readings of <100 ppm, it was recommended that confirmatory soil samples be collected from the bottom and sidewalls of the excavation and submitted for quantification of BTEX via EPA Method 8026B and TPH as diesel and gasoline via EPA Method 8015 modified.

The New Mexico Office of the State Engineers database indicates there are no water supply wells within a one-mile radius of the release site and there are no surface water bodies within a 1,000-foot radius of the release site. Based on this information, it was determined that the remedial goals for the site were to remediate soil impacted with TPH as diesel and gasoline above 5,000 milligrams per kilogram (mg/Kg), benzene above 10 mg/Kg and total BTEX above 50 mg/Kg.

Excavation activities commenced on February 18, 2004 and continued through March 22, 2004 with approximately 3,450 cubic yards of soil excavated and blended with approximately 7,650 cubic yards of clean soil obtained from along the right-of-way. The soil blending and backfilling activities were completed on April 21, 2004. During excavation activities, historical releases were encountered that resulted in the additional excavation (reference Figure 3). Upon completion of the excavation, composite samples were collected from the bottom and sidewalls of the excavation and submitted for quantification of TPH and BTEX. Analytical results for these samples indicated TPH concentrations ranging from non-detectable (ND) at or above the laboratory method detection limit (MDL) to 1,672 mg/Kg, benzene concentrations were reported as ND and total BTEX concentrations ranged from ND to 0.306 mg/Kg. Analytical results for final closure samples were below the NMOCD remedial threshold for TPH of 5,000 mg/Kg, benzene of 10 mg/Kg and total BTEX of 50 mg/Kg. (reference Table 2 and Appendix A).

3.0 Remediation Activities

Remediation of the site commenced on February 18, 2004 and continued through April 21, 2004. Remediation activities included the excavation and blending of 3,450 cubic yards of contaminated soil from the excavation (reference Figure 3). The contaminated soil excavated from the site was blended with approximately 7,650 cubic yards of clean soil obtained from the right-of-way. Clean fill material (caliche) was purchased from the New Mexico Bureau of Land Management (BLM) to repair the access road and the site restored to pre-release conditions and contoured for proper drainage.

4.0 Closure Justification

The information provided in this report documents the delineation of a release of approximately 10 barrels of crude oil and three historical releases from the Wallen Tonto 4-inch gathering line located in the NW¼ of the NE¼ of Section 30, Township 19 South, Range 33 East, Lea County, New Mexico and the successful remediation of said release. Contaminated soil above the NMOCD threshold of 5,000 parts per million (ppm) was excavated (3,450 cubic yards) and blended onsite with soil obtained from the right-of-way. The excavation was backfilled with the blended soil and properly contoured to provide adequate drainage. Based on the data presented in this report, Environmental Plus, Inc., on behalf of Link Energy, requests that the NMOCD require "no further action" at this site.

FIGURES









TABLES

TABLE 1

Soil Boring Analytical Results Summary

Link Energy Wallen Tonto 4" Gathering to Maljamar Station UL-B, NW 1/4 of the NE1/4, Sec. 30, T19S, R33E, Lea County, NM

SAMPLE ID#	Date	Sample Location	Sampling Depth (FT. BGS)	Lithology	VOC Headspace	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethylbenzene (ug/Kg)	m,p-Xylene (ug/Kg)	o-Xylene (ug/Kg)	Total Xylenes (ug/Kg)	Total BTEX (ug/Kg)	TPH as diesel (mg/Kg)	TPH as gasoline (mg/Kg)	Total TPH (mg/Kg)
SLEWT102903BH1-2	10/29/03	Soil Boring #1	2	Dark Brown Sand	570	165	7,430	11,000	24,300	9,980	34,280	52,875	8,860	1,130	9,990
SLEWT102903BH1-5'	10/29/03	Soil Boring #1	5	Dark Brown Sand	385	<20	<20	1,130	800	<20	800	1,930	2,750	278	3,028
SLEWT102903BH1- 10'	10/29/03	Soil Boring #1	10	Dark Brown Sand and Rock	233	20	24	2,550	4,410	1,750	6,160	8,755	16,700	1,200	17,900
SLEWT102903BH1- 15'	10/29/03	Soil Boring #1	15	Light Brown Sand	10.4	<20	<20	<20	<40	<20	<40	<40	<5	<5	<5
SLEWT102903BH1- 20'	10/29/03	Soil Boring #1	20	Red Clay	3.2	<20	<20	<20	<40	<20	<40	<40	<5	<5	<5
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New Mexico Oil Conserv	vation Divis	sion Remedial Th	resholds			10,000						50,000			5,000

Note: Results in Bold and shaded are above the NMOCD Remedial Thresholds

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TABLE 2

Excavation Analytical Results Summary

Link Energy Wallen Tonto 4" Gathering to Maljamar Station UL-B, NW 1/4 of the NE1/4, Sec. 30, T19S, R33E, Lea County, NM

MAP ID	SAMPLE ID#	Date	Sample Location	Sampling Depth (FT. BGS)	Lithology	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethylbenzene (ug/Kg)	m,p-Xylene (ug/Kg)	o-Xylene (ug/Kg)	Totai Xylenes (ug/Kg)	BTEX (ug/Kg)	DRO (mg/Kg)	GRO (mg/Kg)	TPH (mg/Kg)
	SLEWT030104NE8	03/01/04	Northeast Sidewall	8	Sand & Clay	126	230	1,850	11.3,330	161.	3,491	5,697	9,030	1,100	10,130
	SLEWT03010112	03/01/04	Bottom Hole		Sand & Clay	320 320	856	3;330	5,640.1	1,940	7,580	12,086	17,400	2,140	. 19,540
	SLEWT030204NW8	:03/02/04	North Sidewall		Sand & Clay	294	784	***45101	8,670	993	9,663	15251	14,800	2:350	17,150
4	SLEWT030204EW8'	03/02/04	East Sidewall	8	Sand & Clay	ND	42.9	48.0	125	26.8	152	243	26.2	ND	26.2
5	SLEWT030204SW8'	03/02/04	South Sidewall	8	Sand & Clay	ND	26.5	33.6	69.2	ND	69.2	129	ND	ND	ND
6	SLEWT030204SWW8'	03/02/04	Southwest Sidewall	8	Sand & Clay	ND	34.1	32.7	68.8	ND	68.8	136	731	8.08 ^A	739
	SLEWI030204BH5P	03/02/04	Bottom Hole Composite	115	Sand & Clay	97.6:	- 302	296	1;160	693	1,853	2,549	8.250	819:04	9,069
	SLEWT030204BC	03/02/04	Blending Composite		Sand & Clay	ND	38,3	43.5	163	61.6	225	306	3,480	309	3,789
8	SLEWT032304NW12'	03/23/04	North Sidewall	12'	Sand & Clay	ND	ND	ND	35.3	ND	35.3	35.3	1,600	71.6	1,672
9	SLEWT032304EW13'	03/23/04	East Sidewall	13'	Sand & Clay	ND	ND	ND	ND	ND	ND	ND	590	9.59 [^]	599
10	SLEWT032304WW13'	03/23/04	West Sidewall	13'	Sand & Clay	ND	ND	ND	ND	ND	ND	ND	281	ND	281
11	SLEWT032304BH20'	03/23/04	Bottom Hole Composite	20'	Sand & Clay	ND	ND	ND	45.6	ND	45.6	45.6	233	6.58 ^A	239
	New Mexico Oil Consevatio	/controllant . Enderson	owner and an and the state of the		RING-ANN	10,000			50290-000 			50,00 0	(1223 JZAJ 444 	iting store	5,000

^A Detected but below the Reporting Limit; therefore, result is an estimated concentrations (CLP J-Flag)

Shaded samples indicate that the soil was removed during future excavation activities.

Reference Figure 4 for sample locations

APPENDIX I

SITE PHOTOGRAPHS



Initial release, looking northerly.



South sidewall of excavation, looking south.



West sidewall of excavation, looking west.



Stockpiled contaminated soil, looking north.



Final excavation, looking southwesterly.



Final excavation, looking south.



Final excavation, looking westerly.



Site contoured and completed, looking northerly.



Final excavation, looking northerly.



Site contoured and completed, looking westerly.

APPENDIX II

ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY FORMS

CI NCLY S YS	analysis and the second s					220	2 Montopolis 9 N. Padre Isl 2) 385-5886	and Dr.,	Corpus C	hristi, T	X 78408
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice				Report#/Lab II Project ID: 200 Sample Name: Sample Mätrix: Date Received:	03-00309 SLEWT10290 : soil - 10/31/2003	3BH1-2'	ort Date: 10:25	11/04/03			
Phone: (505) 394-3481 FAX: (505) REPORT OF ANALYSIS	394-2601					Date Sampled:	10/29/2003 OUALITY		09:30	A170-A1	
Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	Data Qual ⁷				LCS ⁴
TPH by GC (as diesel) TPH by GC (as diesel-ext) TPH by GC (as gasoline)	8860 1130	mg/Kg mg/Kg	250	<250 	10/31/03 10/31/03 10/31/03	8015 mod. 3570m 8015 mod.		9.2 8	77.2 	104.7	76.7 88:5
Volatile organics-8260b/BTEX					11/04/03	8260b(5030/5035)					
Benzene Ethylbenzene m,p-Xylenes o-Xylene Toluene	165 11000 24300 9980 7430	μg/Kg μg/Kg μg/Kg μg/Kg μg/Kg	20 1000 2000 1000 1000	<20 <1000 <2000 <1000 <1000	11/04/03 11/03/03 11/03/03 11/03/03 11/03/03	8260b 8260b 8260b 8260b 8260b 8260b		2,7 8 7.5 8:5 1	98 107 105.3 110:3 99	105.4 107.5 106.8 102.7 109.5	94.4 100.2 97.3 102.3 95.8
This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © 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											



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

Client: Attn:	······································	-	Report#/Lab ID#: 148952 Sample Matrix: soil
REPOR	T OF SURROGATE RECOVERY		

Surrogate Compound	Mcthod	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	none/diluted.	diluted @ 5X	D
p-Terphenyl	8015 mod.	none/diluted	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	85.1	65-115	
Toluëne-d8	8260b	106	50-120	

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

Exceptions Report:

 Report #/Lab ID#: 148952
 Matrix: soil

 Client: Environmental Plus, Inc.
 Attn: Pat McCasland

 Project ID: 2003-00309
 Sample Name: SLEWT102903BH1-2'

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

Notes:

CINELYS YS						220	2 Montopolis 9 N. Padre Isl 2) 385-5886	and Dr.,	Corpus C	hristi, T	
Client: Environmental Plus, Inc. Attn: Pat McCasland Address: 2100 Ave. O Eunice Phone: (505) 394-3481 FAX: (505)				Report#/Lab II Project ID: 200 Sample Name: Sample Mátrix: Date Received: Date Sampled:)3-00309 SLEWT10290 : soil 10/31/2003 10/29/2003	3BH1-5' Time: Time:	10:25 09:50				
REPORT OF ANALYSIS	Result	Units	RQL ⁵	Blank	Date	Method 6	OUALITY Data Qual ⁷		Recov.3		TCe4
TPH by GC (as diesel)	2750	mg/Kg	25	<25	10/31/03	8015 mod.	Data Quar	9.2	77.2	104.7	76.7
TPH by GC (as diesel-ext)	2730	mg/Kg	23	~4.3	10/31/03	3570m		9.2	11.2	104.7	/0./
TPH by GC (as gasoline)	278	mg/Kg	5	<5	10/31/03	8015 mod.		8	85.2	108.2	88.5
Volatile organics-8260b/BTEX	*			-	11/04/03	8260b(5030/5035)					
Benzene	<20	µg/Kg	20	<20	11/04/03	8260b		2.7	98	105.4	94.4
Ethylbenzene	1130	µg/Kg	20	<20	11/04/03	8260b		8	107	107.5	100.2
m,p-Xylenes	800	µg/Kg	40	<40	11/04/03	8260b		7.5	105.3	106.8	97.3
o-Xylene	<20	µg/Kg	20	<20	11/04/03	8260b	J	8:5	110.3	102.7	102.3
Toluene	<20	μg/Kg	20	<20	11/04/03	8260b		1	-99	109.5	95.8
Totache 109.3 90.4 This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. Constraint 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. 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 analy 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 ditutions.								f analyte ults are mits ers juired scted in S)			



3512 Möntöpolis 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: 2003-00309	Report#/Lab ID#: 148953
Attn:	Pat McCasland	Sample Name: SLEWT102903BH1-5'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Mcthod	Recovery	Recovery Limit	Data Qualificrs
1-Chlorooctane	8015 mod.	110	50-150	
p-Terphenyl	8015 mod.	nonc/diluted.	diluted @ 5X	D
1,2-Dichloroethane-d4	8260b	82.6	65-115	
Toluene-d8	8260b	97.6	50-120	

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

Exceptions Report:

Report #/Lab ID#: 148953 Matrix: soil Client: Environmental Plus, Inc. Attn: Pat McCasland Project ID: 2003-00309 Sample Name: SLEWT102903BH1-5'

Sample Temperature/Condition <=6°C

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

Sample Bottles & Preservation

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

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

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

J flag Discussion

A J flag data qualifier indicates (as required under TCEO-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-Xytene	1	See J-flag discussion above.
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.
Notos:		

NOICS

Analys ys						220	2 Montopolis 9 N. Padre Isl 2) 385-5886	and Dr.,	Corpus C	hristi, T	
	Casland Project ID: 2003-00309 we. O Sample Name: SLEW102903BH1-10' NM 88231 Sample Matrix: soil 94-3481 FAX: (505) 394-2601 Date Sampled: 10/29/2003 Time: 10:1				10:25 10:15						
Parameter	Result	Units	RQL ⁵	Blank	Date	Mcthod ⁶	Data Qual ⁷				LCS ⁴
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	1.67.00 1200 20.2 2550 4.410 1750 24.4	mg/Kg mg/Kg μg/Kg μg/Kg μg/Kg μg/Kg μg/Kg	250 50 20 20 40 20 20 20 20	<pre> 250 <50 20 20 20 20 20 20 20 20 20 20 20 20 20</pre>	10/31/03 10/31/03 10/31/03 11/04/03 11/04/03 11/04/03 11/04/03 11/04/03 11/04/03	8015 mod. 3570m 8015 mod. 8260b(5030/5035) 8260b 8260b 8260b 8260b 8260b 8260b 8260b		9.2 8 2.7 8 7.5 8.5 1	77.2 85.2 98 107 105.3 110.3 99	104.7 108.2 105.4 107.5 106.8 102.7 109.5	76.7 88.5 94.4 100.2 97.3 102.3 95.8
Toluene24.4 $\mu g/Kg$ 20<2011/04/038260b199109.595.8This 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 Vérification (CCV) and Laboratory Control Sample (LCS) results are 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 Vérification (CCV) and Laboratory Control Sample (LCS) results are control Sample (LCS) results are (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J – analyte potentially present between the PQL and the MDL. B-Analyte detected in associated method blank(s). SI –MS and/or MSD recovery exceed advisory limits. P-Precision higher than advisory limit. M-Matrix interference,							f analyte ults are mits ers quired ected in S)				



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Client:	Environmental Plus, Inc.	Project ID: 2003-00309	Rcport#/Lab ID#: 148954
Attn:	Pat McCasland	Sample Name: SLEW102903BH1-10'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Mcthod	Recovery	Recovery Limit	Data Qualifiers
1-Chloreoctane	8015 mod.	nonc/diluted.	diluted @ 5X	D
p-Terphenyl	8015 mod.	nonc/diluted	diluted @ 50X	D
1,2-Dichloroethane-d4	8260b	80.9	65-115	
Toluëne-d8	8260b	90.1	50-120	

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

Exceptions Report:

 Report #/Lab ID#: 148954
 Matrix: soil

 Client: Environmental Plus, Inc.
 Attn: Pat McCasland

 Project ID: 2003-00309
 Sample Name: SLEW102903BH1-10'

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

CINALYS YS						220	2 Montopolis 9 N. Padre Isl 2) 385-5886	and Dr.,		hristi, Ti	
	Pat McCasland Project ID: 2003-00309 ess: 2100 Ave. O Sample Name: SLEWT102903BH1-15' Eunice NM 88231 Eunice NM 88231 Eunice NM 88231 Date Received: 10/31/2003 Time: 10:25 Date Sampled: 10/29/2003 Time: 10:50										
Parameter	Result	Únits	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷				LCS ⁴
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	TPH by GC (as diesel) <5 mg/Kg 5 <5 $10/31/03$ $8015 \mod$ $$ 9.2 77.2 104.7 76.7 TPH by GC (as diesel-ext) $$ $$ $$ $$ $10/31/03$ $3570m$ $$ <					76.7 88.5 94.4 100.2 97.3 102.3 95.8					
have 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.	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						f analyte uits are mits ers juired Scted in S)				



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: 2003-00309	Report#/Lab ID#: 148955
Attn:	Pat McCasland	Sample Name: SLEWT102903BH1-15'	Sample Matrix: soil

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Method	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	74	50-150	
p-Terphenyl	8015 mod.	77.1	50-150	
1,2-Dichloroethane-d4	8260b	82.4	65-115	
Toluene-d8	8260b	90.1	50-120	
	,			

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

D naly S ys						220	2 Montopolis 9 N. Padre Isl 2) 385-5886	and Dr.,		hristi, T	
Attn: Pat McCasland Project ID: 2003-00309 Address: 2100 Ave. O Sample Name: SLEWT102903BH1-20' Eunice NM 88231 Sample Matrix: soil Date Received: 10/31/2003 Time: 10 Phone: (505) 394-3481 FAX: (505) 394-2601 Date Sampled: 10/29/2003 Time: 12					10:25 12:00						
REPORT OF ANALYSIS Parameter	Result	Units	RQL ⁵	Blank	Date	Method 6	QUALITY Data Qual ⁷				TC84
	<5				10/31/03	8015 mod.		9.2	77.2	ļ	76.7
TPH by GC (as diesel) TPH by GC (as diesel-ext)	2	mg/Kg	5		10/31/03	3570m		9.2		104.7	<i>1</i> 0. <i>1</i>
TPH by GC (as gasoline)	<5	mg/Kg	5	<5	10/31/03	8015 mod.		8	85.2	108.2	88.5
Volatile organics-8260b/BTEX					11/03/03	8260b(5030/5035)					
Benzene	<20	µg/Kg	20	<20	11/03/03	8260b		2.7	98	105.4	94.4
Ethylbenzene	<20	μg/Kg	20	<20	11/03/03	8260b		8	107	107.5	100.2
m,p-Xylenes	<40	μg/Kg	40	<40	11/03/03	8260b		7.5	105.3	106.8	97.3
o-Xylene	<20	μg/Kg	20	<20	11/03/03	8260b		8:5	110.3	102.7	102.3
Toluene	<20	µg/Kg	20	<20	11/03/03	8260b		1	99	109.5	95.8
Content 20 pgrkg 20 20 1005103 102000 1005103 </td											



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

AP			
Client:	Environmental Plus, Inc.	Project ID: 2003-00309	Report#/Lab ID#: 148956
Attn:	Pat McCasland	Sample Name: SLEWT102903BH1-20'	Sample Matrix: soil
			· · · · · · · · · · · · · · · · · · ·

REPORT OF SURROGATE RECOVERY

Surrogate Compound	Mcthod	Recovery	Recovery Limit	Data Qualifiers
1-Chlorooctane	8015 mod.	77.2	50-150	
p-Terphenyl	8015 mod.	82.2	50-150	
1,2-Dichloroethane-d4	8260b	75.5	65-115	
Toluene-d8	8260b	92.6	50-120	

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

											Yanhuda, a								7696
Send Repi To	D:			Bill	Bill to (if diff(at):							LI Dinc.							
Company Name	Section 100	1. 1. 1. 1. 1.	014K	Com	Company Name 114 Exercit								4221 Freidrich Lane, Suite 190, Austin, TX 7874-						
Address 2	AUG D	CN/A/	PIQU	Addu	Address <u>5805</u> Hun <u>80</u> City <u>Midlord</u> State <u>Tx</u> Zip <u>7970/</u> ATTN: <u>Frank Hernauder</u> Phone Fax											512) 444-5			
City English	State	I at Zin	84.22	_ City	217.	sou.	<u></u>	State -	z 7	Vin /	201	al							
ATTN: 22	Ale Casta	J	92231	_ ONY	N· Z		A	La mil	s_ c	יין איי איי	77	01	•	/			neer De		(1)
Phone $\leq < 300$	2. 248/ Fax	56.39	RASLO	- Phor	ie.	MA	<u> </u>	Fax	a c i				•	Pie	AA Lase al	tiach e	7Ses Rec xplanatory i	Juesteo	As required
- Union Signic (mulic	st ne contitma	2/1 <u>11/1776</u> 14	2 n m or 1.										\mathcal{L}		7	7	77	77	
Project Name/PO)#: <i>2a</i> a3- <i>G</i>	03 <i>0</i> 9	Samp	ler:	Lla	y jã	the	nz		2		1.0							
Client Samp Description/Ide	de No. ntification	Date Sampled	Time Sampled	No. of Containers	Soll	Water	Waste	Lab I.D. # (Lab only)			i et	1						Comme	nts
SLEWT1029	23BH1-2'	10-29-33	9:30	1	X			148952	x	X									
SLEWT 1029	-	1			X			148953	X	X									
SLEWIT 10290		1		- X- 4	X			148954	x	x	1	` 							
SLEWT102903			r ·	1	x			148955	X	X				-					
SLEWT10290		1 ·	l i		X			148956	X	X			,						
													•						
									Γ	Γ								4	
				5			,			1									
(1)Unless specifically reque limits (MDL/PQL). For OC ASI's HSL list at ASI's opti	C/MS volatiles and e	xtraciables, u	nless specific	analytical pa	rameter	lists are :	nalyses specifie	will be conducte d on this chain-ol	d usinj (-cusio	g ASI's dy or s	methic staiche	nd of c d to th	hoice i is chai	and all n-of-c	data v ustody	will be , ASI	reported to will default	ASI's norm to Priority	al reportin; Pollutants «
	Sample										Sa	mpl	e R	eceiv	ved	By	T=2.0)°c	
Name	Affiliat			Date						Affiliation			ition			Date		Ime	
Trally Be-	Excliment	estel A	<u>us 10</u>	29-03			120	danie flor	xk	mo		<u>A5</u>	<u>ı </u>			10/3	81/03	10:	25
[Tendering of above	described samp	oles to An	alySys, Inc	c. for analy	tical t	esting	consti	lutes agreeme	ent by	y buy	er/sa	mple	r to A	Analy	/Sys,	1, Inc.'	s standar	d terms.	

15

Link Energy Pipeline	Project: Wallen Tonto 4	Fax: (432) 682-9719
P.O. Box 1660	Project Number: 2003-00309	Reported:
Midland TX, 79702	Project Manager: Frank Hornandez	03/10/04 15:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SLEWT030104NE8	4C05001-01	Soil	03/01/04 13:30	03/05/04 11:00
SLEWT03010412	4C05001-02	Soil	03/01/04 13:45	03/05/04 11:00
SLEWT030204NW8'	4C05001-03	Soil	03/02/04 09:30	03/05/04 11:00
SLEWT030204EW8	4C05001-04	Soil	03/02/04 09:40	03/05/(/4 11:00
SLEWT030204SW8	4C05001-05	Soil	03/02/04 09:50	03/05/04 11:00
SLEWT030204SWW8	4C05001-06	Soil	03/02/04 10:00	03/05/04 11:00
SLEWT030204BH5P	4005001-07	Suil	03/02/04 10:10	03/05/04 11:00
SLEWT030204BC	4005001-08	Soil	03/02/04 10:20	03/05/04 11:00

Link Energy Pipeline	Р	Fax: (432) 682-9719							
P.O. Box 1660		Project Nu	Reported:						
Midland TX, 79702		Project Ma	03/10/04	03/10/04 15:35					
			ganics by	•					
	E	nvironn	ental L:	ab of T	exas	·····			
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	No
SLEWT030104NE8' (4C05001-01)		<u> </u>							
Benzene	0.126	0.0250	mg/kg dry	25	EC40819	03/05/04	03/05/04	EPA 8021B	
Toluene	0.230	0.0250			*	•		ы	
Ethylbenzene	1.85	0.0250	n		n		н	n	
Xylene (p/m)	3.33	0.0250	•	11	*		•	a	
Xylene (o)	0.161	0.0250	v	•	•	*	•	q	
Surrogate: a,a,a-Trifluorotoluene		101 %	80-1	20			······································	<i>*</i>	<u> </u>
Surrogaie: 4-Bromofluorobenzene		100 %	80-1	20	**	**	41	**	
Gasoline Range Organics C6-C12	1100	100	mg/kg dry	10	EC40516	03/05/04	03/06/04	EPA 8015M	
Diesel Range Organics >C12-C35	9030	100		•	n	р		**	
Total Hydrocarbon C6-C35	10100	100		Ð	H	4	*	•	
Surrogate: I-Chlorooctane		17.8%	70-1	30					
Surrogate: 1-Chlorooctadecane		19.0%	70-1		۳	"	"	"	s.
SLEWT03010412' (4C05001-02)									
Benzene	0.320	0.0500	mg/kg dry	50	EC40819	03/05/04	03/05/04	EPA 8021B	
Toluene	0.856	0.0500		a		U		p	
Ethylbenzenc	3.33	0.0500		4	41	u	13	**	
Xylene (p/m)	5.64	0.0500			4	R	•	"	
Xylene (o)	1.94	0.0500	-	81	۳.	u	"	14	
Surrogate: u,u,a-Trifluorotoluene		163 %	80-7	70					
Surrogate: 4-Bromosluorobenzene		103 %	80-1		"	ŧr		N.	-
Gasoline Range Organics C6-C12	2140	100	mg/kg dry	10	EC40516	03/05/04	03/06/04	EPA 8015M	
Diesel Range Organics >C12-C35	17400	100		•		u	n	4	
Total Hydrocarbon C6-C35	19500	100	н	u a	н	*	u	4	
Surrogate: I-Chlorooctane		13.9%	70-1	30	<i>p</i>	ii	^H		······································
Surrogate: 1-Chlorooctadecane		26.8 %	70-1	30	17	ŧr	11	ət	S-
SLEWT030204NW8' (4C05001-03)									
Benzene	0.294		mg/kg dry	50	EC40819	03/05/04	03/05/04	EPA 8021B	
Tolucne	0.784	0.0500	•		63		Ħ	u	
Ethylbenzene	4.51	0.0500	47	-	8	*	Ħ	"	
Xylene (p/m)	8.67	0.0500	n		-	**	•		
Xylenc (o)	0.993	0.0500	и	h		45	4	M	
Surrogate: a,a,a-Trifluorotoluene		775 %	80-1	20	"				3
Surrogate: 4-Bromofluorobenzene		104 %	80-1	20	J1	"	14	"	
Gasoline Range Organics C6-C12	2350	50.0	mg/kg dry	5	EC40516	03/05/04	03/06/04	EPA 8015M	
Diesel Rango Organics >C12-C35	14800	50.0		61		*	*	4	
Totai Hydrocarbon C6-C35	17200	50.0		*	•	4	4	P 1	
Surrogate: I-Chlorooctane			70-1	30					5
Surrogate: 1-Chlorooctadecane		49.0 %			"	"	"	4	5.

Environmental Lab of Texas

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aland Quality Assurance Review

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

Link Energy Pipeline		Project: Wallen Tonto 4 Project Number: 2003-00309								
P.O. Box 1660		Reported:								
Midland TX, 79702		03/10/04	03/10/04 15:16							
		Or	ganics by	GC						
	E	Invironn	ental La	ab of T	exas					
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Melliod	N	
SLEWT030204EW8' (4C05001-04)										
Benzene	ND	0.0250	mg/kg dry	25	EC40819	03/05/04	03/09/04	EPA 8021B		
Toluene	0.0429	0.0250	*	ų	ħ	11	11	p		
Ethylbenzene	0.0480	0.0250	н	14	**		M	h		
Xylene (p/m)	0.125	0.0250	н	"	45	ч	e	n		
Xylene (0)	0.0268	0.0250	•	41	*		*	*		
Surrogate: a, a, a-Trifluorotoluene		91.0%	80-1	20	**	4		17		
Surrogate: 4-Bromofluorobenzene		96.3 %	80-1	20	"	17	"	"		
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC40516	03/05/04	03/06/04	EPA 8015M		
Diesel Range Organics >C12-C35	26,2	10.0	u	U		41		•		
Total Hydrocarbon C6-C35	26.2	10.0	Ħ	14	4	•	*	ч		
Surrogute: 1-Chlorooctane		100 %	70-1	30						
Surrogale: I-Chloroocladecane		102 %	70-1		•2	"	tr -	"		
-										
SLEWT030204SW8' (4C05001-05)										
Benzene	ND		mg/kg dry	25	EC40819	03/05/04	03/05/04	EPA 8021B		
Toluene	0.0265	0.0250	р ц	"	-			-		
Ethylbenzene	0.0336	0.0250	-	-	,, 11	- H	"			
Xylene (p/m)	0.0692 ND	0.0250				u		4		
Xylene (o)	ND									
Surrogate: a,a,a-Trifluorotoluene		90.2 %	80-1			- w 17	"			
Surrogate: 4-Bromofluorobenzene		95.5 %	80-1	20	P	17		-		
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC40516	03/05/04	03/06/04	EPA 8015M		
Diesel Range Organics >C12-C35	ND	10.0		4	•	u	9	•		
Total Hydrocarhon C6-C35	ND	10.0	*	u	4	42	n	u		
Surrogate: 1-Chlorooctane		98.0%		30		A	"		"	
Surrogate: I-Chlorooctadecane		99.6 %	70- 1	30		"	**	10		
SLEWT030204SWW8' (4C05001-06)										
Benzene	ND	0.0250	mg/kg dry	25	EC40819	03/05/04	03/05/04	EPA 8021B		
Топиеле	0.0341	0.0250		**	đ	H	u	*		
Ethylbenzene	0.0327	0.0250		13	4		-	44		
Xylcne (p/m)	0.0688	0.0250	4	н	-	0	**	*		
Xylene (0)	ND	0.0250	n	n	-	a	*	*		
Surrogate: a.a.a.Trifluorotoluene		89.9 %	80-1	20	·	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		μ		
Surrogate: 4-Bromofluorobenzene		94.5 %	80-1	120	0	**	*	N		
Gasolinc Range Organics C6-C12	J [8.08]	10.0	mg/kg dry	1	EC40516	03/05/04	03/06/04	EPA 8015M		
Diesel Range Organics >C12-C35	731	10.0		11		D	۳	•		
Total Hydrocarbon C6-C35	731	10.0		4	ю	•	•	u		
Surrogate: T-Chlorooctane		98.2 %	70-	170			y	······································		
ORLEARNES T-CUROLANCIANE		70.4 70	70-1							

Environmental Lab of Texas

Rule dk Quality Assurance Review Ŕ

Page 3 of 1

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

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Link Energy Pipeline P.O. Box 1660 Midland TX, 79702 Project: Wallen Tonto 4 Project Number: 2003-00309 Project Manager: Frunk Hernandez

Organics by GC

Fax: (432) 682-9719 Reported: 03/10/04 15:16

Environmental Lab of Texas Reporting Analyte Result Limit Units Dilution Batch Analyzed Method Prepared Notes SLEWT030204BH5P (4C05001-07) 0.0500 mg/kg dry Benzene 0.0976 50 EC40819 03/05/04 03/05/04 EPA 8021B Toluene 0.302 0.0500 Ethylbenzene 0.296 0.0500 58 0.0500 18 Xylene (p/m) 1.16 Xylene (o) 0.0500 tt 0.693 Surrogate: a,a,a-Trifluorotoluene 777% 80-120 ** N² Surrogate: 4-Bromofluorobenzene 103 % 80-120 * **Gasoline Range Organics C6-C12** 50.0 mg/kg dry 03/06/04 EPA 8015M 819 EC40516 03/05/04 S Diesel Range Organics >C12-C35 8250 50.0 Q. P . **Total Hydrocarbon C6-C35** 9070 50.0 Surrogate: 1-Chlorooctane 26.8% 70-130 5-06 Surrogate: 1-Chlorooctadecane 34.0% 70-130 S-06 SLEWT030204BC (4C05001-08) 0.0250 mg/kg dry Benzene ND 25 EC40819 03/05/04 03/05/04 EPA 80218 Toluene 0.0383 0.0250 Ethylbenzene 0.0250 Ħ 0.0435 0.0250 . Xylene (p/m) 0.163 8 Xylene (o) 0.0616 0.0250 •• Surrogate: a, a, a-Trifluorotoluene 88.6 % 80-120 Surrogate: 4-Bromofluorobenzene 91.0% 80-120 Gasoline Range Organics C6-C12 309 50.0 mg/kg dry EC40516 03/05/04 03/06/04 EPA 8015M 5 Diesel Range Organics >C12-C35 3480 50.0 Total Hydrocarbon C6-C35 3790 50.0 n 4 Surrogate: 1-Chlorooctane 21.8% 70-730 S-De Surrogate: 1-Chlorooctadecane 26.4 % 70-130 5-01

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

Link Energy Pipeline P.O. Box 1660 Midland TX, 79702

Project: Wallen Tonto 4 Project Number: 2003-00309 Project Manager: Frank Hernandez

Fax: (432) 682-9719 Repurted: 03/10/04 15:35

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SLEWT030104NE8' (4C05001-01)							······		
% Solids	90.0		%	1	EC40812	03/05/04	03/05/04	% calculation	
SLEWT03010412' (4C05001-02)									
% Solids	89.0		%	1	EC40812	03/05/04	03/05/04	% calculation	
SLEWT030204NW8' (4C05001-03)									
% Solids	88.0		%	1	EC40812	03/05/04	03/05/04	% calculation	
SLEWT030204EW8' (4C05001-04)									
% Solids	89.0		%	L	EC40812	03/05/04	03/05/04	% calculation	
SLEWT030204SW8' (4C05001-05)									
% Solids	94.0		%	1	EC40812	03/05/04	03/05/04	% calculation	
SLEWT0302045WW8' (4C05001-06)									
% Solids .	91.0		%	1	EC40812	03/05/04	03/05/04	% calculation	
SLEWT030204 BH5P (4C05001-07)									
% Solids	89.0		%	1	EC40812	03/05/04	03/05/04	% calculation	
SLEWT030204BC (4C05001-08)									
% Solids	98.0		%	1	EC40812	03/05/04	03/05/04	% calculation	

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Page 5 of

12600 West 1-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713
P.O. Box 1660 Project Number: 2003-00309 Reg	682-9719	9	Fax: (432) 682-9719	Wallen Tonto 4	Project:	Link Energy Pipeline	
	rted:		Reported:	2003-00309	Project Number:	P.O. Box 1660	
Midland TX, 79702 Project Manager: Frank Hernandez 03/10/	4 15:16		03/10/04 15:16	rank Hernandez	Project Manager:	Midland TX, 79702	

Organics by GC - Quality Control Environmental Lab of Texas

Annlyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC40516 - Solvent Extraction	(GC)									
Blank (EC40516-BLK1)				Prepared:	03/05/04	Analyzed	1: 03/06/04			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet				······			
Diesel Range Organics >C12-C35	ND	10.0	*							
Total Hydrocarbon C6-C35	ND	10.0	•							
Surrogate: I-Chlorooctane	36.8		ing/kg	30.0		73.6	70-730			
Surrogate: 1-Chlaroactadecane	36.3		u u	50.0		72.6	70-130			
LCS (EC40516-BS1)				Prepared:	03/05/04	Analyzed	I: 03/06/04			
Gasoline Range Organics C6-C12	412	10.0	mg/kg wei	500		82.4	75-125			
Diesel Range Organics >C12-C35	503	10.0		500		101	75-125			
Total Hydrocarbon C6-C35	915	10.0	đ	1000		91.5	75-125			
Surrogate: 1-Chlorooctane	44.7		mg/kg	50.0		89.4	70-130			
Surrogate: 1-Chlorooctadecane	36.6		*	50.0		7 3 .2	70-130			
Calibration Check (EC40516-CCV1)				Prepared:	03/05/04	Analyzed	: 03/06/04			
Gasoline Range Organics C6-C12	466		mg/kg	500		93.2	80-120			
Diesel Range Organics >C12-C35	521		4	500		104	80-120			
Total Hydrocarbon C6-C35	987		*	1000		98.7	80-120			
Surrogale: 1-Chlorooclane	33.3	uge a felikalgung di Makadantanan i		30.0			70-730			
Surrogate: 1-Chlorooctadecane	58,2		4	SO. 0		116	70-130			
Matrix Spike (EC40516-MS1)	So	urce: 4C050	09-02	Prepared:	03/05/04	Analyzed	I: 03/06/04			
Gasoline Range Organics C6-C12	574	10.0	mg/kg dry	575	ND	99.8	75-125		······································	
Diesel Range Organics >C12-C35	581	10.0	н	575	ND	101	75-125			
Total Hydrocarbon C6-C35	1160	10.0	D	1150	ND	101	75-125			
Surrogate: T-Chlorooclane	63.5		mg/kg	50.0		727	70-130			
Surrogata: 1-Chloroactadecane	56.1		a	50.0		112	70-130			
Matrix Spike Dup (EC40516-MSD1)	So	ource: 4C056	09-02	Prepared:	03/05/04	Analyzed	i: 03/06/04			
Gasoline Kange Organics C6-C12	581	10.0	mg/kg dry	575	ND	101	75-125	1.21	20	
Diesel Range Organics >C12-C35	609	10.0	•	575	ND	106	75-125	4,71	20	
Total Hydrocarbon C6-C35	1190	10.0	4	1150	ND	103	75-125	2.55	20	
Surrogale: 1-Chlorooclane	62.8		mg/kg	30.0		720 -	70-130			
Surrogate: 1-Chlorooctadecane	56.3			50.0		113	70-130			

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Quality Assurance Review

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12600 West 1-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link Energy Pipeline P.O. Box 1660 Midland TX, 79702

Project: Wallen Tonto 4 Project Number: 2003-00309 Project Manager: Frank Hernandez Fax: (432) 682-9719 Reported: 03/10/04 15:16

Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	rpd	RPD Limit	Notes
Batch EC40819 - EPA 5030C (GC)	<u>_</u>							,,		
Blank (EC40819-BLK1)	<u> </u>			Prepared	& Analyz	:d: 03/05/	04			
Benzene	ND	0.0250	mg/kg wet							
Tolucne	ND	0.0250	*							
Ethylbenzene	ND	0.0250	•							
Xylens (p/m)	ND	0.0250	Þ							
Xylene (0)	ND	0.0250	7							
Surrogate: 11,a,a-??ifluorotoluene	92.8		ug/kg	100	-	92.8	80-120			
Surrogate: 4-Bromofluorobenzene	97.3		"	100		97.3	80-120			
LCS (EC40819-BS1)				Prepared:	03/05/04	Analyzed	: 03/08/04			
Benzene	88.2		ug/kg	100		88.2	80-120	······		
Tolucne	85.9			100		85.9	80-120			
Ethylbenzene	83.4		•	100		83.4	80-120			
Xylenc (p/m)	162		w	200		81.0	80-120			
Xylene (o)	83.7			100		83.7	80-120			
Surrogale: a,a,a-Trifluorololuene	97.0		N	700		97.0	80-720			·····
Surrogate: 4-Bromofluorobenzene	88 5			100		88.5	80-120			
Calibration Check (EC40819-CCV1)				Prepared:	03/05/04	Analyzed	: 03/08/04			
Benzone	89.8	· · · · · · · · · · · · · · · · · · ·	ug/kg	100		89.8	80-120		10 a un transc 11.1.17.	
Toluene	87.0		n	100		87.0	80-120			
Ethylbenzene	84.9		41	100		84.9	80-120			
Xyienc (p/m)	166		at	200		83.0	80-120			
Xylene (0)	83.7			100		83.7	80-120			
Surrogate: a,a,a-Trifhuarololuene	93.9			100		93.9	80-120	_,		
Surrogate: 4-Bromofluorobenzene	88.5		**	100		88.5	80-120			
Matrix Spike (EC40819-MS1)	So	urce: 4C050	01-04	Prepared:	03/05/04	Analyzod	l: 03/09/04			
Benzenc	2270		ug/kg	2500	ND	90.8	80-120			•
Toluene	2190		*	2500	38.2	86.1	80-120			
Ethylbenzene	2150		-	2500	42.7	84.3	80-120			
Xylene (p/m)	4210		n	5000	111	82.0	80-120			
Xylene (0)	2060		*	2500	23.9	81.4	80-120			
Surrogale: a,a,a-Trifluorulaluone	92.6		h	100		92.6	80-120			
Surrogate: 4-Bromofluorobenzene	84.6		*	100		84.6	80-120			

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Quality Assurance Review

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

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Link Energy Pipeline	Project: Wallen Tonto 4	Fax: (432) 682-9719
P.O. Box 1660	Project Number: 2003-00309	Reported:
Midland TX, 79702	Project Manager: Frank Hernandez	03/10/04 15:16

Environmental Lab of Texas

					Source		%REC		KPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch EC40819 - EPA 5030C (GC)

Matrix Spike Dup (EC40819-MSD1)	Source:	4C05001-04	Prepared:	03/05/04	Analyzed	1: 03/0 8/0 4		
Benzene	2140	ug/kg	2500	ND	85.6	80-120	5.90	20
Toluene	2040		2500	38.2	80. l	80-120	7.22	20
Ethylbenzene	2090	•	2500	42.7	81.9	80-120	2.89	20
Xylene (p/m)	4140	•	5000	111	80.6	80-120	1.72	20
Xylenc (0)	2080	ţi	2500	23.9	82.2	80-120	0.978	20
Surrogate: a,a,a-Trifluorotoluene	83.9		···· 100	يعه فسنسبقن ومستقد	83.9	80-120		
Surrogate: 4-Bromofluorobenzene	94.5	n	100		94.5	80-120		

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ŀ	Link Energy Pipeline	Project: Wallen Tonto 4	Fax: (432) 682-9719
۱	P.O. Box 1660	Project Number: 2003-00309	Reported:
	Midland TX, 79702	Project Manager: Frank Hernandez	03/10/04 15:16

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

Analyie	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	rpd	RPD Limit	Notes
Batch EC40812 - % Solids										
Blank (EC40812-BLK1)	······································			Prepared	& Analyz	d: 03/05/	04			
% Solids	100		%						· · · · · · · · · · · · · · · · · · ·	
Duplicate (EC40812-DUP1)	Sou	ırce: 4C0500	9-01	Prepared	& Analyza	ed: 03/05/	04			
% Solids	93.0		%		92.0			1.08	20	

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Quality Assurance Review

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12600 West 1-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Link En	ergy Pipeline	Project:	Wallen Tonto 4	Fax: (432) 682-9719				
P.O. Bo	x 1660	Project Number:	2003-00309	Reported:				
Midland	TX, 79702	Project Manager:	Frank Hernandez	03/10/04 15:16				
S-06	The recovery of this surroge matrix interference's.	ate is outside control limits due to sa	mple dilution required from high ar	nalyte concentration and/or				
S-04	The surrogate recovery for	this sample is outside of established	ed control limits due to a sample matrix effect.					
J	Detected but below the Rep	orting Limit; therefore, result is an e	n estimated concentration (CLP J-Flag).					
DET	Analyte DETECTED							
NÐ	Analyte NOT DETECTED at	or above the reporting limit						
NR	Not Reported							
dry	Sample results reported on a c	dry weight basis						
RPD	Relative Percent Difference							

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12600 West 1-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Page 10 of

Environme 12600 West I-20 Ea Odessa Texas 7976		xas, in 915-563-180 915-563-171	0								•																				
Project	Manager: FRANK HERN	ANDEZ											F	Proje	ct Na	me:	Wa	llen	Ton	t <u>o 4</u> "					<u> </u>						ļ
Compa	ny Name: LINK ENERGY	PIPELINE	CO.				-							1	Proje	:# #:	200)3-0(309	<u> </u>											
Company	Address: 5805 E. HIGH	WAY 80												Pro	oject i	Loc:	UL-	<u>8</u> \$	ectic	<u>n 30</u>) T 1	95	R33	3E					-		
1	State/Zip: MIDLAND, TX														P	0#:					-										
-	phone No: (713) 253-700																														
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Sampler S	Signature: Januar	ness fr	· · ·	EPI - Envi			al Co	onsu	iltan	<u>t</u>						—					Δ.	alyz			_						
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03-	SLEWT030204NW8		2-Mar	9:30	1	X)					X				X								
04	SLEWT030204EW8'		2-Mar	9:40	1	х								;					X				X								
Ø5	SLEWT030204SW8		2-Mar	9:50	1	х									<u>(</u>				X				X								
06	SLEWT030204WW8'		2-Mar	10:00	1	X				\square	\bot			;	<u>(_</u>				Х	_			X								
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Link Energy Pipeline	Project:	Wallen Tonto 4 inch	Fax: (432) 682-9719
P.O. Box 1660	Project Number:	2003-00309	Reported:
Midland TX, 79702	Project Manager:	Frank Hernandez	03/30/04 11:28

ANALYTICAL REPORT FOR SAMPLES

Sample 1D	Laboratory ID	Matrix	Date Sampled	Date Received
SLEWT032304NW12'	4C25008-01	Soil	03/23/04 13:00	03/25/04 12:0
SLEWT032304EW13'	4C25008-02	Soil	03/23/04 13:15	03/25/04 12:0
SLEWT032304WW13'	4C25008-03	Soil	03/23/04 13:30	03/25/04 12:0
SLEWT032304BH20'	4C25008-04	Soil	03/23/04 13:45	03/25/04 12:0

[Link Energy Pipeline	Project: Wallen Tonto 4 inch	Fax: (432) 682-9719
	P.O. Box 1660	Project Number: 2003-00309	Reported:
	Midland TX, 79702	Project Manager: Frank Hernandez	03/30/04 11:28
L			

Organics by GC **Environmental Lab of Texas**

Analyte	Result	Reporting Limit		Dilution	Batch	Prepared	Analyzcd	Method	Not
SLEWT032304NW12' (4C25008-01)	<u></u>								-
Benzene	ND	0.0250	mg/kg dry	25	EC42609	03/25/04	03/25/04	EPA 8021B	
Toluene	ND	0.0250	ţ		¥	¥		u	
Ethylbenzene	ND	0.0250	n	н	n	b	4	ø	
Xylene (p/m)	0.0353	0.0250		n		н		\$ 2	
Xylene (o)	ND	0.0250	4	•	-	Ŀ	ų	*	
Surrogate: a,a,a-Trifluorotoluene	······	81.1%	80-1	20	**		н		
Surrogate: 4-Bromofluorobenzene		89.4 %	80-1	20	"	a	4	*	
Gasoline Range Organics C6-C12	71.6	10.0	mg/kg dry	ı	EC42513	03/25/04	03/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	1600	10.0	4	¢	Þ	6	19	**	
Total Hydrocarbon C6-C35	1670	10.0	41	'n	n	ti	n		
Surrogate: 1-Chlorooctane		104%	70-1	30	"		н		
Surrogate: 1-Chlorooctadecane		108 %	70-1	30	*	*	*	*5	
SLEWT032304EW13' (4C25008-02)									
Benzene	ND	0.0250	mg/kg dry	25	EC42609	03/25/04	03/25/04	EPA 8021B	
Toluene	ND	0.0250		tı	P	v	4	8	
Ethylbenzene	ND	0.0250	t	u	P	•	4	4	
Xylene (p/m)	ND	0.0250	b	u	P	•	4	8	
Xylene (o)	ND	0.0250			р	-	4	13	
Surrogate: a,a,a-Trifluorotoluene		87.6%	80-1	20	H	н		v	
Surrogale: 4-Bromofluorobenzene		95 .6 %	80-1	20		"	#	"	
Gasoline Range Organics C6-C12	J [9.59]	10.0	mg/kg dry	1	EC42513	03/25/04	03/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	590	10.0	10	tı	Þ	*	41	8	
Total Hydrocarbon C6-C35	590	10.0	μ	ti	H	-	đa –	61	
Surrogate: 1-Chlorooctane		96.8%	70-1	30	"	H	"	W	
Surrogate: 1-Chlorooctadecane		93.6 %	70-1	30	म	*	"	22	
SLEWT032304WW13' (4C25008-03)									
Benzene	ND	0.0250	mg/kg dry	25	EC42609	03/25/04	03/25/04	EPA 8021B	
Toluene	ND	0.0250		•	*	**		8	
Ethylbenzene	ND	0.0250	P		•	Ð	t	Ħ	
Xylene (p/m)	ND	0.0250	Ħ	ti	in .	μ	÷	n	
Xylene (o)	ND	0.0250	H	**	ų	U	61	•	
Surrogate: a,a,a-Trifluorotoluene		82.7 %	+	20	<i>n</i>	»	"	"	
Surrogate: 4-Bromofluorobenzene		86 .7 %	80-1	20	*	**	17	**	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC42513	03/25/04	03/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	281	10.0	u			44	•	#	
Total Hydrocarbon C6-C35	281	10.0	•	p	•	13	•	H	
Surrogate: I-Chlorooctane		93.4 %	70-1	30			N	и	
Surrogate: 1-Chlorooctadecane		91.0%	70-1	30	"	**	19	u	

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<u>Ralandk. 16</u> Quality Assurance Review

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Link Energy Pipeline	Project: Wallen Tonto 4 inch	Fax: (432) 682-9719
P.O. Box 1660	Project Number: 2003-00309	Reported:
Midland TX, 79702	Project Manager: Frank Hernandez	03/30/04 11:28

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Mcthod	Note
SLEWT032304BH20' (4C25008-04)									
Benzene	ND	0.0250	mg/kg dry	25	EC42609	03/25/04	03/26/04	EPA 8021B	
Toluene	ND	0.0250	n	•	9	11	19		
Ethylbenzene	ND	0.0250	4		H	ų	**	"	
Xylene (p/m)	0.0456	0.0250	н					**	
Xylene (0)	ND	0.0250	•	н	u	53	*	ч	
Surrogale: a,a,a-Trifluorotoluene		91.4%	80-1	20			71		
Surrogate: 4-Bromofluorobenzene		87.7 %	80-1	20	н	N	"		
Gasoline Range Organics C6-C12	J [6.58]	10.0	mg/kg dry	1	EC42513	03/25/04	03/26/04	EPA 8015M	
Diesel Range Organics >C12-C35	233	10.0	٠	р					
Total Hydrocarbon C6-C35	233	10.0	-	n		•	u	ti	
Surrogate: 1-Chlorooctane		100 %	70-1	30			u,	u	
Surrogate: 1-Chlorooctadecane		90.4 %	70-1	30	"	*	ø	"	

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<u>Ralandk</u> Quality Assurance Review

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Link Energy Pipeline	Project: Wallen Tonto 4 inch	Fax: (432) 682-9719						
P.O. Box 1660	Project Number: 2003-00309	Reported:						
Midland TX, 79702	Project Manager: Frank Hernandez	03/30/04 11:28						
General Chemistry Parameters by EPA / Standard Methods								

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note	
SLEWT032304NW12' (4C25008-01)										
% Solids	92.0		%	l	EC42605	03/25/04	03/26/04	% calculation		
SLEWT032304EW13' (4C25008-02)										
% Solids	98.0		%	1	EC42605	03/25/04	03/26/04	% calculation		
SLEWT032304WW13' (4C25008-03)										
% Solids	99.0		%	1	EC42605	03/25/04	03/26/04	% calculation		
SLEWT032304BH20' (4C25008-04)										
% Solids	91.0		%	I	EC42605	03/25/04	03/26/04	% calculation		

Environmental Lab of Texas

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Quality Assurance Review

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Link Energy Pipeline	
P.O. Box 1660	
Midland TX, 79702	

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC42513 - Solvent Extraction	(GC)									
Blank (EC42513-BLK1)				Prepared:	03/25/04	Analyzed	: 03/26/04			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	*							
Total Hydrocarbon C6-C35	ND	10.0								
Surrogate: 1-Chlorooctane	37,5		mg/kg	50.0		75.0	70-130			
Surrogate: 1-Chlorooctadecane	36.2		~	50,0		72.4	70-130			
LCS (EC42513-BS1)				Prepared	& Analyza	xd: 03/25/(04			
Gasoline Range Organics C6-C12	415	10.0	mg/kg wet	500		83.0	75-125			
Diesel Range Organics >C12-C35	477	10.0	u	500		95.4	75-125			
Total Hydrocarbon C6-C35	892	10.0	U	1000		89.2	75-125			
Surrogate: 1-Chlorooctane	42.3		mg/kg	50.0		84.6	70-130			
Surrogate: 1-Chlorooctadecane	35.5		"	50.0		71.0	70-130			
LCS Dup (EC42513-BSD1)				Prepared	& Analyze	:d: 03/25/0	04			
Gasoline Range Organics C6-C12	405	10.0	mg/kg wet	500		81.0	75-125	2.44	20	
Diesel Range Organics >C12-C35	478	10.0	4	500		95.6	75-125	0.209	20	
Total Hydrocarbon C6-C35	883	10.0	2	1000		88.3	75-125	1.01	20	
Surrogate: 1-Chlorooctane	42.1		mg/kg	50.0		84.2	70-130			
Surrogate: 1-Chlorooctadecane	36.8		"	50.0		73.6	70-130			
Calibration Check (EC42513-CCV1)				Prepared	& Analyze	:d: 03/25/0	04			
Gasoline Range Organics C6-C12	421		mg/kg	500		84.2	80-120			
Diesel Range Organics >C12-C35	471		۳	500		94.2	80-120			
Total Hydrocarbon C6-C35	892		•	1000		89.2	80-120			
Surrogate: 1-Chlorooctane	58.7			50.0	······		70-130			
Surrogate: 1-Chlorooctadecane	45.1		"	50.0		90.2	70-130			

Environmental Lab of Texas

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Quality Assurance Review

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

Link Energy Pipeline	Project: Wallen	Tonto 4 inch	Fax: (432) 682-9719
P.O. Box 1660	Project Number: 2003-00	1309	Reported:
Midland TX, 79702	Project Manager: Frank H	lernandez	03/30/04 11:28

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC42609 - EPA 5030C (GC)										
Blank (EC42609-BLK1)				Prepared	& Analyze	ed: 03/25/	04			
Benzene	ND	0.0250	mg/kg wet	·····						
Toluene	ND	0.0250								
Ethylbenzene	ND	0.0250	U							
Xylene (p/m)	ND	0.0250	4							
Xylene (o)	ND	0.0250	#							
Surrogate: a,a,a-Trifluorotoluene	85.3		ug/kg	100		85.3	80-720			
Surrogate: 4-Bromofluorobenzene	91.9		17	100		91.9	80-120			
LCS (EC42609-BS1)				Prepared	& Analyza	:d: 03/25/	04			
Benzene	88.9	ويتقادونهم والمرجوب والمراجع والمراجع	ug/kg	100		88.9	80-120			
Tolucne	83.9		8	100		83.9	80-120			
Ethylbenzene	85.4		**	100		85.4	80-120			
Xylene (p/m)	172			200		86.0	80-120			
Xylenc (o)	87.4			100		87.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	89.4		······································	100		89.4	80-120			
Surrogate: 4-Bromofluorobenzene	89.3		•	100		<i>89.3</i>	80-120			
Calibration Check (EC42609-CCV1)				Prepared:	03/25/04	Analyzed	: 03/26/04			
Benzene	88.2	· · · · · · · · · · · · · · · · · · ·	ug/kg	100		88.2	80-120			
Toluenc	83.1		4	100		83.1	80-120			
Ethylbenzene	84.0			100		84.0	80-120			
Xylene (p/m)	169		In	200		84.5	80-120			
Xylene (a)	89.2		a	100		89.2	80-120			
Surrogale: a,a,a-Trifluorololuene	89.0		u	100		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	91.3		21	100		91.3	80-120			
Matrix Spike (EC42609-MS1)	So	urce: 4C250	08-04	Prepared:	03/25/04	Analyzed	: 03/26/04			
Benzene	2210		ug/kg	2500	ND	88.4	80-120			
Toluene ·	2070		a	2500	ND	82.8	80-120			
Ethylbenzene	2070		ч	2500	ND	82.8	80-120			

q

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5000

2500

700

100

41.5

ND

82.4

85.6

89.2

88.3

80-120

80-120

80-120

80-120

4160

2140

89.2

88.3

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Environmental Lab of Texas

Surrogate: a,a,a-Trijluorotoluene

Surrogate: 4-Bromofluorobenzene

Xylene (p/m)

Xylene (o)

<u>Rulandk</u> Quality Assurance Review

Link Energy Pipeline	Project: Wallen Tonto 4 inch	Fax: (432) 682-9719
P.O. Box 1660	Project Number: 2003-00309	Reported:
Midland TX, 79702	Project Manager: Frank Hernandez	03/30/04 11:28

Environmental Lab of Texas

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

Batch EC42609 - EPA 5030C (GC)

Matrix Spike Dup (EC42609-MSD1)	Source:	4C25008-04	Prepared:	03/25/04	Analyze	d: 03/26/04		
Benzene	2330	ug/kg	2500	ND	93.2	80-120	5.29	20
Toluene	2190	a	2500	ND	87.6	80-120	5.63	20
Ethylbenzene	2210	u	2500	ND	88.4	80-120	6.54	20
Xylene (p/m)	4400	п	5000	41.5	87.2	80-120	5.66	20
Xylene (0)	2270	ų	2500	ND	90.8	80-120	5.90	20
Surrogate: a,a,a-Trifluorotoluene	92.3	······································	100		92.3	80-120	******	
Surrogate: 4-Bromofluorobenzene	95.1	**	100		95.1	80-120		

Environmental Lab of Texas

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

Quality Assurance Review

Link Energy Pipeline	Project: Wallen Tonto 4 inch	Fax: (432) 682-9719
P.O. Box 1660	Project Number: 2003-00309	Reported:
Midland TX, 79702	Project Manager: Frank Hernandez	03/30/04 11:28

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EC42605 - % Solids										
Blank (EC42605-BLK1)				Prepared:	03/25/04	Analyzed	: 03/26/04			
% Solids	100	····	%							
Duplicate (EC42605-DUP1)	So	urce: 4C2500	4-01RE	Prepared:	03/25/04	Analyzed	l: 03/26/04			
% Solids	85.0		%		86.0			1.17	20	

Environmental Lab of Texas

Û Ruality Assurance Review

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

Page 8 of

Link Energy Pipeline	Project: Wallen Tonto	4 inch Fax: (432) 682-9719
P.O. Box 1660	Project Number: 2003-00309	Reported:
Midland TX, 79702	Project Manager: Frank Hernand	lez 03/30/04 11:28

Notes and Definitions

- J Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Quality Assurance Review

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

2 1000 En (422) 562 1712

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

Odessa Texas 79763 Fax: Project Manager: FRANK HERM Company Name: LINK ENERG Company Address: 5805 E. HIGH City/State/Zip: MIDLAND, TX	915-563-180 915-563-171 NANDEZ Y PIPELINE WAY 80	0 3									-			ject f Projec	ject t Lo	#. <u>2</u>	2003 JL-B	-003	09		195	6 R3	3E						
Telephone No: <u>(713) 253-700</u> Sampler Signature:			EPI - Envi	onn	nent						-	-		<u></u>	F			\L		A	naly	/ze	For						
LAB ID SAMPLE IDENTIFI	CATION	Date Sampled	Time Sampled	No. of Containers	ICE		Pres				Other (Specify)	Water	Sludge		Uther (Specify)	TDS/CI/SAR/EC	TPH ****		Metals *	Volatiles *	Semivolatiles *	BTEX 8021B/5030	Reactivity	Corrosivity	Ignitiabilty	Chlorides	Sulfates		RUSH TAT Standard TAT
-01 SLEWT032304NW12'		23-Mar	13:00	1	x	-					Ē			x				1				x		Ť		-			
-02 SLEWT032304EW13'		23-Mar	13:15	1	x				\square					x				>	_	1		X							
-03 SLEWT032304WW13'		23-Mar	13:30	1	x									x				>				X							
SLEWT032304BH20'		23-Mar	13:45	1	x						\square			x				1,		1	Γ	x	1						
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APPENDIX III

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FINAL C-141

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

OPERATOR								🔲 Ini	itial Report	\boxtimes	Final Report			
Name of Company														
Link Energ	y i					Jimmy Bryant								
Address							Telepho	one No.						
PO Box 166	50 5805 Eas	st Highway 80	Midland	i, Texas	79702		505.63	1.3095						
Facility Nar	ne						Facility	Туре						
		ring to Malja	mar Stati	on			4" Stee	l Pipeline						
Surface Ow	ner				Miner	al Own	er			Le	ase No.			
BLM														
				L	OCAT	OF REL	EASE							
Unit Letter	Section	Township	Range	Feet fro	m the	North/	South Line	Feet from the	East/West Lin		o o unity. Dou			
30	30	T19S									Lat. 32° 38' 6.774"N			
	l	<u> </u>	R33E		·			L			on. 103° 42' 7.652"W			
]	NATU	RE O	F RELE	ASE						
Type of Rele	ase						Volume of	Release	Volume Recovered					
Crude Oil							10 bbls b	arrels	8 bbls barrels					
Source of Re	lease						Date and H	lour of Occurre		nd Hour of Discovery				
4" Steel Pipe	line						Link Energ	3y		-03 @ 9:40 AM by Air				
							Patrol							
Was Immediate Notice Given?							If YES, To Whom?							
	🗌 Yes 🔲 No 🖾 Not Required							Larry Johnson						
By Whom?	<u></u>						Date and Hour							
							Not required							
Was a Water								If YES, Volume Impacting the Watercourse.						

If a Watercourse was Impacted, Describe Fully.*

NA

Describe Cause of Problem and Remedial Action Taken.*

Internal corrosion. Line repair clamp installed and the contaminated soil blended with local clean soil.

Describe Area Affected and Cleanup Action Taken.*

 $1,460 \text{ ft}^2 30'x70'$; The site was delineated <5,000 mg/Kg TPH, <50 mg/Kg total BTEX and <10 mg/Kg benzene. The excavated soil was blended to <5,000 mg/Kg TPH, <50 mg/Kg total BTEX and <10 mg/Kg benzene and the excavation backfilled. The site was restored to pre-release conditions and contoured for proper drainage.

NA

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:		OIL CONS	ERVATION DIVISION
Printed Name: Jimmy Bryant		Approved by District Supe	rvisor:
Title: District Environmental	Supervisor	Approval Date:	Expiration Date:
Date: May 14, 2003	Phone: 505.631.3095	Conditions of Approval:	Attached

* Attach Additional Sheets If Necessary