

March 16, 2010

Mr. Mike Bratcher New Mexico Oil Conservation Division 1301 Wet Grand Ave. Artesia, NM 88210 RECEIVED

MAR 2 3 2010

NMOCD ARTESIA

AMARILLO 92I North Bivins Amarillo. Texas 79107 Phone 806.467.0607 Fax 806.467.0622

AUSTIN 3003 Tom Gary Cove Building C-100 Round Rock, Texas 78664 Phone 512.989.3428 Fax 512.989.3487

TYLER 719 West Front, Ste. 255 Tyler, Texas 75702 Phone 903.531.9971 Fax 903.531.9979

MIDLAND 290I S. State Hwy 349 Midland, Texas 79706 Phone 432.522.2I33 Fax 432.522.2I80

SAN ANTONIO 17170 Jordan Rd Suite 102 Selma, Texas 78154 Phone 210.579.0235 Fax 210.568.2191

HOUSTON 3233 West lith Street, Ste. 400 Houston, Texas 77008 Phone 713.861.0081 Fax 713.868.3208

TULSA 9906 East 43rd Street, Ste. G Tulsa, Oklahoma 74146 Phone 918.742.0871 Fax 918.742.0876

HOBBS 3I8 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.426I Fax 505.393.4658

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
EMERGENCY RESPONSE

RE: Riverwolf #10 Wellhead Soil Closure Documentation

Dear Mr. Bratcher:

On Behalf of BP America Production Company (BP), Talon/LPE (Talon) is pleased to provide you with the documentation of the impacted soil abatement at the Riverwolf Unit # 10 wellhead. This well was originally plugged by BP in March 2009. Historical soil impact at the wellhead was identified by the new lease holder while preparing to re-enter the well.

Talon (at the request of BP) removed impacted soil at the location and disposed of this material at Lea Land Landfill. The final excavation measured approximately 20 feet by 10 feet, with a total depth of 12 feet. After review of the attached confirmatory analytical results, and coordination with the NMOCD (District 2) and Bureau of Land Management, Talon backfilled the location with clean fill.

If you have any questions pertaining to this matter, please do not hesitate to contact me.

Respectfully Submitted;

Kyle Summers
District Manager
Talon/LPE – Artesia
432.230.7673

Attachments:

C-141 (Initial and Final)

Analytical Results Waste Manifests

Cc

BP America
Talon/LPE (file)

Toll Free: 866.742.0742 www.talonlpe.com

<u>District I</u> 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 ECEIVED

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

MAR 23 2010

NMOCD ARTESIA

Form C-141 Revised October 10, 2003

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

Release Notification and Corrective Action

						OPERAT	ГOR		Initia	ıl Report	\boxtimes	Final Repor
Name of Co	mpany Bl	P America I	Producti	on Company		Contact Steve Pacheco						
Address PC	Box 129	Artesia, N	M 88210)		Telephone No. 575-677-3642						
Facility Nat	ne Rivery	volf Unit No	o. 10			Facility Typ	e Oil Well					
Surface Ow	ner BLM			Mineral (Owner I	BLM			Lease N	lo. API #	30015	00639
				LOCA	ATION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/4	Vest Line	County		
o	35	17S	27E	410			2235			Eddy		
			La	titude	•	Longitud		1		<u> </u>		
					•	OF RELI						
Type of Rele	ase Oil and	l Produced V	Vater	1172	OKE		Release Unknow	wn	Volume R	ecovered t	Jnknov	vn
		rwolf Unit#1		ore		Date and H	lour of Occurrence	:e	Date and l	Hour of Dis	covery	
-							Unknov	vn	October 2	27, 2009		
Was Immedi	ate Notice C		Yes 🗵	No Not R	equired	If YES, To	Whom?					
By Whom?	-					Date and H	lour					
Was a Water	course Reac		Yes ⊠] No	4	If YES; Vo	lume Impacting t	the Wate	ercourse.			
If a Wataraa	rea was Iro	pacted, Descr	iha Eullu?	*		<u> </u>	-					
clean dirt.	•			Talon/LPE (wo			sposed of at Lea	Land L	andfill. Ti	he site was	backfil	led with
Area impact	ed was app		0 ft x 10 f				e Riverwolf Unit	t #10 we	ll bore. Ti	ie arca was	excav	ated to hard
regulations a public health should their o	I operators or the envir operations harment. In a	are required to comment. The ave failed to a ddition, NMC	o report ar acceptant idequately ICD accep	nd/or file certain reports of a C-141 report investigate and reports	release no ort by the remediate	otifications as NMOCD m contaminati	knowledge and und perform correctories arked as "Final Roon that pose a three the operator of the corrector	ctive acti eport" d eat to gr	ons for rele oes not reli ound water	eases which eve the oper , surface wa	may en ator of ter, hur	danger Tiability man health
			1				OIL CON	SERV	ATION	DIVISIO	<u>N</u>	
Signature:	5 lui	~ 111	Lad	heco								
Printed Name	e: Steve M.	/		-		Approved by	District Supervise	or:				
Title: Southe	ast New Me	exico Team L	ead			Approval Dat	e:		Expiration I	Date:		
E-mail Addro	ess: Steve.P	acheco@bp.c	om			Conditions of	Approval:			Attached		
	2010		DI.	=======================================						Attached	L.J	
Date: 3/4/ Attach Addi	2010 tional Shee	ets If Necess		575-677-3642						<u></u>		

District 1 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 RE Energy Minerals and Natural Resources

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Oil Conservation Division

MAR 2 3 2010

1220 South St. Francis Dr. NMOCD ARTESIA

Form C-141 Revised October 10, 2003

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

Santa Fe, NM 87505 Release Notification and Corrective Action

						OPERATOR Initial Report Fina			Final Report			
				on Company		Contact Steve Pacheco						
						lo. 575-677-36	42					
Facility Nan	Facility Name Riverwolf Unit No. 10				<u> </u>	Facility Typ	e Oil Well					
Surface Own	ner BLM			Mineral O	wner I	BLM		Ī	Lease No	o. API # 3	30015	500639
						OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/ W	est Line	County		
0	35	17S	27E	410			2235			Eddy		
			La	titude		_ Longitud	е					
				NAT	URE (OF RELI	EASE					
Type of Relea							Release Unknow			ecovered U		
Source of Rel	case Rivei	wolf Unit#1	0 Well B	ore		Date and H	our of Occurrence Unknow		Date and H October 2'	lour of Disc	:overy	′
Was Immedia	te Notice C		Yes 🗵	No □ Not Re	quired	If YES, To		<u>, </u>	october 2	7, 2009		
By Whom?					•	Date and H	OUT					
Was a Watero	ourse Reac	hed?					lume Impacting th	he Waterc	ourse.			
			Yes 🛚	No								
If a Watercou	rse was Im	pacted, Descri	be Fully.*	4								
	gged by Bl	P America Pr	oduction	n Taken.* Company, Mare and disposed of a							o re-e	nter well,
Describe Area												
•		•		erwolf Unit #10 v								
regulations al public health should their o or the environ	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.											
			1				OIL CONS	<u>SERVA</u>	TION I	<u> DIVISIO</u>	N	
Signature:	5 tu	~ W	fac	hed								
Printed Name: Steve M. Pacheco Approved by District Supervisor:												
Title: Souther	ast New Mo	exico Team L	ead		A	Approval Dat	e:	Ex	piration D	ate:		
E-mail Addre	ss: Steve.P	acheco@bp.c	om			Conditions of	Approval:			Attached		
Date: 3/4/2	2010		Phone:	575-677-3642								

^{*} Attach Additional Sheets If Necessary



Summary Report

Kyle Summers Talon LPE-Artesia 104 Hermosa Dr. Artesia, NM 88210

Report Date: December 8, 2009

Work Order: 9112506

Project Location: Eddy County, New Mexico

Project Name: Project Number:

Riverwolf #10 700562.83.02

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
215791	East Wall Middle 4' from bottom	soil	2009-11-24	13:30	2009-11-25
215792	West Wall Middle 4' from bottom	soil	2009-11-24	13:00	2009-11-25
215793	North Wall Middle 4' from bottom	soil	2009-11-24	13:26	2009-11-25
215794	Bottom Middle	soil	2009-11-24	12:48	2009-11-25
215795	South Top 4' down middle	soil	2009-11-24	14:30	2009-11-25
215796	East Top 4' down middle	soil	2009-11-24	14:30	2009-11-25
215797	West Top 4' down middle	soil	2009-11-24	13:00	2009-11-25
215798	North Top 4' down middle	soil	2009-11-24	14:40	2009-11-25
215799	South Wall 4' from bottom	soil	2009-11-24	13:10	2009-11-25

	TPH DRO - NEW	TPH GRO
	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)
215791 - East Wall Middle 4' from bottom	118	< 2.00
215792 - West Wall Middle 4' from bottom	1630	117
215793 - North Wall Middle 4' from bottom	< 50.0	< 2.00
215794 - Bottom Middle	626	200
215795 - South Top 4' down middle	172	2.84
215796 - East Top 4' down middle	< 50.0	< 2.00
215797 - West Top 4' down middle	< 50.0	3.49
215798 - North Top 4' down middle	< 50.0	< 2.00
215799 - South Wall 4' from bottom	< 50.0	< 2.00

Sample: 215791 - East Wall Middle 4' from bottom

Param	Flag	Result	Units	RL
Benzene		< 0.0200	mg/Kg	0.0200
Toluene		< 0.0200	mg/Kg	0.0200

Param	Flag	Result	Units	RL
Ethylbenzene		< 0.0200	mg/Kg	0.0200
Xylene		< 0.0200	mg/Kg	0.0200
Total BTEX		< 0.0600	mg/Kg	0.0600
SPLP Chloride		98.4	mg/L	0.500

Sample: 215792 - West Wall Middle 4' from bottom

Param	Flag	Result	Units	RL
Benzene	I	< 0.100	mg/Kg	0.0200
Toluene		< 0.100	mg/Kg	0.0200
Ethylbenzene		1.06	mg/Kg	0.0200
Xylene		1.04	mg/Kg	0.0200
Total BTEX		2.10	mg/Kg	0.0600
SPLP Chloride		184	m mg/L	0.500

Sample: 215793 - North Wall Middle 4' from bottom

Param	Flag	Result	Units	RL
Benzene		< 0.0200	mg/Kg	0.0200
Toluene		< 0.0200	mg/Kg	0.0200
Ethylbenzene		< 0.0200	mg/Kg	0.0200
Xylene		< 0.0200	mg/Kg	0.0200
Total BTEX		< 0.0600	mg/Kg	0.0600
SPLP Chloride		83.6	mg/L	0.500

Sample: 215794 - Bottom Middle

Param	Flag	Result	Units	RL
Benzene		0.136	mg/Kg	0.0200
Toluene		0.205	mg/Kg	0.0200
Ethylbenzene		3.67	mg/Kg	0.0200
Xylene		3.50	mg/Kg	0.0200
Total BTEX		7.51	mg/Kg	0.0600
SPLP Chloride		281	mg/L	0.500

Sample: 215795 - South Top 4' down middle

Param	Flag	Result	Units	RL
Benzene		< 0.0200	mg/Kg	0.0200

¹Sample ran at dilution due to hydrocarbons with a retention time greater than xylene.

sample 215795 continued ...

Param	Flag	Result	Units	RL
Toluene		< 0.0200	mg/Kg	0.0200
Ethylbenzene		0.0384	mg/Kg	0.0200
Xylene		0.0442	mg/Kg	0.0200
Total BTEX		0.0826	mg/Kg	0.0600
SPLP Chloride		27.8	mg/L	0.500

Sample: 215796 - East Top 4' down middle

Param	Flag	Result	Units	RL
Benzene		< 0.0200	mg/Kg	0.0200
Toluene		< 0.0200	mg/Kg	0.0200
Ethylbenzene		< 0.0200	mg/Kg	0.0200
Xylene		< 0.0200	mg/Kg	0.0200
Total BTEX		< 0.0600	mg/Kg	0.0600
SPLP Chloride		3.12	$_{ m mg/L}$	0.500

Sample: 215797 - West Top 4' down middle

Param	\mathbf{Flag}	Result	Units	RL
Benzene		< 0.0200	mg/Kg	0.0200
Toluene		< 0.0200	mg/Kg	0.0200
Ethylbenzene		< 0.0200	mg/Kg	0.0200
Xylene		< 0.0200	mg/Kg	0.0200
Total BTEX		< 0.0600	mg/Kg	0.0600
SPLP Chloride		14.8	m mg/L	0.500

Sample: 215798 - North Top 4' down middle

Param	Flag	Result	${f Units}$	RL
Benzene	•	< 0.0200	mg/Kg	0.0200
Toluene		< 0.0200	mg/Kg	0.0200
Ethylbenzene		< 0.0200	mg/Kg	0.0200
Xylene		< 0.0200	mg/Kg	0.0200
Total BTEX		< 0.0600	mg/Kg	0.0600
SPLP Chloride		2.01	mg/L	0.500

Sample: 215799 - South Wall 4' from bottom

Param	Flag	Result	Units	RL
Benzene	 :	< 0.0200	mg/Kg	0.0200
Toluene		< 0.0200	mg/Kg	0.0200

Report Date: December 8, 2009 Work Order: 9112506 Page Number: 4 of 4

sample 215799 continued ...

Param	Flag	Result	Units	RL
Ethylbenzene		< 0.0200	mg/Kg	0.0200
Xylene		< 0.0200	mg/Kg	0.0200
Total BTEX		< 0.0600	mg/Kg	0.0600
SPLP Chloride		84.7	m mg/L	0.500



6701 Aberdeen Avenue, Suite 9 200 East Sunset Road, Suite E 5002 Basin Street, Suite A1 6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132

Lubbock, Texas 79424 El-Paso, Texas 79922 Midland, Texas 79703

800 • 378 • 1296 888 • 588 • 3443 806 • 794 • 1296 915 • 585 • 3443 432 • 589 • 6301 817 • 201 • 5260 FAX 806 • 794 • 1298 FAX 915+585+4944 FAX 432 • 689 • 6313

E-Mail: lab@traceanalysis.com

Certifications

WBENC: 237019

HUB:

1752439743100-86536

DBE: VN 20657

NCTRCA WFWB38444Y0909

NELAP Certifications

Lubbock: T104704219-08-TX

LELAP-02003

Kansas E-10317

El Paso: T104704221-08-TX

LELAP-02002

Midland: T104704392-08-TX

Analytical and Quality Control Report

Kyle Summers Talon LPE-Artesia 104 Hermosa Dr. Artesia, NM, 88210

Report Date: December 8, 2009

Work Order:

9112506

Project Location:

Eddy County, New Mexico

Project Name: Project Number:

Riverwolf #10 700562.83.02

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

		•	Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
215791	East Wall Middle 4' from bottom	soil	2009-11-24	13:30	2009-11-25
215792	West Wall Middle 4' from bottom	soil	2009-11-24	13:00	2009-11-25
215793	North Wall Middle 4' from bottom	soil	2009-11-24	13:26	2009-11-25
215794	Bottom Middle	soil	2009-11-24	12:48	2009-11-25
215795	South Top 4' down middle	soil	2009-11-24	14:30	2009-11-25
215796	East Top 4' down middle	soil	2009-11-24	14:30	2009-11-25
215797	West Top 4' down middle	soil	2009-11-24	13:00	2009-11-25
215798	North Top 4' down middle	soil	2009-11-24	14:40	2009-11-25
215799	South Wall 4' from bottom	soil	2009-11-24	13:10	2009-11-25

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

This report consists of a total of 27 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director Dr. Michael Abel, Project Manager

Standard Flags

 ${\bf B}$ - The sample contains less than ten times the concentration found in the method blank.

Case Narrative

Samples for project Riverwolf #10 were received by TraceAnalysis, Inc. on 2009-11-25 and assigned to work order 9112506. Samples for work order 9112506 were received intact without headspace and at a temperature of 1.4 deg. C.

Samples were analyzed for the following tests using their respective methods.

		Prep	Prep	\mathbf{QC}	Analysis
Test	Method	Batch	Date	Batch	Date
BTEX	S 8021B	56057	2009-11-25 at 08:17	65602	2009-11-25 at 08:17
SPLP Cl	E 300.0	56264	2009-12-07 at 13:16	65834	2009-12-07 at 13:14
SPLP Cl	E 300.0	56265	2009-12-07 at 13:41	65835	2009-12-08 at 01:08
Total BTEX	S 8021B	56057	2009-11-25 at 08:17	65602	2009-11-25 at 08:17
TPH DRO - NEW	Mod. 8015B	56070	2009-11-25 at 15:00	65615	2009-11-27 at 17:00
TPH DRO - NEW	Mod. 8015B	56107	2009-11-30 at 15:00	65653	2009-11-30 at 18:00
TPH GRO	S 8015B	56057	2009-11-25 at 08:17	65604	2009-11-25 at 08:17

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 9112506 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

700562.83.02

Work Order: 9112506 Riverwolf #10

Page Number: 4 of 27 Eddy County, New Mexico

Analytical Report

Sample: 215791 - East Wall Middle 4' from bottom

Laboratory:

Lubbock

BTEX, Total BTEX Analysis: QC Batch: 65602 Prep Batch: 56057

Analytical Method: Date Analyzed:

S 8021B 2009-11-25 Sample Preparation: 2009-11-25 Prep Method: S 5035

Analyzed By: MTPrepared By: MT

Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.0200	mg/Kg	1	0.0200
Toluene		< 0.0200	mg/Kg	1	0.0200
Ethylbenzene		< 0.0200	mg/Kg	1	0.0200
Xylene		< 0.0200	mg/Kg	1	0.0200
Total BTEX		< 0.0600	mg/Kg	1	0.0600

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	-	1.48	mg/Kg	1	2.00	74	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.86	mg/Kg	1	2.00	93	72.8 - 115

Sample: 215791 - East Wall Middle 4' from bottom

Laboratory:

Lubbock

Analysis: SPLP CI QC Batch: 65835

Analytical Method:

E 300.0

Prep Method: **SPLP 1312** SS

Prep Batch:

56265

Date Analyzed: SPLP Extraction: 2009-12-08 2009-12-04 Analyzed By: Prepared By: SS Prepared By: SS

RL +

Parameter	Flag	Result	Units	Dilution	RL
SPLP Chloride		98.4	mg/L	5	0.500

Sample Preparation: 2009-12-07

Sample: 215791 - East Wall Middle 4' from bottom

Laboratory: Analysis:

Lubbock

TPH DRO - NEW 65615

Analytical Method: Date Analyzed:

Mod. 8015B 2009-11-27

Prep Method: N/A Analyzed By: AW

QC Batch: Prep Batch:

56070

Sample Preparation:

2009-11-25

Prepared By: AW

Parameter	Flag	Result	Units	Dilution	RL
DRO		118	mg/Kg	1	50.0

700562.83.02

Work Order: 9112506

Riverwolf #10

Page Number: 5 of 27 Eddy County, New Mexico

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Tricosane		115	mg/Kg	1	100	115	38.6 - 167

Sample: 215791 - East Wall Middle 4' from bottom

Laboratory: Lubbock

Analysis: TPH GRO QC Batch: 65604 Prep Batch: 56057

Analytical Method: S 8015B

Date Analyzed: 2009-11-25 Sample Preparation: 2009-11-25

Prep Method: S 5035 MTAnalyzed By: Prepared By: MT

RL

Parameter	Flag	Result	Units	Dilution	RL
GRO		<2.00	mg/Kg	1	2.00

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		1.76	mg/Kg	1	2.00	88	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.00	mg/Kg	1	2.00	100	56.2 - 130

Sample: 215792 - West Wall Middle 4' from bottom

Laboratory: Lubbock

Analysis: BTEX, Total BTEX QC Batch: 65602 Prep Batch: 56057

Analytical Method: S 8021B Date Analyzed:

2009-11-25 Sample Preparation: 2009-11-25 Prep Method: S 5035 Analyzed By: MTPrepared By: MT

		RL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene	I	< 0.100	mg/Kg	5	0.0200
Toluene		< 0.100	mg/Kg	5	0.0200
Ethylbenzene		1.06	mg/Kg	5	0.0200
Xylene		1.04	mg/Kg	. 5	0.0200
Total BTEX		2.10	mg/Kg	5	0.0600

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	2	1.20	mg/Kg	5	2.00	60	71.8 - 112
4-Bromofluorobenzene (4-BFB)	3	2.42	mg/Kg	5	2.00	121	72.8 - 115

¹Sample ran at dilution due to hydrocarbons with a retention time greater than xylene.

³High surrogate recovery due to peak interference.

²Surrogate recovery out due to dilution caused by hydrocarbons in the sample.

700562.83.02

Work Order: 9112506 Riverwolf #10

Page Number: 6 of 27 Eddy County, New Mexico

Sample: 215792 - West Wall Middle 4' from bottom

Laboratory: Lubbock

Prep Batch: 56265

Analysis: QC Batch: SPLP CI 65835

Analytical Method:

E 300.0

Date Analyzed: SPLP Extraction: Sample Preparation:

2009-12-08

2009-12-04 2009-12-07

Prepared By:

Prep Method: **SPLP 1312**

RL

50.0

RL

2.00

Analyzed By: SS SS Prepared By: SS

ВI

		ICD			
Parameter	Flag	Result	Units	Dilution	RL
SPLP Chloride		184	mg/L	5	0.500

Sample: 215792 - West Wall Middle 4' from bottom

Laboratory:

DRO

Lubbock

Analysis: TPH DRO - NEW QC Batch: 65615 Prep Batch: 56070

Analytical Method: Date Analyzed:

Sample Preparation:

Mod. 8015B 2009-11-27 2009-11-25

Prep Method: N/A

Analyzed By: AW Prepared By: AW

Parameter Flag

RLResult 1630

Units Dilution mg/Kg

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	4	213	mg/Kg	10	100	213	38.6 - 167

Sample: 215792 - West Wall Middle 4' from bottom

Laboratory: Analysis:

Lubbock TPH GRO

QC Batch: 65604 56057 Prep Batch:

Analytical Method: Date Analyzed:

Sample Preparation:

S 8015B 2009-11-25 2009-11-25 Prep Method: S 5035 Analyzed By: MT

MTPrepared By:

RLParameter Flag Result GRO 117

Units Dilution 5 mg/Kg

Spike Percent Recovery Surrogate Flag Result Units Dilution Amount Recovery Limits 86.9 - 113 Trifluorotoluene (TFT) 1.61 mg/Kg 5 2.0080 6 mg/Kg 56.2 - 130 4-Bromofluorobenzene (4-BFB) 3.13 5 2.00 156

⁴High surrogate recovery due to peak interference.

⁵Surrogate recovery out due to dilution caused by hydrocarbons in the sample.

⁶High surrogate recovery due to peak interference.

700562.83.02

Work Order: 9112506 Riverwolf #10

Page Number: 7 of 27 Eddy County, New Mexico

Sample: 215793 - North Wall Middle 4' from bottom

Laboratory: Lubbock

Analysis:

BTEX, Total BTEX

Analytical Method: Date Analyzed:

S 8021B 2009-11-25 Prep Method: S 5035 Analyzed By: MT

QC Batch: 65602 Prep Batch: 56057

Sample Preparation: 2009-11-25

Prepared By: MT

RL

Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.0200	mg/Kg	1	0.0200
Toluene		< 0.0200	mg/Kg	1	0.0200
Ethylbenzene		< 0.0200	mg/Kg	1	0.0200
Xylene		< 0.0200	mg/Kg	1	0.0200
Total BTEX		< 0.0600	mg/Kg	1	0.0600

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		1.93	mg/Kg	1	2.00	96	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.91	mg/Kg	1	2.00	96	72.8 - 115

Sample: 215793 - North Wall Middle 4' from bottom

Laboratory: Lubbock

Analysis: SPLP CI 65835

Analytical Method:

E 300.0 2009-12-08 Prep Method: SPLP 1312 Analyzed By: SS

QC Batch: Prep Batch: 56265

Date Analyzed: SPLP Extraction:

RL

2009-12-04

SS Prepared By:

Sample Preparation: 2009-12-07

Prepared By: SS

Parameter	Flag	Result	Units	Dilution	RL
SPLP Chloride		83.6	mg/L	5	0.500

Sample: 215793 - North Wall Middle 4' from bottom

Laboratory: Lubbock

Analysis:

TPH DRO - NEW

Analytical Method:

Mod. 8015B

Prep Method: N/A Analyzed By: AW

QC Batch: Prep Batch: 56070

65615

Date Analyzed: Sample Preparation:

2009-11-27 2009-11-25

Prepared By: AW

Parameter	Flag	Result	Units	Dilution	RL
DRO		< 50.0	mg/Kg	1	50.0

700562.83.02

Work Order: 9112506

Riverwolf #10

Page Number: 8 of 27 Eddy County, New Mexico

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Tricosane		102	mg/Kg	1	100	102	38.6 - 167

Sample: 215793 - North Wall Middle 4' from bottom

Laboratory: Lubbock

Analysis: TPH GRO QC Batch: 65604 Prep Batch: 56057

Analytical Method: S 8015B

Date Analyzed: 2009-11-25 Sample Preparation: 2009-11-25

Prep Method: S 5035 Analyzed By: MT Prepared By: MT

RL

		1013			
Parameter	Flag	Result	Units	Dilution	RL
GRO		< 2.00	mg/Kg	1	2.00

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Triffuorotoluene (TFT)	7	2.30	mg/Kg	1	2.00	115	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.04	mg/Kg	1	2.00	102	56.2 - 130

Sample: 215794 - Bottom Middle

Laboratory: Lubbock

BTEX, Total BTEX Analysis: QC Batch: 65602 Prep Batch: 56057

Analytical Method: Date Analyzed:

S 8021B 2009-11-25 Sample Preparation: 2009-11-25 Prep Method: S 5035 Analyzed By: MT Prepared By: MT

		m RL			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		0.136	mg/Kg	2	0.0200
Toluene		0.205	mg/Kg	2	0.0200
Ethylbenzene		3.67	mg/Kg	2	0.0200
Xylene		3.50	mg/Kg	2	0.0200
Total BTEX		7.51	mg/Kg	2	0.0600

					. Spike	Percent	Recovery
Surrogate	Flag	Result	$\bf Units$	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	8	1.20	mg/Kg	2	2.00	60	71.8 - 112
4-Bromofluorobenzene (4-BFB)	9	3.16	mg/Kg	2	2.00	158	72.8 - 115

⁷High surrogate recovery. Sample non-detect, result bias high.

⁸Surrogate recovery out due to dilution caused by hydrocarbons in the sample.

⁹High surrogate recovery due to peak interference.

700562.83.02

Work Order: 9112506

Riverwolf #10

Page Number: 9 of 27 Eddy County, New Mexico

Sample: 215794 - Bottom Middle

Laboratory: Lubbock

Analysis: QC Batch: SPLP C1 65835

Analytical Method:

Date Analyzed:

E 300.0

2009-12-08

Prep Method: Analyzed By: SS Prepared By:

SS SS

Prep Batch: 56265

SPLP Extraction: Sample Preparation:

2009-12-04 2009-12-07

Prepared By:

RL

Parameter SPLP Chloride Flag Result 281

Units mg/L Dilution 10

RL0.500

SPLP 1312

Sample: 215794 - Bottom Middle

Laboratory:

Lubbock

Analysis: QC Batch: TPH DRO - NEW

Analytical Method:

Mod. 8015B

Prep Method: N/A Analyzed By: AW

Prep Batch:

65653 56107

Date Analyzed: Sample Preparation: 2009-11-30 2009-11-30

Prepared By: AW

RL

Parameter	Flag	Result	Units	Dilution	RL
DRO		626	mg/Kg	1	50.0

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Tricosane		137	mg/Kg	1	100	137	38.6 - 167

Sample: 215794 - Bottom Middle

Laboratory: Analysis:

Lubbock TPH GRO

QC Batch: 65604 Prep Batch: 56057

Analytical Method: Date Analyzed:

Sample Preparation:

S 8015B 2009-11-25 2009-11-25 Prep Method: S 5035 Analyzed By: MT

Prepared By: MT

RLResult Dilution RLParameter Flag Units 2 2.00 GRO 200 mg/Kg

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	10	1.30	mg/Kg	2	2.00	65	86.9 - 113
4-Bromofluorobenzene (4-BFB)	11	6.23	mg/Kg	2	2.00	312	56.2 - 130

¹⁰Surrogate recovery out due to dilution caused by hydrocarbons in the sample.

¹¹ High surrogate recovery due to peak interference.

700562.83.02

Work Order: 9112506 Riverwolf #10

Page Number: 10 of 27 Eddy County, New Mexico

Sample: 215795 - South Top 4' down middle

Laboratory: Lubbock

Analysis:

BTEX, Total BTEX

QC Batch: 65602 Prep Batch: 56057 Analytical Method:

S 8021B

Date Analyzed: 2009-11-25 Sample Preparation: 2009-11-25 Prep Method: S 5035 Analyzed By: MT

MT

Prepared By:

RL

Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.0200	mg/Kg	1	0.0200
Toluene		< 0.0200	mg/Kg	1	0.0200
Ethylbenzene		0.0384	mg/Kg	1	0.0200
Xylene		0.0442	mg/Kg	1	0.0200
Total BTEX		0.0826	mg/Kg	1	0.0600

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		1.91	mg/Kg	1	2.00	96	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.96	mg/Kg	1	2.00	98	72.8 - 115

Sample: 215795 - South Top 4' down middle

Laboratory: Lubbock

Analysis: SPLP CI QC Batch: 65834

Analytical Method:

E 300.0 2009-12-07 Prep Method: SPLP 1312 Analyzed By: SS

Prep Batch: 56264

Date Analyzed: SPLP Extraction:

2009-12-04

Prepared By: SS

Sample Preparation: 2009-12-07 Prepared By: SS

RL

Parameter	Flag	Result	Units	Dilution	RL
SPLP Chloride		27.8	mg/L	1	0.500

Sample: 215795 - South Top 4' down middle

Laboratory: Lubbock

Analysis:

TPH DRO - NEW

Analytical Method:

Mod. 8015B

Prep Method: N/A Analyzed By: AW

QC Batch: Prep Batch: 56070

65615

Date Analyzed:

2009-11-27 Sample Preparation: 2009-11-25

Prepared By: AW

Parameter	Flag	Result	Units	Dilution	RL
DRO		172	mg/Kg	1	50.0

700562.83.02

Work Order: 9112506 Riverwolf #10

Page Number: 11 of 27 Eddy County, New Mexico

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Tricosane		112	mg/Kg	1	100	112	38.6 - 167

Sample: 215795 - South Top 4' down middle

Laboratory: Lubbock

Analysis: TPH GRO QC Batch: 65604 Prep Batch: 56057

Analytical Method: S 8015B Date Analyzed: 2009-11-25

Sample Preparation: 2009-11-25

Prep Method: S 5035 Analyzed By: MTPrepared By: MT

RL

Parameter	Flag	Result	Units	Dilution	RL
GRO		2.84	mg/Kg	1	2.00

					Spike	Percent	Recovery
Surrogate	\mathbf{Flag}	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		2.23	mg/Kg	1	2.00	112	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.26	mg/Kg	1	2.00	113	56.2 - 130

Sample: 215796 - East Top 4' down middle

Laboratory:

Lubbock

Analysis: BTEX, Total BTEX QC Batch: 65602 Prep Batch: 56057

Analytical Method: S 8021B Date Analyzed: 2009-11-25 Sample Preparation: 2009-11-25

Prep Method: S 5035 Analyzed By: MTPrepared By: MT

Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.0200	mg/Kg	1	0.0200
Toluene		< 0.0200	mg/Kg	1	0.0200
Ethylbenzene		< 0.0200	mg/Kg	1	0.0200
Xylene		< 0.0200	mg/Kg	1	0.0200
Total BTEX		< 0.0600	mg/Kg	1	0.0600

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		1.94	mg/Kg	1	2.00	97	71.8 - 112
4-Bromofluorobenzene (4-BFB)		2.03	mg/Kg	1	2.00	102	72.8 - 115

700562.83.02

Work Order: 9112506 Riverwolf #10

Page Number: 12 of 27 Eddy County, New Mexico

Sample: 215796 - East Top 4' down middle

Laboratory: Lubbock

Analysis: QC Batch:

Prep Batch: 56264

SPLP CI 65834

Analytical Method: Date Analyzed:

SPLP Extraction:

E 300.0

2009-12-07

2009-12-04

Sample Preparation: 2009-12-07

Analyzed By: SS

SPLP 1312 Prep Method:

SS Prepared By:

SS Prepared By:

		RL			
Parameter	Flag	Result	Units	Dilution	RL
SPLP Chloride		3.12	mg/L	1	0.500

Sample: 215796 - East Top 4' down middle

Laboratory:

Lubbock

Analysis: QC Batch:

Prep Batch: 56070

TPH DRO - NEW

65615

Analytical Method: Date Analyzed:

Mod. 8015B

2009-11-27 2009-11-25

Prep Method: N/A

Analyzed By: AW Prepared By: AW

RL

Parameter	Flag	Result	Units	Dilution	m RL
DRO		< 50.0	mg/Kg	1 .	50.0

Sample Preparation:

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		98.6	mg/Kg	1	100	99	38.6 - 167

Sample: 215796 - East Top 4' down middle

Laboratory:

Lubbock TPH GRO Analysis:

QC Batch: 65604 Prep Batch: 56057

Analytical Method: Date Analyzed:

S 8015B 2009-11-25 Sample Preparation: 2009-11-25 Prep Method: S 5035 Analyzed By: MT

Prepared By: MT

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 2.00	mg/Kg	1	2.00

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	12	2.28	mg/Kg	1	2.00	114	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.12	mg/Kg	1	2.00	106	56.2 - 130

¹²High surrogate recovery. Sample non-detect, result bias high.

700562.83.02

Work Order: 9112506 Riverwolf #10

Page Number: 13 of 27 Eddy County, New Mexico

Sample: 215797 - West Top 4' down middle

Laboratory: Lubbock

Prep Batch: 56057

Analysis: QC Batch: BTEX, Total BTEX

65602

Analytical Method:

S 8021B

Date Analyzed: Sample Preparation: 2009-11-25

2009-11-25

Analyzed By:

Prep Method: S 5035 MT

Prepared By: MT

RI

		ILL			
Parameter	Flag	Result	\mathbf{Units}	Dilution	RL
Benzene		< 0.0200	mg/Kg	1	0.0200
Toluene		< 0.0200	mg/Kg	1	0.0200
Ethylbenzene		< 0.0200	mg/Kg	1	0.0200
Xylene		< 0.0200	mg/Kg	1	0.0200
Total BTEX		< 0.0600	mg/Kg	1	0.0600

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		1.82	mg/Kg	1	2.00	91	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.90	mg/Kg	1	2.00	95	72.8 - 115

Sample: 215797 - West Top 4' down middle

Laboratory:

Lubbock

SPLP CI Analysis: QC Batch: 65834

Analytical Method:

E 300.0 2009-12-07 Prep Method: Analyzed By:

SPLP 1312 SS

Prep Batch: 56264

Date Analyzed: SPLP Extraction:

2009-12-04 Sample Preparation: 2009-12-07 Prepared By: SS Prepared By: SS

		RL			
Parameter	Flag	Result	Units	Dilution	\mathbf{RL}
SPLP Chloride		14.8	mg/L	1	0.500

Sample: 215797 - West Top 4' down middle

Laboratory:

Lubbock

Analysis:

TPH DRO - NEW

Analytical Method:

Mod. 8015B

Prep Method: N/A Analyzed By:

QC Batch: Prep Batch:

DRO

65615 56070

Date Analyzed: Sample Preparation: 2009-11-27 2009-11-25

Prepared By:

AW AW

RL

Result <50.0 Units

Dilution

RL

50.0

Parameter Flag

mg/Kg

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Work Order: 9112506 Riverwolf #10

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane		98.1	mg/Kg	1	100	98	38.6 - 167

Sample: 215797 - West Top 4' down middle

Laboratory: Lubbock

TPH GRO Analysis: QC Batch: 65604 Prep Batch: 56057

Analytical Method: S 8015B Date Analyzed: 2009-11-25

Sample Preparation: 2009-11-25

Prep Method: S 5035 Analyzed By: MT Prepared By: MT

RL

Parameter	Flag	Result	Units	Dilution	RL
GRO		3.49	mg/Kg	1	2.00

					Spike	Percent	Recovery
Surrogate	Flag	Result	$\mathbf{U}_{\mathbf{nits}}$	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		2.12	mg/Kg	1	2.00	106	86.9 - 113
4-Bromofluorobenzene (4-BFB)		1.87	mg/Kg	1	2.00	94	56.2 - 130

Sample: 215798 - North Top 4' down middle

Laboratory:

Lubbock

Analysis: BTEX, Total BTEX QC Batch: 65602 Prep Batch: 56057

Analytical Method: S 8021B Date Analyzed: 2009-11-25 Sample Preparation: 2009-11-25

Prep Method: S 5035 Analyzed By: MTPrepared By: MT

Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.0200	mg/Kg	1	0.0200
Toluene		< 0.0200	mg/Kg	1	0.0200
Ethylbenzene		< 0.0200	mg/Kg	1	0.0200
Xylene		< 0.0200	mg/Kg	1	0.0200
Total BTEX		< 0.0600	mg/Kg	1	0.0600

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		1.76	mg/Kg	1	2.00	88	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.80	mg/Kg	1	2.00	90	72.8 - 115

700562.83.02 Riverwolf #10

Page Number: 15 of 27 Eddy County, New Mexico

SS

Analyzed By:

Sample: 215798 - North Top 4' down middle

Laboratory: Lubbock

Analysis: SPLP Cl Analytical Method: E 300.0 Prep Method: SPLP 1312

Work Order: 9112506

QC Batch: 65834 Date Analyzed: 2009-12-07
Prep Batch: 56264 SPLP Extraction: 2009-12-04
Sample Proportion: 2009-12-07

SPLP Extraction: 2009-12-04 Prepared By: SS Sample Preparation: 2009-12-07 Prepared By: SS

RL

Sample: 215798 - North Top 4' down middle

Laboratory: Lubbock

TPH DRO - NEW Analysis: Analytical Method: Mod. 8015B Prep Method: N/A Date Analyzed: Analyzed By: OC Batch: 65615 2009-11-27 AW Prep Batch: 56070 Sample Preparation: 2009-11-25 Prepared By: AW

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Tricosane		101	mg/Kg	1	100	101	38.6 - 167

Sample: 215798 - North Top 4' down middle

Laboratory: Lubbock

Analysis: TPH GRO Analytical Method: S 8015B Prep Method: S 5035 QC Batch: Date Analyzed: Analyzed By: 65604 2009-11-25 MT Sample Preparation: Prepared By: MT Prep Batch: 56057 2009-11-25

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		2.06	mg/Kg	1	2.00	103	86.9 - 113
4-Bromofluorobenzene (4-BFB)		1.93	mg/Kg	1	2.00	96	56.2 - 130

700562.83.02

Work Order: 9112506 Riverwolf #10

Page Number: 16 of 27 Eddy County, New Mexico

Sample: 215799 - South Wall 4' from bottom

Laboratory: Lubbock

Analysis: BTEX, Total BTEX

QC Batch: 65602 Prep Batch: 56057 Analytical Method: S 8021B

Date Analyzed: 2009-11-25 Sample Preparation: 2009-11-25 Prep Method: S 5035 Analyzed By: MT

MT

Prepared By:

RI.

		161			
Parameter	Flag	Result	Units	Dilution	RL
Benzene		< 0.0200	mg/Kg	1	0.0200
Toluene		< 0.0200	mg/Kg	1	0.0200
Ethylbenzene		< 0.0200	mg/Kg	1	0.0200
Xylene		< 0.0200	mg/Kg	1	0.0200
Total BTEX		< 0.0600	mg/Kg	1	0.0600

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		1.83	mg/Kg	1	2.00	92	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.89	mg/Kg	1	2.00	94	72.8 - 115

Sample: 215799 - South Wall 4' from bottom

Laboratory: Lubbock

Prep Batch: 56265

SPLP CI Analysis: QC Batch: 65835

Analytical Method: Date Analyzed:

SPLP Extraction:

Sample Preparation:

E 300.0 2009-12-08

2009-12-04 2009-12-07 Prep Method: SPLP 1312

Analyzed By: SS Prepared By: SS Prepared By: SS

RL

Parameter	Flag	Result	Units	Dilution	RL
SPLP Chloride		84.7	mg/L	5	0.500

Sample: 215799 - South Wall 4' from bottom

Laboratory: Lubbock

TPH DRO - NEW Analysis: QC Batch: 65615 Prep Batch: 56070

Analytical Method: Date Analyzed:

Mod. 8015B 2009-11-27 Sample Preparation: 2009-11-25

Prep Method: N/A Analyzed By: AW Prepared By: AW

Parameter	Flag	Result	Units	Dilution	RL
DRO		< 50.0	mg/Kg	1	50.0

700562.83.02

Work Order: 9112506 Riverwolf #10 Page Number: 17 of 27 Eddy County, New Mexico

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Tricosane		100	mg/Kg	1	100	100	38.6 - 167

Sample: 215799 - South Wall 4' from bottom

Laboratory: Lubbock

Analysis: TPH GRO QC Batch: 65604 Prep Batch: 56057 Analytical Method: S 8015B
Date Analyzed: 2009-11-25
Sample Preparation: 2009-11-25

 9-11-25
 Prep Method:
 S 5035

 9-11-25
 Analyzed By:
 MT

 9-11-25
 Prepared By:
 MT

RL

Parameter	Flag	Result	Units	Dilution	RL
GRO		< 2.00	mg/Kg	1	2.00

					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		2.12	mg/Kg	1	2.00	106	86.9 - 113
4-Bromofluorobenzene (4-BFB)		2.01	mg/Kg	1	2.00	100	56.2 - 130

Method Blank (1) QC Batch: 65602

 QC Batch:
 65602
 Date Analyzed:
 2009-11-25

 Prep Batch:
 56057
 QC Preparation:
 2009-11-25

Date Analyzed: 2009-11-25 Analyzed By: MT QC Preparation: 2009-11-25 Prepared By: MT

MDL

Parameter	Flag	Result	${f Units}$	m RL
Benzene		< 0.00331	mg/Kg	0.02
Toluene		< 0.00528	mg/Kg	0.02
Ethylbenzene		< 0.00448	mg/Kg	0.02
Xylene		< 0.00456	mg/Kg	0.02

				•	Spike	Percent	Recovery
Surrogate	\mathbf{Flag}	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		1.79	mg/Kg	1	2.00	90	71.8 - 112
4-Bromofluorobenzene (4-BFB)		1.68	mg/Kg	1	2.00	84	72.8 - 115

Method Blank (1) QC Batch: 65604

QC Batch: 65604 Date Analyzed: 2009-11-25 Analyzed By: MT
Prep Batch: 56057 QC Preparation: 2009-11-25 Prepared By: MT

700562.83.02

Work Order: 9112506 Riverwolf #10 Page Number: 18 of 27 Eddy County, New Mexico

Parameter	Flag		Result		Unit		RL
GRO			< 0.403		mg/K	g	2
					Spike	Percent	Recovery
Surrogate	\mathbf{Flag}	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		2.01	mg/Kg	1	2.00	100	86.9 - 113
4-Bromofluorobenzene (4-BFB)	ł	1.83	mg/Kg	1	2.00	92	56.2 - 130
			6/6	-			

QC Batch: 65615 Prep Batch: 56070 Date Analyzed: 2009-11-27 QC Preparation: 2009-11-25 Analyzed By: AW Prepared By: AW

				MDL			
Parameter		Flag		Result	1	Jnits	RL
DRO		<4.66		111	50		
					Spike	Percent	Recovery
Surrogate	Flag	Result	\mathbf{Units}	Dilution	Amount	Recovery	Limits
n-Tricosane		111	mg/Kg	1	100	111	38.6 - 167

Method Blank (1) QC Batch: 65653

QC Batch: 65653 Prep Batch: 56107 Date Analyzed: 2
QC Preparation: 2

2009-11-30 2009-11-30 Analyzed By: AW Prepared By: AW

				MDL			
Parameter Flag		Result	1	RL			
DRO		<4.66	II	50			
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
n-Tricosane		114	mg/Kg	1	100	114	38.6 - 167

Method Blank (1) QC Batch: 65834

QC Batch: 65834 Prep Batch: 56264 Date Analyzed: 2009-12-07 QC Preparation: 2009-12-07

Analyzed By: SS Prepared By: SS

 MDL

 Parameter
 Flag
 Result
 Units
 RL

 SPLP Chloride
 0.927
 mg/L
 0.5

700562.83.02

Work Order: 9112506 Riverwolf #10

Page Number: 19 of 27 Eddy County, New Mexico

Method Blank (1)

QC Batch: 65835

QC Batch: Prep Batch: 56265

65835

Date Analyzed:

2009-12-08

Analyzed By: SS

QC Preparation:

2009-12-07

Prepared By: SS

MDL

Parameter SPLP Chloride Flag

Result 0.924

Units mg/L

RL0.5

Laboratory Control Spike (LCS-1)

QC Batch:

65602

Date Analyzed:

2009-11-25

Analyzed By: MT

Prep Batch:

56057

QC Preparation:

2009-11-25

Prepared By: MT

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Benzene	1.84	mg/Kg	1	2.00	< 0.00331	92	78.9 - 113
Toluene	1.86	mg/Kg	1	2.00	< 0.00528	93	78.3 - 116
Ethylbenzene	1.78	mg/Kg	1	2.00	< 0.00448	89	79.1 - 117
Xylene	5.37	mg/Kg	1	6.00	< 0.00456	90	79.6 - 116

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Benzene	1.85	mg/Kg	1	2.00	< 0.00331	92	78.9 - 113	0	20
Toluene	1.85	mg/Kg	1	2.00	< 0.00528	92	78.3 - 116	0	20
Ethylbenzene	1.78	mg/Kg	1	2.00	< 0.00448	89	79.1 - 117	0	20
Xylene	5.34	mg/Kg	1	6.00	< 0.00456	89	79.6 - 116	1	20

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

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	1.89	1.92	mg/Kg	1	2.00	94	96	70.8 - 111
4-Bromofluorobenzene (4-BFB)	1.76	1.77	mg/Kg	1	2.00	88	88	68.3 - 117

Laboratory Control Spike (LCS-1)

QC Batch: Prep Batch:

65604

56057

Date Analyzed: QC Preparation:

2009-11-25

2009-11-25

Analyzed By: MT

Prepared By: MT

	LCS			Spike	Matrix		Rec.
Param	Result	\mathbf{Units}	Dil.	Amount	Result	Rec.	Limit
GRO	19.5	mg/Kg	1	20.0	< 0.403	98	72.6 - 121

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

700562.83.02

Work Order: 9112506 Riverwolf #10

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Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	20.4	mg/Kg	1	20.0	< 0.403	102	72.6 - 121	4	20

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

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	1.94	1.97	mg/Kg	1	2.00	97	98	75.2 - 112
4-Bromofluorobenzene (4-BFB)	1.90	1.91	mg/Kg	1	2.00	95	96	54.9 - 133

Laboratory Control Spike (LCS-1)

QC Batch: Prep Batch: 56070

65615

Date Analyzed:

2009-11-27 QC Preparation: 2009-11-25 Analyzed By: AW

Prepared By: AW

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
DRO	250	mg/Kg	1	250	< 4.66	100	70 - 130

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
DRO	262	mg/Kg	1	250	<4.66	105	70 - 130	5	20

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

	LCS	LCSD			Spike	LCS	LCSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	${f Limit}$
n-Tricosane	112	113	mg/Kg	1	100	112	113	38.6 - 167

Laboratory Control Spike (LCS-1)

QC Batch:

65653

Prep Batch: 56107

Date Analyzed: QC Preparation: 2009-11-30

2009-11-30

Analyzed By: AW

Prepared By: AW

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
DRO	292	mg/Kg	1	2 50	< 4.66	117	70 - 130

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
DRO	248	mg/Kg	1	250	<4.66	99	70 - 130	16	20

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

700562.83.02

Work Order: 9112506 Riverwolf #10

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Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
n-Tricosane	126	109	mg/Kg	1	100	126	109	38.6 - 167

Laboratory Control Spike (LCS-1)

QC Batch:

65834 Prep Batch: 56264 Date Analyzed:

2009-12-07 2009-12-07

Analyzed By: SS

QC Preparation:

Prepared By: SS

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
SPLP Chloride	23.9	mg/L	1	25.0	< 0.137	96	90 - 110

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
SPLP Chloride	23.9	mg/L	1	25.0	< 0.137	96	90 - 110	0	20

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

Laboratory Control Spike (LCS-1)

QC Batch:

65835

Date Analyzed:

2009-12-08

Analyzed By: SS Prepared By: SS

Prep Batch: 56265

QC Preparation: 2009-12-07

	LCS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
SPLP Chloride	23.5	mg/L	1	25.0	< 0.137	94	90 - 110

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

	LCSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
SPLP Chloride	24.4	mg/L	1	25.0	< 0.137	98	90 - 110	4	20

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

Matrix Spike (MS-1)

Spiked Sample: 215791

QC Batch:

65602 Prep Batch: 56057

Date Analyzed:

2009-11-25

Analyzed By: MT

QC Preparation: 2009-11-25

Prepared By: MT

	MS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Benzene	1.71	mg/Kg	1	2.00	< 0.00331	86	61.5 - 134
Toluene	1.83	mg/Kg	1	2.00	< 0.00528	92	64.2 - 143

700562.83.02

Work Order: 9112506 Riverwolf #10

Page Number: 22 of 27 Eddy County, New Mexico

matrix spikes continued ...

	MS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
Ethylbenzene	1.87	mg/Kg	1	2.00	< 0.00448	94	67.7 - 152
Xylene	5.62	mg/Kg	1	6.00	< 0.00456	94	67.8 - 152

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

	MSD			Spike	Matrix		Rec.		RPD
Param	\mathbf{Result}	\mathbf{U} nits	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
Benzene	1.57	mg/Kg	1	2.00	< 0.00331	78	61.5 - 134	8	20
Toluene	1.66	mg/Kg	1	2.00	< 0.00528	83	64.2 - 143	10	20
Ethylbenzene	1.72	mg/Kg	1	2.00	< 0.00448	86	67.7 - 152	8	20
Xylene	5.14	mg/Kg	1	6.00	< 0.00456	86	67.8 - 152	9	20

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

	MS	MSD			Spike	MS	MSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	1.70	1.57	mg/Kg	1	2	85	78	65.3 - 134
4-Bromofluorobenzene (4-BFB)	1.75	1.59	mg/Kg	1	2	88	80	61.9 - 143

Matrix Spike (MS-1) Spiked Sample: 215793

QC Batch:

65604

Date Analyzed:

2009-11-25

Analyzed By: MT

Prep Batch: 56057

Prepared By: MT

QC Preparation: 2009-11-25

	MS			Spike	Matrix		$\mathbf{Rec}.$
Param	Result	\mathbf{Units}	Dil.	Amount	Result	Rec.	Limit
GRO	17.7	mg/Kg	1	20.0	< 0.403	88	34.1 - 160

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

	MSD			Spike	Matrix		Rec.		RPD
Param	\mathbf{Result}	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
GRO	20.1	mg/Kg	1	20.0	< 0.403	100	34.1 - 160	13	20

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

	MS	MSD			Spike	MS	MSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
Trifluorotoluene (TFT)	1.98	2.17	mg/Kg	1	2	99	108	56.9 - 137
4-Bromofluorobenzene (4-BFB)	2.10	2.18	mg/Kg	1	2	105	109	42.1 - 171

Matrix Spike (MS-1) Spiked Sample: 215791

QC Batch:

65615

Date Analyzed:

2009-11-27

Analyzed By: AW

Prep Batch: 56070

QC Preparation: 2009-11-25

Prepared By: AW

700562.83.02

Work Order: 9112506 Riverwolf #10

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			MS			Spike	Matrix		Rec.
Param			Result	Units	Dil.	Amount	Result	Rec.	Limit
DRO	•	 13	280	mg/Kg	1	250	118	65	70 - 130

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

		MSD			Spike	Matrix		Rec.		RPD
Param		Result	\mathbf{Units}	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
DRO	14	231	mg/Kg	1	250	118	45	70 - 130	19	20

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

	MS	MSD			Spike	MS	MSD	Rec.
Surrogate	Result	Result	\mathbf{Units}	Dil.	Amount	Rec.	Rec.	Limit
n-Tricosane	102	101	mg/Kg	1	100	102	101	38.6 - 167

Matrix Spike (MS-1)

Spiked Sample: 215794

QC Batch:

65653

Date Analyzed:

2009-11-30

Analyzed By: AW Prepared By: AW

Prep Batch: 56107

QC Preparation: 2009-11-30

	MS			Spike	Matrix		Rec.
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit
DRO	926	mg/Kg	1	250	626	120	70 - 130

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

	MSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
DRO	814	mg/Kg	1	250	626	75	70 - 130	13	20

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

	MS	MSD			Spike	MS	MSD	Rec.
Surrogate	Result	Result	Units	Dil.	Amount	Rec.	Rec.	Limit
n-Tricosane	149	131	mg/Kg	1	100	149	131	38.6 - 167

Matrix Spike (MS-1)

Spiked Sample: 215799

QC Batch:

65834

Date Analyzed:

QC Preparation:

2009-12-07

Analyzed By: SS

Prep Batch: 56264

2009-12-07

Prepared By: SS

		MS			Spike	Matrix		Rec.
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit
SPLP Chloride	15	128	mg/L	1	25.0	< 0.137	512	49.8 - 149

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

¹³ Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

¹⁴Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

¹⁵Matrix spikes run with samples, but spiked sample was re-run in another batch. •

700562.83.02

Work Order: 9112506 Riverwolf #10

Page Number: 24 of 27 Eddy County, New Mexico

		MSD			Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
SPLP Chloride	16	126	mg/L	1	25.0	< 0.137	504	49.8 - 149	2	20

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

Matrix Spike (MS-1)

Spiked Sample: 215794

QC Batch:

65835 Prep Batch: 56265 Date Analyzed:

2009-12-08 QC Preparation: 2009-12-07 Analyzed By: SS

Prepared By: SS

	MS			Spike	Matrix		Rec.
Param	Result	\mathbf{Units}	Dil.	Amount	Result	Rec.	Limit
SPLP Chloride	525	mg/L	10	250	281	98	49.8 - 149

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

	MSD			Spike	Matrix		Rec.		RPD
Param	Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Limit
SPLP Chloride	521	mg/L	10	250	281	96	49.8 - 149	1	20

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

Standard (CCV-1)

QC Batch: 65602

Date Analyzed: 2009-11-25

Analyzed By: MT

			CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		mg/Kg	0.100	0.0917	92	80 - 120	2009-11-25
Toluene		mg/Kg	0.100	0.0921	92	80 - 120	2009-11-25
Ethylbenzene		mg/Kg	0.100	0.0886	89	80 - 120	2009-11-25
Xylene		mg/Kg	0.300	0.267	89	80 - 120	2009-11-25

Standard (CCV-2)

QC Batch: 65602

Date Analyzed: 2009-11-25

Analyzed By: MT

	•		\mathbf{CCVs}	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		mg/Kg	0.100	0.0935	94	80 - 120	2009-11-25
Toluene		mg/Kg	0.100	0.0928	93	80 - 120	2009-11-25
Ethylbenzene		mg/Kg	0.100	0.0892	89	80 - 120	2009-11-25
Xylene		mg/Kg	0.300	0.266	89	80 - 120	2009-11-25

¹⁶Matrix spikes run with samples, but spiked sample was re-run in another batch. •

Report Date: December 8, 2009 700562.83.02

Work Order: 9112506 Riverwolf #10 Page Number: 25 of 27 Eddy County, New Mexico

Standard ((CCV-	3)
DVALLAGE		~,

QC Batch: 65602

Date Analyzed: 2009-11-25

Analyzed By: MT

			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		mg/Kg	0.100	0.0932	93	80 - 120	2009-11-25
Toluene		mg/Kg	0.100	0.0904	90	80 - 120	2009-11-25
Ethylbenzene		mg/Kg	0.100	0.0865	86	80 - 120	2009-11-25
Xylene		mg/Kg	0.300	0.260	87	80 - 120	2009-11-25

Standard (CCV-1)

QC Batch: 65604

Date Analyzed: 2009-11-25

Analyzed By: MT

			CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
GRO		mg/Kg	1.00	0.984	98	80 - 120	2009-11-25

Standard (CCV-2)

QC Batch: 65604

Date Analyzed: 2009-11-25

Analyzed By: MT

			CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
GRO		mg/Kg	1.00	0.850	85	80 - 120	2009-11-25

Standard (CCV-3)

QC Batch: 65604

Date Analyzed: 2009-11-25

Analyzed By: MT

			CCVs	CCVs	CCVs	Percent	
			$\mathbf{T}_{\mathbf{rue}}$	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
GRO		mg/Kg	1.00	0.903	90	80 - 120	2009-11-25

Standard (CCV-1)

QC Batch: 65615

Date Analyzed: 2009-11-27

Analyzed By: AW

	Report Date: December 8, 2009 700562.83.02			ork Order: 9112 Riverwolf #10		umber: 26 of 27 ity, New Mexico	
Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO	Flag	mg/Kg	250	257	103	80 - 120	2009-11-27
		***************************************	200	20.	100	00 120	2000 11 2
Standard	(CCV-2)						
QC Batch:	65615		Date Anal	yzed: 2009-11	-27	Anal	yzed By: AW
			CCVs True	CCVs Found	CCVs Percent	Percent Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
DRO		mg/Kg	250	263	105	80 - 120	2009-11-27
Standard	(CCV-1)						
QC Batch:	65653	•	Date Anal	yzed: 2009-11	-30	Anal	yzed By: AW
			CCVs	CCVs	\mathbf{CCVs}	Percent	
_		** *:	True	Found	Percent	Recovery	Date
Param DRO	Flag	Units	Conc. 250	Conc. 245	Recovery 98	Limits 80 - 120	Analyzed 2009-11-30
DRO		mg/Kg	230	240	90	00 - 120	2009-11-30
Standard	(CCV-2)						
QC Batch:	65653		Date Anal	yzed: 2009-11	-30	Analy	yzed By: AW
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
DRO		mg/Kg	250	246	98	80 - 120	2009-11-30
Standard ((CCV-1)						
QC Batch:	65834		Date Ana	lyzed: 2009-12	2-07	Ana	lyzed By: SS
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param		Flag Unit		Conc.	Recovery	Limits	Analyzed
SPLP Chlor	ride	mg/l	25.0	23.8	95	90 - 110	2009-12-07

Date Analyzed: 2009-12-07

QC Batch: 65834

Analyzed By: SS

Report Date: December 8, 2009 Work Order: 9112506 Page Number: 27 of 27 700562.83.02 Riverwolf #10 Eddy County, New Mexico **CCVs CCVs CCVs** Percent True Found Percent Recovery Date Param Flag Units Conc. Conc. Recovery Limits Analyzed SPLP Chloride 2009-12-07 mg/L 25.0 23.6 94 90 - 110 Standard (CCV-1) QC Batch: 65835 Date Analyzed: 2009-12-08 Analyzed By: SS CCVsCCVs**CCVs** Percent True Found Percent Recovery Date Flag Param Units Conc. Conc. Recovery Limits Analyzed SPLP Chloride 25.0 23.4 94 90 - 110 2009-12-08 mg/L Standard (CCV-2) QC Batch: 65835 Date Analyzed: 2009-12-08 Analyzed By: SS **CCVs CCVs CCVs** Percent True Found Percent Recovery Date Limits Analyzed Param Flag Units Conc. Conc. Recovery SPLP Chloride mg/L 25.0 23.9 96 90 - 110 2009-12-08

BioAquatic Testing 2501 Mayes Rd.. Ste 100 Carrollton, Texas 75006 Tel (972) 242-7750 サイン ö S d Ca, Mg, K, Иa, TDS, EC or Specify Method NOS, Alkalinity 'EON Cl. Fl. °204 **ANALYSIS REQUEST** Moisture Content Dry Weight Basis Required Check If Special Reporting Limits Are Needed **BOD, TSS, pH** TRRP Report Required Pesticides 8081 / 608 PCB's 8082 / 608 200 East Sunset Rd., Suite E El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3433 GC/MS Semi, Vol. 8270 / 625 REMARKS CC/W2 AOI: 8500 / 654 **BCI** Dary In TCLP Pesticides TCLP Semi Volatiles Circle \$ TCLP Volatiles AB USE 7 TCLP Metals Ag As Ba Cd Cr Pb Se Hg ONLY Log-in-Review Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7 Intagi Y / N 5002 Basin Street, Suite A1 Midland, Texas 79703 Tel (432) 689-6301 Fax (432) 689-6313 229 \ 0728 HA9 TPH 8015 GRO / DRO / TVHC TPH 418.1 / TX1005 / TX1005 Ext(C35) INST TAKE COR 1.4 % Carrier # 8021 / 602 / 8260 / 624 X3T8 -8021 / 602 / 8260 / 624 **BTM** OBS OBS COR COR INST INST csummers A falon be com 1-24-4 1330 -24-5/1248 1-24-01 1430 -24-011300 1-24-01/326 14-09 1300 1-24-49 1430 1-24-414-40 1-24-011310 SAMPLING **BMIT** Time: Time: Time: 1709 **DATE** Suile 6701 Aberdeen Avenue. Suite Lubbock, Texas 79424 Tel (806) 794-1296 Fax (806) 794-1298 1 (800) 378-1298 5068-746 60, 11-24-01 #10 Date: PRESERVATIVE Phone #: (#32) 230 - 76 NONE Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C. Project Name: ICE METHOD HOSN lator/OF Company: Company: Company 'OS^zH HMO 575-HCI E-mail: VICT LANGUAGE SCUDGE Received by: Received by: Received by MATRIX FraceAnalysis, Inc. ЯIA TIOS 88210 **MATER** email: lab@traceanalysis.com 20/1 405 0220 204 402 402 11-24-09 5:29 402 401 405 704 InnomA \ emuloV Time: Time: Time: M # CONTAINERS Talon/185 4-25-09 East wall Middle 4 from poton 192 West Well Mille 4 From bottom 743 Wathwar Middle 4 From bottom Artesta down middle dann middle down middle Date: 9112506 hown middle Date: Date: ath wall 4 from bottom 62 FIELD CODE 194 Bottom Middle 12 Summers Company: Clox, Companý: Company Project Logation (including state) Project #: 700562. 083. (Street, City, Zip) Q, alon //. West Tao #'. 104 Hermosa 795 Sath Top 4 East Too # (If different from above) 798 Wath Ton LAB Order ID # Relinquished by: Relingajshed by: Relinguished by Contact Person: Company Name とと 36, AB USE 797 15791 Invoice to Address LAB# CNL

PIOH

Turn Around Time if different from standard

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T	16. TRANSPORTER (1)		·	17.	TF	RANSPO	RTER	(2)	
R∠. A	NAME: Talon LPE			NAME:					
N	TEXAS I.D. NO.			TEXAS I.D. NO.					
S P	IN CASE OF EMERGENCY CONTACT:	Tom	Dewey	IN CASE OF EME	RGENC	Y CONTAC	CT: .		
Ō	EMERGENCY PHONE: (576)	002-3	826 -	EMERGENCY PH	ONE:	• .		· · · · · · · · · · · · · · · · · · ·	·
R T.	18. TRANSPORTER (1): Acknowledgment of	of receipt	of material	19. TRANSPOI	RTER	(2): Ackno	wledgmer	nt of receipt of m	aterial
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R \ S	SIGNATURE 2/101/06/199			SIGNATURE				DATE	
		ADDI	RESS:			· · · · ·	PHO	NE:	
D E	Lea Land, LLC			e Marker 64, U.		-	30,	505-88	7-4048
D F I A			30 N	Miles East of Ca	ırlsbad	<u>i, NM</u>		<u>.</u>	
S C P I	PERMIT NO. WM-01-035 - New Mex	ico	en.	20. COMMENTS	,				
O L S I A T	21.DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such w		N: I Hereby	certify that the above	described	l wastes we	ere delivere	ed to this facility	, that the
L Y	AUTHORIZÊD SIGNATURE	7>	· ·	CELL NO.	. نـ	·DATI	E 11/22/0	09 TU	ME)/55

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

	1300 WEST MAIN S		IA CITY, OK 73106 • 1	PHONE (405) 236-4	1257	1	:mini
ŇŌI	MANAMENTANIA SOO ORINANIA	FEST NO	071254	1. PA	GEOF	2. TRAIL	ER NO.	
eren Villa	3. COMPANY NAME	4. ADDRESS			5.1	PIĆK-UP DATE	* -	
\mathbf{G} .	OP America Production Company	1945 Bluesten		, ,		11/23/09		
	PHONE NO.	CITY	STATE			TNRCC I.D. NO).	:
E .	7. NAME OR DESCRIPTION OF WASTE SHIPP	<u>Arhesia</u>	. NA	8. CON	TAINERS	9. TOTAL	10. UNIT	11. TEXAS
				No.	Туре	QUANTITY	Wt/Vol.	WASTE ID #
N	a. Non-Regulated, Non Hazardous VV	aste		1	CM			
	b .			1				
E	c.		•	-				· · · · · ·
	W. 2042/ @24	0~(B)) h m)	<u> </u>	<u> </u>			
R	12. COMMENTS OR SPECIAL INSTRUCTIONS	Solution of the	X = (4)	·	.	13. WASTE P	DOEII E N	
	RIVERVIOLE # 10		,			13, WASTEP	KOLIĽE N	0. 606523
A						<u> </u>		ONGORE
· A	14. IN CA	PHONE NO	ENCY OR SPIL	L, CO	TACT		EMERGE	NCV NO
T	Kin Slaughter	575-387-404	8			24-HOUR	EWIEKGE	NCT NO.
0	is GENERATOR'S CERTIFICATION shipping name and are classified, packed, marked, a international and national government regulations, in	nd labolad and are in	all recognic in proper c	andition f	ar teamana	t by bighway ac	cordina to s	policable
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T	i6. TRANSPORTER (1)		17.	TF	ANSPO	ORTER (2)		
R A	NAME: Talon LPE		NAME:				-	. Š
N	TEXAS I.D. NO.		TEXAS I.D. NO.					¥7.
S	IN CASE OF EMERGENCY CONTACT:	Tom Devery	IN CASE OF EMI	ERGENC	Y CONTA	CT:		
ō	EMERGENCY PHONE: (575)) 602-3826	EMERGENCY PH	IONE:	_*. <u>^</u> .			
R T	18. TRANSPORTER (1): Acknowledgment	of receipt of material	19. TRANSPO	RTER	(2): Ackn	owledgment of r	eceipt of m	aterial
E	PRINTED/TYPED NAME	· · · · · · · · · · · · · · · · · · ·	PRINTED/TYPEI	NAME			<u>-</u>	
R S	SIGNATURE	DATE 11/23/	OSIGNATURE				ATE	
	SIGNATURB	- Daile	SIGNATURE		<u> </u>	4. 2. 1	AIE	<u>-</u>
	Lea Land, LLC	ADDRESS:	e Marker 64, U	С Цт	v 62/19	PHONE:	505-88	7-4048
D F	Lea Land, ELC	1	Miles East of C		•	50,	303-00	7-4040
I A	PERMIT NO.	301	20. COMMENTS		7 - 1414			····
S C P I	WM-01-035 - New Mex	cico						
O L	21.DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the abo				wastes w	ere delivered to	this facility	, that the
S I A T	facility is authorized and permitted to receive such							· · · · · · · · · · · · · · · · · · ·
L Y	AUTHORIZED SIGNATURE	(, F.	CELL NO.		DAT	E 4-1/23/09	TI	ME 30
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MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

i .	1300 WEST MAIN S	LLA LA TREET • OKLAHOM	A CITY, OK 73106 • F	HONE (105) 236-42	257) en	oo' h'
NO	NHAZÁARDOUS WASTELMANII	EEST NO	071255	1. PÅ	GEOF_	2. TRAIL	ER NO.	35
G E	3. COMPANY NAME EP America Production Company PHONE NO.	4. ADDRESS 1945 Bluestern CITY Artesia	Road STATE		ZIP 6. T	ICK-UP DATE 1 1/23/09 NRCC I.D. NO	10. UNIT	11. TEXAS
	7. NAME OR DESCRIPTION OF WASTE SHIPPI	ED:		No.	Туре	QUANTITY	Wt/Vol.	WASTE ID #
N	Mon-Regulated, Non Hazardoua W	aste .	·		CM.		<u>. </u>	
E	c.					•		
R	M. 10580 235	x 32	2600					
A	12. COMMENTS OR SPECIAL INSTRUCTIONS RIVER WOLF # 10					13. WASTE P	ROFILE NO	o 608623
1	14. IN CA	SE OF EMERG	g-re	L, CON	TACT	in the second of		
T	NAME Kin Slaughter	PHONE NO 575-887-404	, , , , , , , , , , , , , , , , , , , ,			24-HOUR	EMERGEN	NCY NO.
O	15 GENERATOR'S CERTIFICATION shipping name and are classified, packed, marked, at international and national government regulations, in	nd labeled and are in a	Il respects in proper co	ndition fo	or transport	hy highway acc	ording to a	nolicable
R	PRINTED/TYPED NAME		SIGNATURE			e or	***	DATE
T R	16. TRANSPORTER (1)		17.	TR	ANSPO	RTER (2)	,	• •
A	NAME: Talon LPE		NAME:	•				- TS
N S	TEXAS I.D. NO.	Toma Campana	TEXAS I.D. NO.		• •	1.		
P	IN CASE OF EMERGENCY CONTACT:	Tom Devrey) 602-3826	IN CASE OF EME	الرائد	' CONTAC	T:	· .	
R T	18. TRANSPORTER (1): Acknowledgment		19. TRANSPO	RTER ((2): Ackno	wledgment of r	eccipt of m	aterial
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D F	Lea Land, LLC		Marker 64, U. Miles East of Ca	j : .	•	0, PHONE:	505-88	7-4048
I A S C P I	PERMIT NO. WM-01-035 - New Mex		20 COMMENTS	***	,			
O L S I A T	21.DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such		certify that the above	described	wastes we	re delivered to	his facility,	, that the
LY	AUTHORIZED SIGNATURE	ntiveus	CELL NO.		"`DATE	11/23/09	TIM	⁴ E \ 30

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

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7. · · · · · · · · · · · · · · · · · · ·	٢,	
(and)		
COCI	ł	7 1 /4 /

ŊŌ	NHKVZÁÝRDOUS WASTĚL MANITERST	ŅО	071257	1. PAG	GEOF_	2. TRAII	ER NO.	
	I I	DRESS	- · · · · · · · · · · · · · · · · · · ·		5. P	IÇK-UP DATE		
G	BP America Production Company 184	5 Siuestem	Road			11/23/09	· · ·	
	PHONE NO.	. :	STATE		ZIP 6 T	NRCC I.D. NO),	•
E	Arte	eia	Mid	882				<u>.</u>
	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	1		8. CONT	TAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	II. TEXAS WASTE ID #
N	a. Mon-Regulated, Non-Hazardous Waşte	and a sector.		4	CM		: .	
179	5 200 (BUPS) 102X	13/1	9,740					
E	c		,					
R	d, ivi	,						· ·
	12. COMMENTS OR SPECIAL INSTRUCTIONS:					13. WASTE P	ROFILE NO	,
A	RIVER/MOLF # 10	Copy to the	الأقامر المراجع المراجع				· · · · · ·	000523
			ENCY OR SPILI	L, CON	TACT		,,	
T		DNE NO 75-887-404	8		· :	24-HOUR	EMERGEN	ICY NO.
	15.GENERATOR'S CERTIFICATION: 1 Here	by declare that	the contents of this con	nsignmen	t are fully	and accurately	described ab	ove by proper
0	shipping name and are classified, packed, marked, and label international and national government regulations, including	ed, and are in a	Il respects in proper co	ndition fo	r transport	by highway ac	cording to a	pplicable
R.	PRINTED/TYPED NAME		SIGNATURE	.,				DATE
5.	la l	· · · · · · · · · · · · · · · · · · ·				, , , , , , , , , , , , , , , , , , ,	.1 <u>e K.</u>	<u></u> .
T	16. TRANSPORTER (1)		17.	TR	ANSPO	RTER (2)		
R A	NAME: Tolon LPE	,	NAME:		÷			
N	TEXAS I.D. NO.		TEXAS I.D. NO.		•	•		4.5
S	IN CASE OF EMERGENCY CONTACT:	in Dewey	IN CASE OF EME	RGENCY	CONTAC	T:	<u>.</u> ,	
Ō	EMERGENCY PHONE: (575) 502	3826	EMERGENCY PHO	ONE:		٠.		
R	18. TRANSPORTER (1): Acknowledgment of recei	pt of material	19. TRANSPOR		2): Ackno	wledgment of i	eccipt of ma	aterial
E	PRINTED/TYPED NAME HOITE Galir	100	PRINTED/TYPED	NAME_	٠ <u>١ - النيازية .</u>	.,		·
R Ş	SIGNATURE Maira Gulido DATE	1 1/23/	SIGNATURE			È	ATE	
	and the second s	DRESS:	No. 1 Mars No. 1	- 0 0	. 4.44	PHONE:	To the state of	
	Lea Land, LLC		Marker 64, U.	S Hw	v 62/18	1	505-88	7-4048
D F	Bea Land, EDE		Miles East of Ca			9,	202 00	, 1010
I A S C	PERMIT NO.		20. COMMENTS	·		··-•	J. 1	
PI	WM-01-035 - New Mexico	•	har.					
O L S I	21.DISPOSAL FACILITY'S CERTIFICATION	ON: I Hereby	certify that the above of	described	wastes we	re delivered to	this facility,	that the
A T	facility is authorized and permitted to receive such wastes.		<u> </u>		21			
L Y	AUTHORIZED SIGNATURE		CELL NO.	•	DATE	11/23/09	TIN	/IE

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

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1300 WEST MAIN STREET	OKL:	AHOMA	CITY.	OK 73106 4	 PHONE (405) 236-4257

	the state of the s	•	20 00 00 00 00 00 00 00 00 00 00 00 00 0				1 - 1-	1 - 1 1
ŇŌŊ	HAZARDOUS WASTEMANIA	EST NO	071269	1. PAGE	OF_	_ 2. TRAII	ER NO.	2-10
	3. COMPANY NAME	4. ADDRESS		7.	5. P	CK-UP DATE		:•
\mathbf{G}	BP America Froduction Company	1945 Bluestern	Road			11/23/09		
	PHONE NO.	CITY	STATE	ZII	P · 6. T	NRCC I.D. NO) <u>.</u>	
		Andaman m	fait. A	86210				•
E		Artesia	NM .	8: CONTA		9. TOTAL	10. UNIT	11, TEXAS
	7. NAME OR DESCRIPTION OF WASTE SHIPPE	ED:				QUANTITY	Wt/Vol.	WASTE ID #
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	b.				,			
	!** 			· .	•			
E	c.						;	
	WY LID XUI)	<u>·</u>					-	
\mathbf{R}					*.			
•	12. COMMENTS OR SPECIAL INSTRUCTIONS:	:		•		13. WASTE P	ROFILE N	o.
	RIVERWOLF # 10	•	· ·					606523
A		anner de	Description of the second	<i>j.</i> '				
	14 IN CA	SE OF EMERG	ENCY OR SPILI	L, CONT	ACT.	 	<u>, , , , , , , , , , , , , , , , , , , </u>	·
т	NAME	PHONE NO		<u> </u>		24-HOUR	EMERGE	NCY NO.
	Kin Slaughter	575-887-404	8					
٠.	15.GENERATOR'S CERTIFICATION:	I Hereby declare that	the contents of this co	ncignment a	re fully a	nd accurately	lescribed al	nove by proper
\mathbf{o}_{\cdot}	shipping name and are classified, packed, marked, an	d labeled, and are in a	Il respects in proper co	ndition for t	ransport	by highway ac	ording to a	pplicable
	international and national government regulations, in	cluding applicable sta	te regulations, and are (the same ma	iterials pi	eviõusly appro	ived by LE	A'LAND, LLC
_ :	PRINTED/TYPED NAME	· · · · · · · · · · · · · · · · · · ·	SIGNATURE					DATE
R		3	Property of the		. ` .			5.4 65
	the second secon		e man a porta de	er grania	ئى ئىدىن	ويراث فالإستان	1700 - 163	* - 12 2
T	16. TRANSPORTER (1)		17.	TRA	NSPO	RTER (2)		
R	NAME: Talon LPE		NAME:					
A	Total the state of						·	Ċ.
N S	TEXAS I.D. NO.		TEXAS I.D. NO.					'
.p	IN CASE OF EMERGENCY CONTACT:	Tem Deviey	IN CASE OF EME	RGENCY C	ONTAC	T: ·		. •
o	p provide par	602-3928		**				
R	EMERGENCY PHONE: (0/5) 18. TRANSPORTER (1): Acknowledgment of	, , ,	EMERGENCY PHO		A chair	uladoment of	eceint of	oteriol
T		· .	19. I KAINSPUP	z i mrz (4)	. ACKIO	AICHRIGHT OF I	eccibi di III	aiciidi
E	PRINTED/TYPED NAME SUITE KMO G	ome 2	PRINTED/TYPED	NAME			<u>,, , , , , , , , , , , , , , , , , , ,</u>	<u>. </u>
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	The second secon	ADDRESS:	I see a see a see a	1,41	,	PHONE:	C & C	
:	Lea Land, LLC		Marker 64, U.	C IJ	60/1 04	, ,	505 00	7-4048
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ΓÂ.		30 N	Miles East of Ca	irisbad, i	NM .			
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PI	WM-01-035 - New Mex	ico						
) L	DIODOCAL DA CHI TING		<u> </u>		•		i	
5 I	21.DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such w		certify that the above of	described wa	astes wer	e delivered to	this facility	, that the
T	ractive, is audiorized and permitted to receive such w	asies.						
. Y	AUTHORIZED SIGNATURE		CELL NO.	· 1	DATE	11/23/09	/Tir	ر (-AiE
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MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

,		TREET • OKLAHOM	ND, LLC A CITY, OK 73106 • F	PHONE ((405) 236	-4257	+++	3
NÓN	HAZAR DOUS WASTIEMANIE	EST NO	071268	t. PA	.GEO	F 2. TRAIL	ER NO.	DI
G	3. COMPANY NAME BP. America Fraduction Company PHONE NO.	4. ADDRESS 1945 Bluestem CITY	Røad State			PICK-UP DATE 11/23/09 TNRCC I.D. NO		
E	7. NAME OR DESCRIPTION OF WASTE SHIPPE	Artesia ED:	NIM		Z10 TAINER Type	S 9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
N.	a. Non-Regulated, Non Hazardous Wa	rste		1	CIM			· ·
Ë	b.	5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			٠.			- ·
R	dut LICO LILIO						· .	
A.	12. COMMENTS OR SPECIAL INSTRUCTIONS: RIVERWOLF # 10			<u> </u>	<u> </u>	13. WASTE P	ROFILE N	o. 806523
T	IA. IN CA NAME Kin Slaughter	SE OF EMERG PHONE NO 575-887-404		L, CO	NTACT		EMERGE	NCY NO.
ο.	15.GENERATOR'S CERTIFICATION: shipping name and are classified, packed, marked, are international and national government regulations, in	id labeled and are in a	Il respects in proper co	indition f	or transpo	ort by highway acc	cording to a	pplicable
R	PRINTED/TYPED NAME		SIGNATURE	, ·	*^ *		al es	DATE
T R A	16. TRANSPORTER (1) NAME: Talon LIPE		17. NAME:	TI	RANSP	ORTER (2)		
N S	TEXAS I.D. NO.		TEXAS I.D. NO.					
P O	IN CASE OF EMERGENCY CONTACT: EMERGENCY PHONE: (575)	Tom Dewey) 602 -3926	IN CASE OF EME EMERGENCY PH	٠.	Y CONT	ACT:	j.	
R T E	18. TRANSPORTER (1) Acknowledgment of	J	19. TRANSPOI	RTER	` .**	nowledgment of r	éceipt of m	aterial
R S	SIGNATURE allean Los . V.	DATE 11/23/	One Signature				ATE	
D F	Lea Land, LLC	د غر د د د د د د د د د د د د د د د د د د	Marker 64, U.			180,	505-88	7-4048
IA SC PI DL	PERMIT NO. WM-01-035 - New Mex	ico	20: COMMENTS		· · · · · · · · · · · · · · · · · · ·		·	
S I	21 DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such v			describe	d wastes	were delivered to	this facility	, that the
L·Y	AUTHORIZED SIGNATURE	Milains	CELL,NO.	. ,	DA	TE 11/23/09	TI). /

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

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ŃON	PHAZARDOUS WASTE MANI	EEST NO	071267	1. PAGE_	_OF	2. TRAILER NO	р.
	3. COMPANY NAME	4. ADDRESS			5. PICK	-UP DATE	
G	SP America Production Company PHONE NO.	1945 Bluestern CITY	Road STATE	ZIP		273/00 CC LD. NO.	
E	7. NAME OR DESCRIPTION OF WASTE SHIPPI	ED:	5.41A3	8. CONTAIN No. Ty		TOTAL 10. U	,
N	a. Non-Regulated, Non Hazardous Wa	iste:		1 6	М		
	b.						
E .	c.			, , , , , , , , , , , , , , , , , , ,	7 30 % 4 %		
R	wr. 27400						
A	12. COMMENTS OR SPECIAL INSTRUCTIONS: RIVERWOLF # 10			e e en e	13.	WASTE PROFIL	e no. 60 6 523
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4,	14. 'IN CA		ENCY OR SPILI	L, CONTA		A HOVE EVER	AGENTON NO
T.	Min Slaughter	PHONE NO 575-987-404	(10 15 15 15 15 15 15 15 15 15 15 15 15 15			24-HOUR EMER	GENCY NO.
ο:	15.GENERATOR'S CERTIFICATION shipping name and are classified, packed, marked, ar international and national government regulations, in	id labeled, and are in a	Il respects in proper con	ndition for trar	isport by I	ighway according	to applicable
R	PRINTED/TYPED NAME		SIGNATURE				DATE
T	16. TRANSPORTER (1)		17.	TRAN	SPORT	ER (2)	
R A	NAME: Talon LFE		NAME:	110, 1(1)		LK (2)	
Ņ S	TEXAS I.D. NO.		TEXAS I.D. NO.			in de la companya de La companya de la co	
P	IN CASE OF EMERGENCY CONTACT:	Tom Deviey	IN CASE OF EME	RGENCY COI	NTACT:		
R		1 602-3826	EMERGENCY PHO	ONE.	าก กละเล	n sa ang an canang sa nan gan dan dan dan dan dan dan dan dan dan d	4. ≥ .
Ť	18. TRANSPORTER (1): Acknowledgment	of receipt of material	19. TRANSPOR	RTER (2): A	Acknowled	Igment of receipt	of material
E R	PRINTED/TYPED NAME / ROUTE	KUB	PRINTED/TYPED	NAME .	<u></u>	3 30 30 4 6 6	
S	SIGNATURE LANGUERIO	DATE 1723	OSIGNATURE	The state of the s	ing Line of Reservations	DATE	
		ADDRESS:	<u> </u>		<i>'</i>	PHONE:	per transfer of the second
ĎБ	Lea Land, LLC		Marker 64, U. Ailes East of Ca			505-	887-4048
I A	PERMIT NO.	1 1 1 1 1 1 1	20. COMMENTS	A - 170 - 170	· · · · · · · · · · · · · · · · · · ·		• • • • • • • • • • • • • • • • • • • •
S C P I	WM-01-035 - New Mex	ico	20. COMMENTS			•	
OL SI AT	21. DISPOSAL FACILITY'S CERTIFIC facility is authorized and permitted to receive such w		certify that the above of	lescribed wast	es were de	livered to this fac	ility, that the
LY	AUTHORIZED SIGNATURE	Va	CELL NO.		DATE 11	/23/09	TIME 215

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

LEA LAND, LLC
1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

		·	·				111	
NON	HAZARDOUS WASTE MANIE	EST NO	071266	1. PAGE	OF	2. TRAIL	ER NO.	330
	3. COMPANY NAME	4. ADDRESS			5. PIC	K-UP DATE		
G	GP America Production Company	1945 Bluestem		<u></u>		1/23/09		
	PHONE NO.	CITY	STATE	ZIF	6. TNF	CC I.D. NO).	
E		abordering .	EIKA .	ಕ್ಷಿ CONTA). TOTAL:	10. UNIT	II. TEXAS
	7. NAME OR DESCRIPTION OF WASTE SHIPPE	BD:				UANTITY	Wt/Vol.	WASTE ID #
N	a. Non-Regulated, Non Hazardous Wa	ista		1	GM		* .	
	b.			, ,	22191			
E		· · · ·		· ·				
	c.						,	
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A	12. COMMENT'S OR SPECIAL INSTRUCTIONS:	• • • • • • • • • • • • • • • • • • • •	<u> </u>		113	. WASTE P	ROFILE N) 0
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	Lea Land, LLC	Mile	Marker 64, U.	S. Hwy	62/180,		505-88	7-4048
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PI	WM-01-035 - New Mex	ico						
	21 DISPOSAL FACILITY'S CERTIFIC		certify that the above of	described w	astes were	delivered to	this facility	, that the
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MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

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MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA	CITY, OF	K 73106 •	PHONE (405)	236-4257

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MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (505) 887-4048

LEA LAND, LLC
1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

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	Lea Land, LLC		Mile	Marker 64, U.S	S. Hw	y 62	′180,	5	505-88	7-4048
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GENERATOR: COPIES 1 & 6

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1300 WEST MAIN STREET	 OKLAHOMA CITY OK 	73106 • PHONE (405) 236-4257
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٠	12. COMMENTS OR SPECIAL INSTRUCTIONS:				,	13. WASTE P	ROFILE N	О.
A	RIVERWOLF # 10						· ·.	606523
	14. IN CA	SE OF EMEDO	ENCY OR SPILI	CON	TÁČT			
T	NAME	PHONE NO	ENCT ON STILL	<u>., COI</u>	TACI,	24-HOUR	EMERGE	NCY NO.
1	Kin Slaughter	575-687-404	3 ;			,		
_	15.GENERATOR'S CERTIFICATION:	I Hereby declare that	the contents of this cor	nsignmen	t arë fully a	ind accurately	described al	oove by proper
0	shipping name and are classified, packed, marked, ar international and national government regulations, in	id labeled, and are in a icluding applicable sta	Il respects in proper con e regulations, and are t	ndition fo	r transport	by highway ac	cording to a	pplicable A LAND, LLC
	PRINTED/TYPED NAME	,0,11	SIGNATURE	(145) 541:	संबंधका जन्मी	<u>ខ្យុំ និង ដើម្បី</u> ទីទីទីទ		DATE
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T R	16. TRANSPORTER (1)		17.	TR	ANSPO	RTER (2)		•
A	NAME: <u>Talon LPE</u>		NAME:					
N	TEXAS I.D. NO.		TEXAS I.D. NO.		• .		-	.
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ò		602-3826	EMERGENCY PHO		•			<i>.</i>
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	Lea Land, LLC	Mile	Marker 64, U.S	S. Hw	y 62/180	0,	505-88	7-4048
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-	3. COMPANY NAME 4. ADDRESS			5. PI	CK-UP DATE		•
\mathbf{G}	BP America Production Company 👋 1945 Bluestern	Road			11/24/09	•	
•	PHONE NO. CITY	STATE	Z	IP . 6. TI	NRCC I.D. NO		
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т	NAME PHONE NO				24-HOUR	EMERGE	NCY NO.
1	Kin/Slaughter 575-987-404	9		F 40	٠.		
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O	shipping name and are classified, packed, marked, an	nd labeled, and are in a	all respects in proper con	ndition for	transport	by highway acc	cording to a	pplicable
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Ŕ	NAME: Talon LEE			· 7				
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0	EMERGENCY PHONE: (575)	602-3826	EMERGENCY PHO	ONE:			R. B. S.	•
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