District I
1625 N French Di , Hobbs, NM 88240
District II
811 S First St , 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

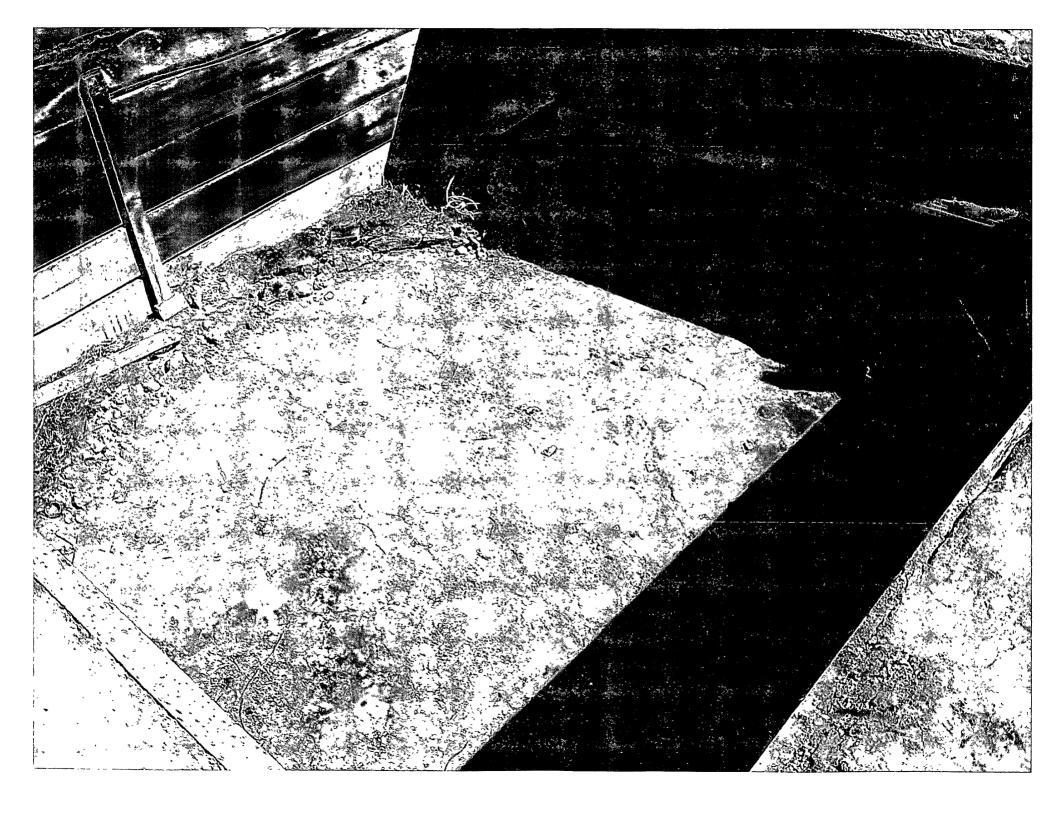
Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19 15 29 NMAC

Release Notification and Corrective Action

						OPERA	OR		☐ Initia	l Report		Final Report
Name of Co							urtney Cochran					
Address 20			gton, NM	87401			lo.: 505-326-94					
Facility Nan	ne Leepe	r GC 1A			l	Facility Typ	e: Natural Gas	Well				
Surface Own	ner: Fee			Mineral Ov	wner:	Fee			API No	. 3004522	13400	
				LOCA	TION	OF REI	EASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/We	st Line	County S	San Juan	n
C	34	T32N	R10W	800	North		1590	West				
			Lati	tude36 94	679	Longitud	le107 8728	32				
				NATI	URE	OF RELI	EASE					
Type of Relea	ase Motor	oil					Release unknow	vn V	olume R	ecovered	none	
Source of Rel	case 95 bl	bl BGT					our of Occurrence	e E	Date and I	Hour of Dis	covery	5/3/2012
***		2 0				unknown	1111					
Was Immedia	ite Notice C		Yes 🗵	No Not Rec	guired	If YES, To	Whom ⁷					
By Whom?					1	Date and H	our		······································			
Was a Watero	course Reac	hed?					lume Impacting the	he Waterc	ourse			
			Yes 🗵] No								
If a Watercou	rse was Im	pacted, Descri	be Fully *	k		1.			507	OVD MAY	C1-1 1-5 a	
										JVV MMT. IL CONS.		۷
									1_#		-	ļ
										DIST.	ď	
During the clo	osure of 95 osure no vis	bbl BGT a 5 psual impacts w	ooint com ere noted	n Taken * posite sample was and the OVM field as or chlorides were	d monit	or indicated (0 ppm reading	The labor	atory ana	lysis found	1500 T	PH by
Describe Area												
The vertical a	nd aerial ex	tent of the im	pacts will	be investigated wi	th a bac	ckhoe						
regulations al public health should their o or the environ	l operators or the envir perations h iment In a	are required to conment The ave failed to a	report ar acceptanc dequately CD accep	is true and completed of a C-141 report investigate and retained for a C-141 report investigate and retained of a C-141 reference of a	lease no t by the mediate	otifications are NMOCD made contamination	d perform correct arked as "Final Re on that pose a thre	tive action eport" doc eat to grou	s for rele s not rela and water.	ases which eve the oper , surface wa	may end ator of ter, hun	danger liability nan health
			\mathcal{M}				OIL CONS	<u>SERVA</u>	TION	DIVISIO	N	
Signature (~	V(-	<u> </u>					\wedge	_	10 1		
Printed Name	Courtney	Cochran	-		1	Approved by	Environmental Sp	occialist.	ma	N ()/V	PMM	
Title Field E						Approval Dat	6/04/20.	2 Ex	piration I	Date.	()
E-mail Addre	ss <u>Courtn</u>	ey Cochran@	bp com			Conditions of Approval			•	Attached		
Date 5/30/20	012			Phone 326-945	57							

BLAGG ENGINEERING, INC. CLIENT: BP P.O. BOX 87. BLOOMFIELD. NM 87413	API#. 3004522734
CLIENT: 137 P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	TANK ID (if applicable).
FIELD REPORT: (circle one) BGT CONFIRMATION RELEASE INVESTIGATION / OTHER:	PAGE # of
SITE INFORMATION: SITE NAME: LEEPER GC 1A	DATE STARTED 5-3-12
QUAD/UNIT: C SEC 34 TWP: 32N' RNG: 10W PM. NYMCNTY. ST ST. NYM	DATE FINISHED: 5-3-12
1/4 -1/4/FOOTAGE: NEWW LEASE TYPE: FEDERAL / STATE FEE DINDIAN	
REFERENCE POINT: WELL HEAD (W.H.) GPS COORD. 36 94687 V 107	
REFERENCE POINT: WELL HEAD (W.H.) GPS COORD. 36.94685 x 107. 1) 95 BGT (A) GPS COORD 36.947179 x 107.872592 DISTANCE	
2) GPS COORD DISTANCE	BEARING FROM W H
3) GPS COORD. DISTANCE/	BEARING FROM WH,
4) GPS COORD DISTANCE/	BEARING FROM W H
SAMPLING DATA: CHAIN OF CUSTODY RECORD(S) # OR LAB USED HALL	OVM READING
1) SAMPLE ID 5-Pt 0 6 SAMPLE DATE 5-3-12 SAMPLETINE 1555 LAB ANALYSIS TP	1/BTEX/CL 0.0
2) SAMPLE ID SAMPLE DATE SAMPLE TIME LAB ANALYSIS	
3) SAMPLE ID SAMPLE TIME LAB ANALYSIS	
4) SAMPLE ID: SAMPLE DATE LAB ANALYSIS	
SOIL DESCRIPTION: SOIL TYPE GAND/SILTY SAND SILT / SILTY CLAY / CLAY / GRAV	EL/OTHER
SOIL COLOR COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE PLASTICITY (CLAYS) NON PLASTIC / SLIGHTLY PLASTICITY (CLAYS)	
COHESION (ALL OTHERS) (AON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE PLASTICITY (CLAYS) NON PLASTIC / SLIGHTLY PLASTICITY (COHESIVE SOILS) (LOOSE / F)RM / DENSE / VERY DENSE DENSITY (COHESIVE CLAYS & SILTS).	
MOISTURE DRY (SLIGHTLY MOIST / MOIST / WETT SATURATED / SUPER SATURATED HC ODOR DETECTED. YES //NO) E	
SAMPLE TYPE GRAB COMPOSITE - # OF PTS. 5 DISCOLORATION/STAINING OBSERVED YES INO EXPLANATION -	KÇVD.MHY.3I.112
BIGGOEDICATION OF AMERICA TECHNOLOGY	OIL CONS. DIV.
ANY AREAS DISPLAYING WETNESS YES / NO EXPLANATION-	DIST. 3
ADDITIONAL COMMENTS. TANK IN 14 X14 x6 Deep Wood lined Celler	
EXCAVATION DIMENSIONS (if applicable)	DO TPH CLOSURE STD: 100 PPM
SITE SKETCH PLOT PLAN circle: attached OWN	CALIB READ = 51-7 ppm RF = 0.52
95 B6T 0W	CALIB. GAS = 100 ppm
95 BGT OWN IN WOOD TIME	1602 am/pm DATE 5/3/12
Ce was	MISCELL. NOTES
Δ	J 15 2594
<u> </u>	211970
₹	SCHWILBLOT
Tan LD	
	BGT Sidewalls Visible: (Y) N / NA
OTES: BGT = BELOW-GRADE TANK, E D = EXCAVATION DEPRESSION; B G = BELOW GRADE, B = BELOW, T H. = TEST HOLE, ~ = APPROX,	BGT Sidewalls Visible: Y / N / NA
THAT THE TAIL I BOADEL OF THE TAIL SHEET DIVINGE WALL DO SINGLE BUTTOM, UB - DOUBLE BUTTOM	agnetic declination: 10 °E
TRAVEL NOTES CALLOUT: ONSITE: \$-3.7017	





Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL 505-345-3975 FAX 505-345-4107 Website www.hallenvironmental.com

May 17, 2012

Jeff Blagg

Blagg Engineering

P. O. Box 87

Bloomfield, NM 87413

TEL: (505) 320-1183 FAX (505) 632-3903

RE: Leeper GC 1A OrderNo.: 1205438

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/9/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1205438

Date Reported 5/17/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering Project:

Lab ID:

Leeper GC 1A

1205438-001

Matrix: SOIL

Client Sample ID: 95 BGT 5-pt @ 6'

Collection Date: 5/3/2012 3:55:00 PM Received Date: 5/9/2012 9:50:00 AM

Analyses	Result	RL (Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANG	E ORGANICS					Analyst JMP
Diesel Range Organics (DRO)	280	99		mg/Kg	10	5/14/2012 1 38 47 PM
Surr DNOP	0	82 1-121	S	%REC	10	5/14/2012 1 38 47 PM
EPA METHOD 8015B: GASOLINE RA	NGE					Analyst RAA
Gasoline Range Organics (GRO)	ND	48		mg/Kg	1	5/12/2012 1 39 37 AM
Surr BFB	104	69 7-121		%REC	1	5/12/2012 1 39 37 AM
EPA METHOD 8021B: VOLATILES						Analyst RAA
Benzene	ND	0 048		mg/Kg	1	5/12/2012 1 39 37 AM
Toluene	ND	0 048		mg/Kg	1	5/12/2012 1 39 37 AM
Ethylbenzene	ND	0 048		mg/Kg	1	5/12/2012 1 39 37 AM
Xylenes, Total	ND	0 097		mg/Kg	1	5/12/2012 1 39 37 AM
Surr 4-Bromofluorobenzene	94 1	80-120		%REC	1	5/12/2012 1 39 37 AM
EPA METHOD 300.0: ANIONS						Analyst BRM
Chloride	ND	30		mg/Kg	20	5/14/2012 7 40 50 AM
EPA METHOD 418.1: TPH						Analyst JMP
Petroleum Hydrocarbons, TR	1,500	200		mg/Kg	10	5/14/2012

Qualifiers:

*/X Value exceeds Maximum Contaminant Level

Value above quantitation range

J Analyte detected below quantitation limits

RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits

В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Reporting Detection Limit

Page 1 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#

1205438

17-May-12

Client: Project:	Blagg En Leeper G	_								
Sample ID	MB-1915	SampType	e MBLK	Tes	tCode EF	PA Method	300.0: Anions	3		
Client ID	PBS	Batch ID	1915	F	RunNo 27	733				
Prep Date	5/14/2012	Analysis Date	5/14/2012	(SeqNo 75	5788	Units mg/K	g		
Analyte		Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1 5							
Sample ID	LCS-1915	SampType	e LCS	Tes	tCode EF	PA Method	300.0: Anions	<u> </u>		
Client ID	LCSS	Batch ID	1915	F	RunNo 27	733				
Prep Date	5/14/2012	Analysis Date	5/14/2012	5	SeqNo 75	5789	Units mg/K	g		
Analyte		Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	15 15 00	0	92 2	90	110			
Sample ID	1205557-001AMS	SampType	e MS	Tes	tCode EF	PA Method	300.0: Anions	5		
Client ID	BatchQC	Batch ID	1915	F	Run No 27	733				
Prep Date	5/14/2012	Analysis Date	5/14/2012	5	SeqNo 75	5791	Units mg/K	g		
Analyte		Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chlonde		24	7 5 15 00	11 19	85 3	74 6	118			
Sample ID	1205557-001AMS) SampType	e MSD	Tes	tCode EF	PA Method	300.0: Anions	s		
Client ID	BatchQC	Batch ID	1915	F	RunNo 27	733				
Prep Date	5/14/2012	Analysis Date	5/14/2012	(SeqNo 75	5792	Units mg/K	g		
Analyte		Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chlonde		24	75 15 00	11 19	85 2	74 6	118	0 0538	20	
Sample ID	1205471-002AMS	SampType	e MS	Tes	tCode EF	PA Method	300.0 Anions	 3		
Client ID	BatchQC	Batch ID	1915	F	RunNo 27	751				
Prep Date	5/14/2012	Analysis Date	5/14/2012	5	SeqNo 76	6429	Units mg/K	g		
Analyte		Result F	PQL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		41	15 15 00	26 78	91 7	74 6	118			
Sample ID	1205471-002AMSI	SampType	e MSD	Tes	tCode EF	PA Method	300.0: Anions	•		

Sample ID	1205471-002AMSD) SampType	MSD	Test	tCode E	EPA Method	300.0: Anion	s		
Client ID	BatchQC	Batch ID	1915	R	RunNo 2	2751				
Prep Date	5/14/2012	Analysis Date	5/14/2012	S	SeqNo 7	76430	Units mg/K	g		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		42	15 15 00	26 78	103	74 6	118	4 20	20	

Qualifiers:

*/X Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#

1205438 17-May-12

Client:

Blagg Engineering

Client:	Biagg E	engineering						
Project:	Leeper	GC 1A						
Sample ID	MB-1901	SampType	MBLK	TestC	ode EPA Method	418.1: TPH		<u> </u>
Client ID	PBS	Batch ID	1901	Rur	nNo 2740			
Prep Date	5/11/2012	Analysis Date	5/14/2012	Sec	No 76094	Units mg/Kg		
Analyte		Result Po	QL SPK value	SPK Ref Val 3	6REC LowLimit	HighLimit %RPI	RPDLimit	Qual
Petroleum Hyd	rocarbons, TR	ND	20					
Sample ID	LCS-1901	SampType	LCS	TestC	ode EPA Method	418.1. TPH		
Client ID	LCSS	Batch ID	1901	Rur	No 2740			
Prep Date	5/11/2012	Analysis Date	5/14/2012	Sec	No 76095	Units mg/Kg		
Analyte		Result PC	QL SPK value	SPK Ref Val	6REC LowLimit	HighLimit %RPI	D RPDLimit	Qual
Petroleum Hyd	rocarbons, TR	110	20 100 0	0	105 87 8	115		
Sample ID	LCSD-1901	SampType	LCSD	TestC	ode EPA Method	I 418.1: TPH		
Client ID	LCSS02	Batch ID	1901	Rur	No 2740			
Prep Date	5/11/2012	Analysis Date	5/14/2012	Sec	No 76096	Units mg/Kg		
Analyte		Result Po	QL SPK value	SPK Ref Val	6REC LowLimit	HighLimit %RPI	D RPDLimit	Qual
Petroleum Hyd	rocarbons, TR	100	20 100 0	0	102 87 8	115 2.5	3 8 04	

Qualifiers:

*/X Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

 $B \quad \ \mbox{Analyte detected in the associated Method Blank}$

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

Result

53

4 5

WO# 1205438

RPDLimit

RPDLimit

%RPD

HighLimit

139

131

627

77 4

17-May-12

Qual

Qual

Client: Project:	00	Engineering GC 1A						
Sample ID Client ID Prep Date	MB-1902 PBS 5/11/2012	SampType Batch ID Analysis Date	1902	TestCode RunNo SeqNo	2730	8015B: Diese		ganics
Analyte		Result F		SPK Ref Val %RE	C LowLimit	HighLimit	%RPD	RPDLim
Diesel Range (Organics (DRO)	ND 9 1	10 10 00	90	8 77 4	131		
Sample ID Client ID	LCS-1902 LCSS	SampType Batch ID		TestCode RunNo		8015B: Diese		ganics
Prep Date	5/11/2012	Analysis Date	5/14/2012	SeqNo	75983	Units mg/K	g	

50 00

5 000

Sample ID	1205464-001AMS	SampType	MS	Test	Code E	PA Method	8015B: Dies	₃I Range 0	Organics	
Client ID	BatchQC	Batch ID	1886	Ru	unNo 2	730				
Prep Date	5/10/2012	Analysis Date	5/14/2012	Se	eqNo 7	6205	Units %RE	С		
Analyte		Result P	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr DNOP		5 5	5 056		109	82 1	121			

SPK value SPK Ref Val %REC LowLimit

106

90 9

0

Sample ID	1205464-001AMSE) SampType	MSD	Test	tCode I	EPA Method	8015B: Diese	el Range (Organics	
Client ID	BatchQC	Batch ID	1886	R	RunNo	2730				
Prep Date	5/10/2012	Analysis Date	5/14/2012	S	SeqNo	76206	Units %RE	С		
Analyte		Result Po	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr DNOP		50	4 970		100	82 1	121	0	0	

Qualifiers:

Analyte

Surr DNOP

Diesel Range Organics (DRO)

*/X Value exceeds Maximum Contaminant Level

Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits В Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

1,100

993 0

WO# 1205438 17-May-12

Client:	Blagg Engineering
Project:	Leeper GC 1A

Client:	Blagg Eng Leeper G										
Project:	Leeper G										_
Sample ID	MB-1895	SampTy	pe ME	BLK	Tes	tCode E	PA Method	8015B: Gaso	line Rang	е	
Client ID	PBS	Batch	ID 18	95	F	RunNo 2	734				
Prep Date	5/10/2012	Analysis Da	ate 5 /	11/2012	8	SeqNo 7	5818	Units mg/F	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	e Organics (GRO)	ND 1 000	50	4.000		400	CO 7	404			
Surr BFB		1,000		1,000		103	69 7 	121			
Sample ID	LCS-1895	SampTy	pe LC	s	Tes	tCode E	PA Method	8015B Gaso	line Rang	е	
Client ID	LCSS	Batch	ID 18	95	F	RunNo 2	734				
Prep Date	5/10/2012	Analysis Da	ate 5 /	11/2012	8	SeqNo 7	5819	Units mg/H	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e Organics (GRO)	29	5 0	25 00	0	115	98 5	133			
Surr BFB		1,100	_	1,000		112	69 7	121			
Sample ID	1205438-001AMS	SampTy	pe MS	S	Tes	tCode E	PA Method	8015B: Gaso	line Rang	е	
Client ID	95 BGT 5-pt @ 6'	Batch	ID 18	95	F	RunNo 2	734				
Prep Date	5/10/2012	Analysis Da	ate 5/	11/2012	\$	SeqNo 7	5820	Units mg/K	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	e Organics (GRO)	34	50	24 85	0	136	85 4	147			
Surr BFB		1,100		994 0		113	69 7	121			
Sample ID	1205438-001AMS	SampTy	pe MS	SD	Tes	tCode E	PA Method	8015B: Gaso	line Rang	e	
Client ID	95 BGT 5-pt @ 6'	Batch	ID 18	95	F	RunNo 2	734				
Prep Date	5/10/2012	Analysis Da	ate 5 /	/11/2012	S	SeqNo 7	5821	Units mg/F	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	34	5 0	24 83	0	138	85 4	147	1 33	19 2	

a	 ~1	. F	:.	rs:

Surr BFB

*/X Value exceeds Maximum Contaminant Level

Value above quantitation range

Analyte detected below quantitation limits

R RPD outside accepted recovery limits

Analyte detected in the associated Method Blank В

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

114

69 7

121

RL Reporting Detection Limit

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO# 1205438

17-May-12

Client:

Blagg Engineering

Client: Project:	Leeper C	igineering iC 1A												
Sample ID	MB-1895	SampT	уре МЕ	BLK	TestCode EPA Method 8021B: Volatiles									
Client ID	PBS	Batch	ID 18	95	F	RunNo 2	734							
Prep Date	5/10/2012	Analysis D	ate 5 /	11/2012	5	SeqNo 7	5897	Units mg/k	(g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit _	Qual			
Benzene		ND	0 050											
Foluen <i>e</i>		ND	0 050											
Ethylbenzene		ND	0 050											
Xylenes, Total		ND	0 10											
Surr 4-Bron	nofluorobenzene	0 93		1 000		93 3	80	120						
Sample ID LCS-1895 SampType LCS TestCode EPA Method 8021B: Volatiles														
Client ID	LCSS	Batch	ID 18	95	F	RunNo 2	2734							
Prep Date	5/10/2012	Analysis D	ate 5 /	11/2012	5	SeqNo 7	5898	Units mg/h	(g					
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene		0 92	0 050	1 000	0	92 4	83 3	107						
Toluene		0 96	0 050	1 000	0	96 2	74 3	115						
Ethylbenzene		0 94	0 050	1 000	0	94 1	80 9	122						
Xylenes, Total		2 9	0 10	3 000	0	95 2	85 2	123						
Surr 4-Bron	nofluorobenzene	0 97		1 000		96 8	80	120						
Sample ID	1205453-001AMS	SampT	ype MS	3	Tes	tCode E	PA Method	8021B· Vola	tiles					
Client ID	BatchQC	Batch	ID 18	95	F	RunNo 2	734							
Prep Date	5/10/2012	Analysis D	ate 5 /	11/2012	5	SeqNo 7	5899	Units mg/h	(g					
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene		0 99	0 047	0 9479	0	104	67 2	113						
Toluene		1 0	0 047	0 9479	0	108	62 1	116						
thylbenzene		1 0	0 047	0 9479	0	107	67 9	127						
(ylenes, Total		3 0	0 095	2 844	0	107	60 6	134						
Surr 4-Bron	nofluorobenzene	0 95		0 9479		100	80	120						
Sample ID	1205453-001AMS	D SampT	ype MS	SD	Tes	tCode E	PA Method	8021B: Vola	tiles	<u></u>				
Client ID	BatchQC	Batch	ID 189	95	F	RunNo 2	734							
Prep Date	5/10/2012	Analysis D	ate 5/	11/2012	S	SeqNo 7	5900	Units mg/k	(g					
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene		10	0 049	0 9794	0	103	67 2	113	1 72	14 3				
Toluene		10	0 049	0 9794	0	106	62 1	116	2 20	15 9				
Ethylbenzene		10	0 049	0 9794	0	105	67 9	127	1 82	14 4				
Xylenes, Total		3 1	0 098	2 938	0	107	60 6	134	3 14	12 6				
		0 96		0 9794		98 3	80	120	0	0				

Qualifiers:

*/X Value exceeds Maximum Contaminant Level

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Page 6 of 6



4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-410;

Sample Log-In Check List

Website www.hallenvironmental con. Client Name: **BLAGG** Work Order Number 1205438 05/09/12 Received by/date 5/9/2012 9.50.00 AM Anne Thorne Logged By 5/9/2012 Completed By Anne Thorne 05/09/12 Reviewed By. • Chain of Custody Yes 🗌 No 🗍 Not Present 🗹 1. Were seals intact? Yes 🔽 No 🗌 Not Present 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In NA 🗀 Yes 🗹 No 🗌 4. Coolers are present? (see 19 for cooler specific information) Yes 🗸 No 🗌 5. Was an attempt made to cool the samples? NA 🗀 Yes V No NA 🔲 6. Were all samples received at a temperature of >0° C to 6 0°C Yes 🗸 No 🗌 7 Sample(s) in proper container(s)? Yes 🗸 No 🗌 8 Sufficient sample volume for indicated test(s)? Yes 🗹 No 🗌 9 Are samples (except VOA and ONG) properly preserved? Yes 🗌 No 🗹 NA 🗆 10. Was preservative added to bottles? Yes No No VOA Vials 11. VOA vials have zero headspace? Yes □ No ☑ 12. Were any sample containers received broken? # of preserved 13. Does paperwork match bottle labels? Yes V No bottles checked (Note discrepancies on chain of custody) for pH. Yes 🗹 No 🗌 (<2 or >12 unless noted) 14. Are matrices correctly identified on Chain of Custody? Adjusted? Yes 🗹 No 🗌 15. Is it clear what analyses were requested? Yes 🗹 No 🗌 16. Were all holding times able to be met? (If no, notify customer for authorization) Checked by Special Handling (if applicable) Yes No 🗆 NA V 17 Was client notified of all discrepancies with this order? Person Notified. Date By Whom. Via eMail Phone Fax In Person Regarding: Client Instructions. 18 Additional remarks

. . .

19.	Cooler Information								
	1 -			1					

1	Cooler No	Temp ℃	Condition	Seal Intact	Seal No	Seal Date	Signed By
	1	10	Good	Yes			

Chain-of-Custody Record Client: BLAGG ENGINEERING INC. BP AMERICA Mailing Address: P.O. Box 97 BLOWNFIELD NM 97413			Turn-Around		Z		_					<i>.</i> T F			AE	ni -r -	AI					
			★ Standard □ Rush □ Project Name:				HALL ENVIRONMENT ANALYSIS LABORAT www.hallenvironmental.com												7			
			LEEPER GC 1A Project #.																			
						4901 Hawkins NE - Albuquerque, NM 87109																
								Tel. 505-345-3975 Fax 505-345-4107 Analysis Request														
Phone #: 505~63Z-1199 email or Fax#			Project Manager					у).	е (је											Ť		
QA/QC Package. Standard □ Level 4 (Full Validation)			J. BLACC			s (8021)	(Gas only)	(Gas/Diesel)					PO₄,SO	PCB's								
Accred		□ Othe	er	Sampler: J On lice	- BLAGG	AT NEW		#	+ TPH	5B (G	8.1)	4.1)	Ę		3,NO ₂ ,	8087						or NI)
	(Type)			Sample Tem	perature T	70		1	+ 도 :	8015B	141	9 20	r P/	as	Š.	des		VOA	ıЙ			5 \
Date	Time	Matrix	Sample Request ID		Preservative Type	2015		BTEX + MIBE	BTEX + MTBE	TPH Method	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082	8260B (VOA)	8270 (Semi-VOA)	CHLORIDE			Air Rithhlas
5/3/12	1555	SOIL	95 BGT / 5-pt@6	402×1	COOL		-00	χ		χ	χ								X			Ī
																			├ ──┼		\perp	\perp
											ļ								 	\bot	\bot	
																			 		+	
												_								+	+	\perp
		<u></u>												_	-				_	+	+	+
												_							\dashv	+		+
					X-11															_	+	╁
																				+	+	十
						<u> </u>													\dashv		+	†
																				\top	\top	T
Date: 5/8/12 Date	Time. 1345 Time:	Relinquishe Relinquishe	l Blogg	Mater Wallow \$18/12 1345				Remarks: GRO + DRO ON 3015 N 1512594														
5/8/12	, " · ·				OSTO	9/12	Time		FF				l doto	and ho	alasel	nata	tad an	. +la a a a				