District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 8741

. 1

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division

OIL CONS. DIV DIST. 3

Form C-141 Revised August 8, 2011 SEP 0 3 2015

Submit 1 Copy to appropriate District Office in

			Rele	ease Notifi	cation	and Co	orrective A	ction			
						OPERA'	TOR	🗆 Ini	ial Report		Final Repo
Name of C	ompany: B	Р	1998	1.1.1.1.1.1.1.1		Contact: Jet					
		Court, Farm	ington, N	M 87401			No.: 505-326-94		1 yeren 1	2.1	Munnel
Facility Na	ime: Irvin C	Com 1	and the	in stand to a		Facility Typ	pe: Natural gas	well			and the
Surface Ov	vner: Privat	te	-	Mineral (Owner: 1	Private		APIN	o. 30045205	585	2.546.2
				LOC	ATION	N OF RE	LEASE				
Unit Letter H	Section 11	Township 29N	Range 13W	Feet from the 2,390		South Line	Feet from the 275	East/West Line East	County: S	an Juan	
		Lat	itude <u>3</u>	6.74156		Longitud	le_108.16714				
				NAT	TURE	OF REL	EASE				
		ed water/cond	lensate			Volume of	f Release: unknow		Recovered: n		
Source of R	elease: BGT					Date and H unknown	Hour of Occurrent	ce: Date and	Hour of Dis	covery:	5/14/2013
Was Immed	iate Notice C		Yes	No 🛛 Not R	equired	If YES, To	o Whom?				
By Whom?		Contra Contra			123	Date and H		The strength of the second			1
Was a Wate	rcourse Read		V	A. 1.		If YES, Vo	olume Impacting	the Watercourse.			
			res 🗵	No							
		pacted, Descr			- 64			C 11.	1. 1.		
Describe Ca were present	use of Proble t. Laborator	pacted, Descr em and Reme y analysis via	ibe Fully. dial Actio Method 4	* n Taken.* Sampli 18.1 resulted in 1	70 ppm i	indicating a r	n the BGT was pe release had occurr on of 35 ppm; belo	ed. However, the	same sample	was su	bmitted for
Describe Ca were present laboratory at Describe Ar indicate soil I hereby cert regulations a	use of Proble t. Laborator, nalysis via N ea Affected a is below the tify that the i all operators	pacted, Descr em and Reme y analysis via fethod 8015B and Cleanup A soil remediat nformation gi are required t	dial Action Method 4 with a tot Action Tak tion guidel	* n Taken.* Sampli 18.1 resulted in 1 tal petroleum hyd cen.* No action n lines of 100 ppm. e is true and comp nd/or file certain n	70 ppm i rocarbon ecessary.	indicating a r concentration. Results for the ne best of my otifications a	the sample collect knowledge and u nd perform correct	ed. However, the ow the soil remedi ted from beneath t understand that pu trive actions for re	same sample ation guidelin he BGT via M rsuant to NM leases which	was su nes of 1 Aethod OCD ru may en	bmitted for 00 ppm. 8015B les and danger
Describe Ca were present laboratory a Describe Ar indicate soil I hereby cert regulations a public health should their or the enviro	use of Proble t. Laborator nalysis via M ea Affected a is below the tify that the i all operators n or the envir operations h	pacted, Descr em and Reme y analysis via fethod 8015B and Cleanup A soil remediat nformation gi are required t ronment. The ave failed to a	dial Action Method 4 with a tot Action Tak tion guidel iven above o report ar acceptanc adequately OCD accep	* n Taken.* Sampli 18.1 resulted in 1 tal petroleum hyd cen.* No action n lines of 100 ppm. e is true and comp nd/or file certain n ce of a C-141 report investigate and n	70 ppm i rocarbon ecessary. plete to the release no ort by the remediate	A concentration Results for the me best of my potifications a the NMOCD me the contamination	release had occurr on of 35 ppm; belo the sample collect whowledge and u nd perform correct narked as "Final R ion that pose a thr ye the operator of	ed. However, the ow the soil remedi- ted from beneath t understand that pu- ctive actions for re eport" does not re eat to ground wat responsibility for	same sample ation guidelin he BGT via M rsuant to NM leases which lieve the oper er, surface wa compliance w	Method Method OCD ru may en rator of ter, hur vith any	bmitted for 00 ppm. 8015B les and danger liability nan health
Describe Ca were present laboratory at Describe Ar indicate soil I hereby cert regulations a public health should their or the enviro	use of Proble t. Laborator, nalysis via M ea Affected a is below the tify that the i all operators n or the envir operations h onment. In a e, or local law	pacted, Descr em and Reme y analysis via fethod 8015B and Cleanup A soil remediat nformation gi are required t ronment. The ave failed to a ddition, NMC	dial Action Method 4 with a tot Action Tak tion guidel iven above o report ar acceptanc adequately OCD accep	* n Taken.* Sampli 18.1 resulted in 1 tal petroleum hyd cen.* No action n lines of 100 ppm. e is true and comp nd/or file certain n ce of a C-141 report investigate and n	70 ppm i rocarbon ecessary. plete to the release no ort by the remediated report do	indicating a r concentration . Results for the me best of my otifications a e NMOCD me e contaminations oes not reliev	the sample collect when whether the sample collect whether the sample colle	ed. However, the ow the soil remedi- ted from beneath the inderstand that pu- trive actions for re- eport" does not re- eat to ground wat responsibility for SERVATION	same sample ation guidelin he BGT via M rsuant to NM leases which lieve the oper er, surface wa compliance w	Method Method OCD ru may en rator of ter, hur vith any	bmitted for 00 ppm. 8015B les and danger liability nan health
Describe Ca were present laboratory at Describe Ar- indicate soil I hereby cert regulations a public healtt should their or the enviro federal, state Signature:	use of Proble t. Laborator, nalysis via M ea Affected a is below the tify that the i all operators n or the envir operations h onment. In a e, or local law	pacted, Descr em and Reme y analysis via Aethod 8015B and Cleanup A soil remediat rooment. The ave failed to a ddition, NMC ws and/or regu	dial Action Method 4 with a tot Action Tak tion guidel iven above o report ar acceptanc adequately OCD accep	* n Taken.* Sampli 18.1 resulted in 1 tal petroleum hyd cen.* No action n lines of 100 ppm. e is true and comp nd/or file certain n ce of a C-141 report investigate and n	70 ppm i rocarbon ecessary. plete to the release no ort by the remediated report do	indicating a r concentration . Results for the me best of my otifications a e NMOCD me e contaminations oes not reliev	release had occurr on of 35 ppm; belo the sample collect whowledge and u nd perform correct narked as "Final R ion that pose a thr ye the operator of	ed. However, the ow the soil remedi- ted from beneath the inderstand that pu- trive actions for re- eport" does not re- eat to ground wat responsibility for SERVATION	same sample ation guidelin he BGT via M rsuant to NM leases which lieve the oper er, surface wa compliance w	Method Method OCD ru may en rator of ter, hur vith any	bmitted for 00 ppm. 8015B les and danger liability nan health
Describe Ca were present laboratory at Describe Ar- indicate soil I hereby cert regulations a public health should their or the enviro federal, state Signature: Printed Nam	use of Proble t. Laborator, nalysis via M ea Affected a is below the tify that the i all operators in operations h onent. In a e, or local law	pacted, Descr em and Reme y analysis via Aethod 8015B and Cleanup A soil remediat rooment. The ave failed to a ddition, NMC ws and/or regu	dial Action Method 4 with a tot Action Taktion guidel iven above o report ar acceptance adequately DCD acceptance adequately DCD acceptance Add Accep	* n Taken.* Sampli 18.1 resulted in 1 tal petroleum hyd cen.* No action n lines of 100 ppm. e is true and comp nd/or file certain n ce of a C-141 report investigate and n	70 ppm i rocarbon ecessary. plete to the release no ort by the remediate report do	indicating a r concentration . Results for the me best of my otifications a e NMOCD me e contaminations oes not reliev	release had occurr on of 35 ppm; belo the sample collect whowledge and u nd perform correct narked as "Final R ion that pose a thr we the operator of <u>OIL CON</u> Environmental S	ed. However, the ow the soil remedi- ted from beneath the inderstand that pu- trive actions for re- eport" does not re- eat to ground wat responsibility for SERVATION	same sample ation guidelin he BGT via M rsuant to NM4 leases which lieve the oper er, surface wa compliance w I DIVISIC	Method Method OCD ru may en rator of ter, hur vith any	bmitted for 00 ppm. 8015B les and danger liability nan health

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CLIENT: BP BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87	413	API #: 30	045205	585
(505) 632-1199	110	TANK ID (if applicble):	A	
FIELD REPORT: (circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:		PAGE #:	1 of	_1_
SITE INFORMATION: SITE NAME: IRVIN COM #1	<u> 1988 (19</u>	DATE STARTED:	05/14	4/13
QUAD/UNIT: H SEC: 11 TWP: 29N RNG: 13W PM: NM CNTY: SJ ST	NM	DATE FINISHED:	05/14	4/13
1/4 -1/4/FOOTAGE: 2,390'N / 275'E SE/NE LEASE TYPE: FEDERAL / STATE FEE LEASE #. - PROD. FORMATION: DK CONTRACTOR: MBF - K. LEMON	In Deck	ENVIRONMENTAL SPECIALIST(S):	NJ	v
REFERENCE POINT: WELL HEAD (W.H.) GPS COORD .: 36.74158 2		11 GLEL	EV.: 5.3	340'
1) 95 BGT (DW/DB) GPS COORD.: 36.74156 X 108.16714		ARING FROM WH .:	113.5', S	
2) GPS COORD.:	DISTANCE/BE	ARING FROM W.H.:	S. K.Y.	
3) GPS COORD.:	DISTANCE/BE	ARING FROM WH.:		
4) GPS COORD.:	DISTANCE/BE	ARING FROM W.H.:		
SAMPLING DATA: CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL	<u></u>		1.2.2	OVM READING
	YSIS: 418.1/8	8015B / 8021B / 3	300.0 (CI)	(ppm) NA
2) SAMPLE ID: SAMPLE DATE: LAB ANAL		-		
3) SAMPLE ID: SAMPLE TIME: LAB ANAL	THE PROPERTY		10.95	
4) SAMPLE ID: SAMPLE DATE: LAB ANAL				
SOIL DESCRIPTION: SOIL TYPE: SAND SILTY SAND / SILT / SILTY CLAY / CLAY CLAY / CLAY	GRAVEL OT	HER	-	
SOIL COLOR: DARK YELLOWISH ORANGE COHESION (ALL OTHERS): NON COHESIVE SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE PLASTICITY (CLAYS): NON PLASTIC / SL	IGHTLY PLASTIC / (COHESINE / MEDILIM PLAST	TC / HIGHLY PLA	STIC
CONSISTENCY (NON COHESIVE SOILS): LOOSE FIRM DENSE / VERY DENSE DENSITY (COHESIVE CLAYS &				
MOISTURE: DRY SLIGHTLY MOIST MOIST WET / SATURATED / SUPER SATURATED HC ODOR DETECTED: YES	NO EXPL	ANATION	1 14	
SAMPLE TYPE: GRAB COMPOSITE + OF PTS. 5 DISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - PERIMETER FOOTPRINT OF BGT & SO	OUTHWEST		FARANCE	MORE
OIL BASED OBSERVED ON PEA GRAVEL BELOW BGT ONLY).	COMMENT			
ANY AREAS DISPLAYING WETNESS: YES NO EXPLANATION - DISCOLORATION NOTED ABOVE.	-	March 1		all's
APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED : NO EXPLANATION :	VANCED BEI	NEATH BGT.		
		TMATION (Cubic Ya		NA ppm
		CALIB. READ. = N		RF = 0.52
W.H.		CALIB. GAS =N		A
SEPARATOR	N			
	in all	MISCELL		ES
TH-E 5-Point Composite Comprised of TH-C, TH-E and TH-W	-	/0: N14102 0#:	42	
TH-C T.B. ~ 2' For Laboratory Analysis B.G.		K: ZEVHO	IBGT2	
TH-W THE		J#: Z2-006	ALL REAL PROPERTY AND INCOME.	
		ermit date(s):	06/14	4/10
WOODEN R.W.		CD Appr. date(s):	05/10	0/11
STEEL		ppm = parts p	er million	
CONTAINMENT RING PROD. TANK		BGT Sidewalls Vis BGT Sidewalls Vis	~	
X-S.		BGT Sidewalls Vis	entress tall of So	
NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WE T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA		lagnetic declina	Contract of the second	
APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.				E

Analytical Report Lab Order 1305643

Date Reported: 5/20/2013

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL Qual	Units	DF Date Analyzed	Batch
Lab ID:	1305643-002	Matrix:	MEOH (SOIL)	Received	Date: 5/16/2013 10:00:00 AN	M
Project:	Irvin Com # 1			Collection	Date: 5/14/2013 1:45:00 PM	
CLIENT:	Blagg Engineering		(lient Samp	le ID: 5PC-TB @ 3.5' (95)	

Analyses	Kesuit	KL QU	ai Units	Dr	Date Analyzeu	Daten
EPA METHOD 8015D: DIESEL RANG	E ORGANICS	A LONG	a transferra		Analyst:	JME
Diesel Range Organics (DRO)	35	9.9	mg/Kg	1	5/16/2013 3:28:11 PM	7479
Surr: DNOP	106	63-147	%REC	1	5/16/2013 3:28:11 PM	7479
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	5/16/2013 12:39:51 PM	R10679
Surr: BFB	94.9	80-120	%REC	1	5/16/2013 12:39:51 PM	R10679
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.050	mg/Kg	1	5/16/2013 12:39:51 PM	R10679
Toluene	ND	0.050	mg/Kg	1	5/16/2013 12:39:51 PM	R10679
Ethylbenzene	ND	0.050	mg/Kg	1	5/16/2013 12:39:51 PM	R10679
Xylenes, Total	ND	0.10	mg/Kg	1	5/16/2013 12:39:51 PM	R10679
Surr: 4-Bromofluorobenzene	103	80-120	%REC	1	5/16/2013 12:39:51 PM	R10679
EPA METHOD 300.0: ANIONS					Analyst:	JRR
Chloride	ND	30	mg/Kg	20	5/16/2013 1:54:16 PM	7472
EPA METHOD 418.1: TPH					Analyst:	LRW
Petroleum Hydrocarbons, TR	170	20	mg/Kg	1	5/16/2013 12:00:00 PM	7476

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 2 of 7
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

-		JI-043	ioay kecord	I um-Around	I Ime:	COMPLETE BY]	4					F		/TE	20	BIR		NT	A1
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard	Rush_	5/16/13			E											RY
Sea Street				Project Name	the second s	The A Long of the									nme					
Mailing A	ddress:	P.O. 80	K 87		IRVIN COM	#1		49	01 H	law								37109		
		BLOOM	FIELD, NM 87413	Project #:			1					975			505					
Phone #:	1.1.1.1.1	(505) 63	2-1199									-	-		Red	- Hollins Rule	-			
email or F	ax#:			Project Manag	ger:				AV	-		-		()				1)		
QA/QC Par	Contract States and a second		Level 4 (Full Validation)		NELSON VI	ELEZ	(80218)	+ TPH (Gas only)	(our			IS)	Fully	04,SO	PCB's		The second	er - 300.1)		e
Accreditat	tion:	1. 18 S	Star Start - Start	Sampler:	NELSON VI	ELEZ MU	F	(Gas	RO /	F	1)	NISC		102,1	/ 8082			/ water		sample
	,	Other_				E No		HdT	0/0	418	504	827(5	03,1	ss / 8		(AC	- 300.0/		ce sa
	Type)			Sample Temp	erature:	2	1 t	3E +	(GRI	por	por	or	etal	C,N	icide	(A	-in	011-3	4	posit
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO. 1305/04/3	BTEX +-MT	BTEX + MTBE	TPH 8015B (GRO / DRO	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil	Grah cample	5 pt. composite
5/14/13	1345	SOIL	5PC - TB @ 3.5' (95)	4 oz 2	Cool	-002	٧		V	V								V	1	٧
							-									-			-	++
				1	i konstra															
			20																-	
							1	-											+	
1							T													
1.2	Sec.			Strain 2		State Law			3.D	130										
Ale and	Same			Starke Stark		COMPACTION OF STREET				1										
Date: 15/13	Time:	Relinquish	in VI	Received by:	, la)cola	Date Time 5/15/13 848	BI		RECT		O BP					1		2		
)ate:	Time:	Relinquishe	trul Dans	Received by:	T	Date Time					Service .	gy Co 4102		Farm	-			7401 ZEVH	DIBG	12

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1305643 20-May-13

Client: Project:	Blagg En Irvin Cor							(TV eV)			
Sample ID	MB-7472	SampTyp	e: MBL	к	Tes	tCode: El	PA Method	300.0: Anion	s	14-5-69	- 44
Client ID:	PBS	Batch II	D: 7472		F	RunNo: 1	0696				
Prep Date:	5/16/2013	Analysis Date	e: 5/16	/2013	5	SeqNo: 3	02221	Units: mg/H	g		
Analyte	I the pres	Result I	PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5	41.	Sec. 2. 8.			1.01		1.14	
Sample ID	LCS-7472	SampTyp	e: LCS		Tes	tCode: El	A Method	300.0: Anion	s	R-PALE	4.783
Client ID:	LCSS	Batch II): 7472		F	RunNo: 1	0696				
Prep Date:	5/16/2013	Analysis Date	e: 5/16	/2013	5	SeqNo: 3	02222	Units: mg/K	g		
Analyte		Result I	PQL S	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15	1.5	15.00	0	98.0	90	110	19/18	UTPROV.	
Sample ID	1305423-001AMS	SampTyp	e: MS	4	Tes	tCode: EF	PA Method	300.0: Anion	s	8575.J	
Client ID:	BatchQC	Batch ID	D: 7472		F	RunNo: 10	0696				
Prep Date:	5/16/2013	Analysis Date	e: 5/16	/2013	5	SeqNo: 3	02224	Units: mg/K	g		
Analyte		Result F	PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	State State	18	7.5	15.00	5.396	85.3	64.4	117		State M.	1214
Sample ID	1305423-001AMS	SampTyp	e: MSD		Tes	tCode: EF	A Method	300.0: Anion	s	C.M. Hard	14775
Client ID:	BatchQC	Batch ID	D: 7472		F	RunNo: 10	0696				
Prep Date:	5/16/2013	Analysis Date	e: 5/16	/2013	5	SeqNo: 30	02225	Units: mg/K	g		
Analyte		Result F	PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		18	7.5	15.00	5.396	84.5	64.4	117	0.653	20	
Sample ID	1305502-003BMS	SampTyp	e: MS	THE PAR	Tes	tCode: EF	A Method	300.0: Anion	s	Cal Sin	1 Carl
Client ID:	BatchQC	Batch ID): 7472		F	RunNo: 10	0696				
Prep Date:	5/16/2013	Analysis Date	e: 5/16	/2013	S	SeqNo: 30	02237	Units: mg/K	g		
Analyte	- when the set	Result F	PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		16	1.5	15.00	2.196	90.9	64.4	117		小常科	
Sample ID	1305502-003BMS	SampType	e: MSD		Tes	tCode: EF	A Method	300.0: Anion	s	N STRAN	
Client ID:	BatchQC	Batch ID): 7472		F	RunNo: 10	0696				
		Analusia Data		12013	9	SegNo: 30	2239	Units: mg/K	'n		
Prep Date:	5/16/2013	Analysis Date	s. 5/10	12013		oquio. ot		onnor might	9		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1305643 20-May-13

Project: Irvin C	Com # 1	
Sample ID MB-7476	SampType: MBLK	TestCode: EPA Method 418.1: TPH
Client ID: PBS	Batch ID: 7476	RunNo: 10676
Prep Date: 5/16/2013	Analysis Date: 5/16/2013	SeqNo: 301529 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua
Petroleum Hydrocarbons, TR	ND 20	
Sample ID LCS-7476	SampType: LCS	TestCode: EPA Method 418.1: TPH
Client ID: LCSS	Batch ID: 7476	RunNo: 10676
Prep Date: 5/16/2013	Analysis Date: 5/16/2013	SeqNo: 301530 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua
Petroleum Hydrocarbons, TR	100 20 100.0	0 100 80 120
Sample ID LCSD-7476	SampType: LCSD	TestCode: EPA Method 418.1: TPH
Client ID: LCSS02	Batch ID: 7476	RunNo: 10676
Prep Date: 5/16/2013	Analysis Date: 5/16/2013	SeqNo: 301531 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Petroleum Hydrocarbons, TR	100 20 100.0	0 102 80 120 1.41 20

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1305643 20-May-13

Client: Project:	Blagg En Irvin Con										
Sample ID	5ML RB	Samp	Туре: МІ	BLK	Tes	stCode: E	PA Method	8021B: Vola	tiles		1.11
Client ID:	PBS	Bato	h ID: R1	0679		RunNo: 1	0679				
Prep Date:		Analysis I	Date: 5	/16/2013		SeqNo: 3	02165	Units: mg/l	٨g		
Analyte	and will	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.050								
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	1.0	1.12	1.000	12 001	102	80	120	10	C. Land	1.110
Sample ID	100NG BTEX LCS	Samp	Type: LC	s	Tes	stCode: E	PA Method	8021B: Vola	tiles	Sec. 1	
Client ID:	LCSS	Batc	h ID: R1	0679	1	RunNo: 1	0679				
Prep Date:		Analysis I	Date: 5/	16/2013	:	SeqNo: 3	02166	Units: mg/H	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1992 Can 2017 P	1.1	0.050	1.000	0	114	80	120	North Real	1.1.1.1.1.1	6.8 M
Toluene		1.1	0.050	1.000	0	114	80	120			
Ethylbenzene		1.1	0.050	1.000	0	113	80	120			
Xylenes, Total		3.4	0.10	3.000	0	114	80	120			
Surr: 4-Brom	ofluorobenzene	1.1		1.000	an lateral	107	80	120	1	HINNE !!	See.
Sample ID	1305643-002AMS	Samp	Туре: М	5	Tes	tCode: E	PA Method	8021B: Vola	tiles	5 35	
Client ID:	5PC-TB @ 3.5' (95) Batc	h ID: R1	0679	F	RunNo: 1	0679				
Prep Date:		Analysis [Date: 5/	16/2013	5	SeqNo: 3	02169	Units: mg/H	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.80	0.050	0.7153	0	111	67.2	113			1
Toluene		0.79	0.050	0.7153	0	111	62.1	116			
Ethylbenzene		0.79	0.050	0.7153	0	110	67.9	127			
Xylenes, Total		2.4	0.10	2.146	0	111	60.6	134			
Surr: 4-Brom	ofluorobenzene	0.77	Note:	0.7153		108	80	120	15 22-2		0.0
Sample ID	1305643-002AMSD	Samp	Type: MS	SD	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	5PC-TB @ 3.5' (95) Batc	h ID: R1	0679	F	RunNo: 1	0679				
Prep Date:		Analysis [Date: 5/	16/2013		SeqNo: 3	02170	Units: mg/h	(g		
Analyte	A AND T	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ALC: NOT THE REAL PROPERTY OF	0.73	0.050	0.7153	0	102	67.2	113	9.07	14.3	
Toluene		0.72	0.050	0.7153	0	101	62.1	116	9.60	15.9	
		0.70	0.050	0.7153	0	101	67.9	127	9.15	14.4	
Ethylbenzene		0.72	0.000								
Ethylbenzene Xylenes, Total		2.2	0.10	2.146	0	102	60.6	134	9.04	12.6	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	riaii Environmeniai Albu. TEL: 505-345-3975 . Website: www.hal	4901 querqu FAX: 1	Hawkins NE 1e, NM 87105 505-345-410;	Sa	amj	ole Log-In Check List
Client Name: BLAGG	Work Order Number:	13056	543			RcptNo: 1
Received by/date:	05/16/13				1	
Logged By: Lindsay Mangin	5/16/2013 10:00:00 AM		0	tradyt	100	
Completed By: Lindsay Mangin Reviewed By: MG	5/16/2013 10:21:16 AM		0	the state	100	
Chain of Custody					1	A CONTRACTOR OF
1. Custody seals intact on sample bottles?		Yes		No		Not Present
2. Is Chain of Custody complete?		Yes		No [Not Present
3. How was the sample delivered?		Cour	ier			
Log In						
4. Was an attempt made to cool the samples?		Yes		No		
5. Were all samples received at a temperature	of >0° C to 6.0°C	Yes		No [
6. Sample(s) in proper container(s)?		Yes		No		
7, Sufficient sample volume for indicated test(s)?	Yes		No [
8. Are samples (except VOA and ONG) propert	ly preserved?	Yes		No [
9. Was preservative added to bottles?		Yes		No	~	NA'
10.VOA vials have zero headspace?		Yes		No [No VOA Vials
11. Were any sample containers received broke	n?	Yes		No		# of preserved bottles checked
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes		No [for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of	Custody?	Yes		No [Adjusted?
14. Is it clear what analyses were requested?		Yes		No [A SANTAR MANY
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes		No [] [Checked by:

Special Handling (if applicable)

Person Notified:	Date:				
By Whom:	Via:	eMail	Phone	Fax	In Person
Regarding:					CALIFIC AND A DECIMAL OF COM

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good	Yes		ALL CONT	

