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 OPERATOR Subsequent Report **Final Report** Name of Company: BP Contact: Steve Moskal Address: 200 Energy Court, Farmington, NM 87401 Telephone No.: 505-330-9179 Facility Type: Natural gas well Facility Name: Sammons GC A 001A Surface Owner: Fee Mineral Owner: Fee API No. 30-045-22135 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County: San Juan Р 10W 1.000 31N 830 South 6 East Latitude 36.92262° Longitude -107.91809° NATURE OF RELEASE Type of Release: Condensate Volume of Release: Unknown Volume Recovered: Unknown Date and Hour of Occurrence: Source of Release: Unknown (near meter run within northwest portion Date and Hour of Discovery: March 1, of well pad) Unknown 2013 Was Immediate Notice Given? If YES, To Whom? No 🗌 Not Required Yes By Whom? Date and Hour: CONS. DIV DIST. 3 Was a Watercourse Reached? If YES, Volume Impacting the Watercourse Yes X No 1 3 2017 1111 If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken.* Identification of hydrocarbon impacted soil from an unknown source (near meter run within northwest portion of well pad). Two initial soil borings were advanced March 2013, and eight follow-up delineation soil borings were advanced August 2013. An additional 4 borings were advanced in October 2016. The recent borings indicate the SVE system is not effective in remediation due to the soil type. The area will be excavated and backfilled with clean, imported soils. Describe Area Affected and Cleanup Action Taken.* The impacted soils were delineated to be approximately 30'x30' in area with vertical interval impacts approximately 5 to 35' bgs. Of the eight follow-up delineation soil borings, four showed hydrocarbon impacts to soil. These same four borings were converted into SVE points. A SVE remediation system has been operating at location since March 2015. BP advanced an additional 4 borings in October 2016; these borings indicate that the SVE is not effective. Attached is a site diagram, soil boring logs and laboratory results. The area will be excavated at a later date. 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. **OIL CONSERVATION** MAL, Signature: Printed Name: Steve Moskal Approved by Environmental Specialist: Title: Field Environmental Coordinator Approval Date: Expiration Date Conditions of Approval: Start E-mail Address: steven.moskal@bp.com Attached 🕅 Date: July 13, 2017 Phone: 505-326-9429 Attach Additional Sheets If Necessary MRO-GRO-DRO 1031628650832

Smith, Cory, EMNRD

From:	Smith, Cory, EMNRD
Sent:	Friday, August 4, 2017 1:36 PM
То:	'Moskal, Steven'; Ritchie, John
Cc:	jeffcblagg@aol.com; Fields, Vanessa, EMNRD
Subject:	RE: Scope of Work Discussion at 4 Remediation System Sites

All,

OCD has approved the subsequent C-141 for the Sammons GC A #1A (API# 30-045-22135) received on July 13, 2017 with the following conditions of approval.

BP will;

- Commence remediation no later than September 29, 2017
- Sample the excavation for TPH(MR-DRO-GRO), and BTEX
- Provide 72 hour but no more than 1 week notice prior to the start of excavation
- Provide atleast 24 hour notice prior to the collect of any confirmation closure samples.

OCD approval does not relieve BP of any requirements imposed by other regulatory agencies.

If you have any additional questions please give me a call.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Moskal, Steven [mailto:Steven.Moskal@bp.com]
Sent: Friday, June 23, 2017 1:23 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Ritchie, John <John.Ritchie@bp.com>
Cc: jeffcblagg@aol.com; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>
Subject: RE: Scope of Work Discussion at 4 Remediation System Sites

We will also submit a C-141 with a SVE update for the Mudge LS 007 next week. The SVE unit has been down, off and on, for quite some time due to issues with the electrical panel. The unit became fully operational just yesterday. I hope to perform additional delineation/closure sampling sometime later this year.

Steve Moskal BP Lower 48 – San Juan Field Environmental Coordinator Office: (505) 326-9497 Cell: (505) 330-9179



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From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]
Sent: Friday, June 23, 2017 11:52 AM
To: Moskal, Steven; Ritchie, John
Cc: jeffcblagg@aol.com; Fields, Vanessa, EMNRD
Subject: RE: Scope of Work Discussion at 4 Remediation System Sites

Steve,

Thanks is the Mudge LS 07 On this list as well? Working on compliance issues and I had ask John for an updated C-141/work plan for the SVE unit.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Moskal, Steven [mailto:Steven.Moskal@bp.com]
Sent: Friday, June 23, 2017 11:37 AM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>; Ritchie, John <<u>John.Ritchie@bp.com</u>>
Cc: jeffcblagg@aol.com; Fields, Vanessa, EMNRD <<u>Vanessa.Fields@state.nm.us</u>>
Subject: RE: Scope of Work Discussion at 4 Remediation System Sites

Cory – We will submit the C-141 next week as John is out of the office today.

The current plan is to excavate the soil impacts from the location fairly soon. This is one of the sites I would like to discuss during our meeting next week.

Thank you,

Steve Moskal BP Lower 48 – San Juan Field Environmental Coordinator Office: (505) 326-9497 Cell: (505) 330-9179



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From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]
Sent: Friday, June 23, 2017 10:26 AM
To: Ritchie, John
Cc: Moskal, Steven; jeffcblagg@aol.com; Fields, Vanessa, EMNRD
Subject: RE: Scope of Work Discussion at 4 Remediation System Sites

Good Morning John,

I believe we had a discussion on the Sammons Gas Com A #1A SVE in late October from the below Email.

Could you please submit the discussed Initial C-141 in hard copy with any updated information since then.

Thanks.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Ritchie, John [mailto:John.Ritchie@bp.com]
Sent: Wednesday, October 12, 2016 6:36 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Moskal, Steven <<u>Steven.Moskal@bp.com</u>>; jeffcblagg@aol.com; Fields, Vanessa, EMNRD
<<u>Vanessa.Fields@state.nm.us</u>>
Subject: RE: Scope of Work Discussion at 4 Remediation System Sites

Thank you Cory.

Please see the attached C-141 and Closure Plan for the Sammons GC A 001A location. I will be available by cell phone all day tomorrow to discuss any questions or comments to either submittal.

We are intending on starting/continuing the soil investigation at Mudge LS 7 tomorrow morning. It is our intent to achieve full delineation at that site prior to moving over to the Sammons GC A 001A for closure sampling. There is a chance we will be at the Mudge LS 7 for most of the day, possibly pushing our efforts at the Sammons GC A 001A until Friday morning.

I will keep you updated throughout the day if it appears we will be able to begin work at the Sammons before the end of the day tomorrow.

Thank you Cory for your time and review.

John Ritchie

BP Lower 48 - San Juan South - Farmington Field Environmental Coordinator o. (505) 326-9429 c. (505) 320-7703

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From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]
Sent: Wednesday, October 12, 2016 2:18 PM
To: Ritchie, John
Cc: Moskal, Steven; jeffcblagg@aol.com; Fields, Vanessa, EMNRD
Subject: RE: Scope of Work Discussion at 4 Remediation System Sites

John,

I was updated our incidents with the information we discussed yesterday. It appears that Jeff Peace never sent in an initial C-141 for the Mudge Ls 7 or the Sammons GC a 1A. I will use the C-141 that you were going to send in as an update as the initial one so please make sure it has all of the correct information on them.

Thanks.

Cory Smith Environmental Specialist Oil Conservation Division Energy, Minerals, & Natural Resources 1000 Rio Brazos, Aztec, NM 87410 (505)334-6178 ext 115 cory.smith@state.nm.us

From: Ritchie, John [mailto:John.Ritchie@bp.com]
Sent: Tuesday, October 11, 2016 1:40 PM
To: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Cc: Moskal, Steven <<u>Steven.Moskal@bp.com</u>>; jeffcblagg@aol.com
Subject: Scope of Work Discussion at 4 Remediation System Sites

Thank you Cory for taking the time to discuss status and immediate SOW we intend on conducting later this week at 4 of BP's remediation sites that have been remediated by SVE systems. My hope is to update you on the status of each of the 4 sites, and present you with a rough SOW that we hope to implement later this week while we have some availability with a contractor here in town. Below is a rough description of each with additional data files for discussion.

MUDGE LS 7 (300451043100): Planned for Thursday AM

Previous excavation to 20', remaining impacts below 20' treated by SVE; SVE System has reached asymptotic rate (all 10 points) 3 Borings, near BH-11 (TD 40' bgs), BH-6 (TD 35' bgs), BH-1 (TD 30' bgs), plus 4 on edge of delineation = 7 TOTAL 2-3 Soil samples per boring

SAMMONS GC A1A (300452213500): Planned for Thursday PM

SVE System has reach asymptotic rate (all 4 points) 1 Boring near BH-1/VH-3, and possibly up to 2 additional within impacted area (TD 25' bgs) 2-3 TOTAL Borings 2-3 Soil samples per boring

ATLANTIC A LS 9A (300452249200): Planned for Friday AM SVE System has reached asymptotic rate (all 5 points) Most likely still impacts near GP-2 (30-45' bgs), possibly GP-3 (38-48' bgs) 2 Borings near GP-2 (TD 50' bgs) and GP-3 (TD 50' bgs) = 2 TOTAL Borings 2-3 Soil samples per boring If impacts are still obvious between 30-50', Set 2 SVE points (screened 30-50' bgs, and 38-48' bgs).

IRVIN COM 1E (30045258411): Planned for Friday PM Periodic elevated Xylenes in MW-6 Install 1 AS point near MW-6 and existing SVE point DTW = (19.8 feet to 21.8 feet last 3 years) New AS point screened 27-25' bgs with riser to surface Run AS and SVE together.

John Ritchie BP Lower 48 - San Juan South - Farmington Field Environmental Coordinator o. (505) 326-9429 c. (505) 320-7703

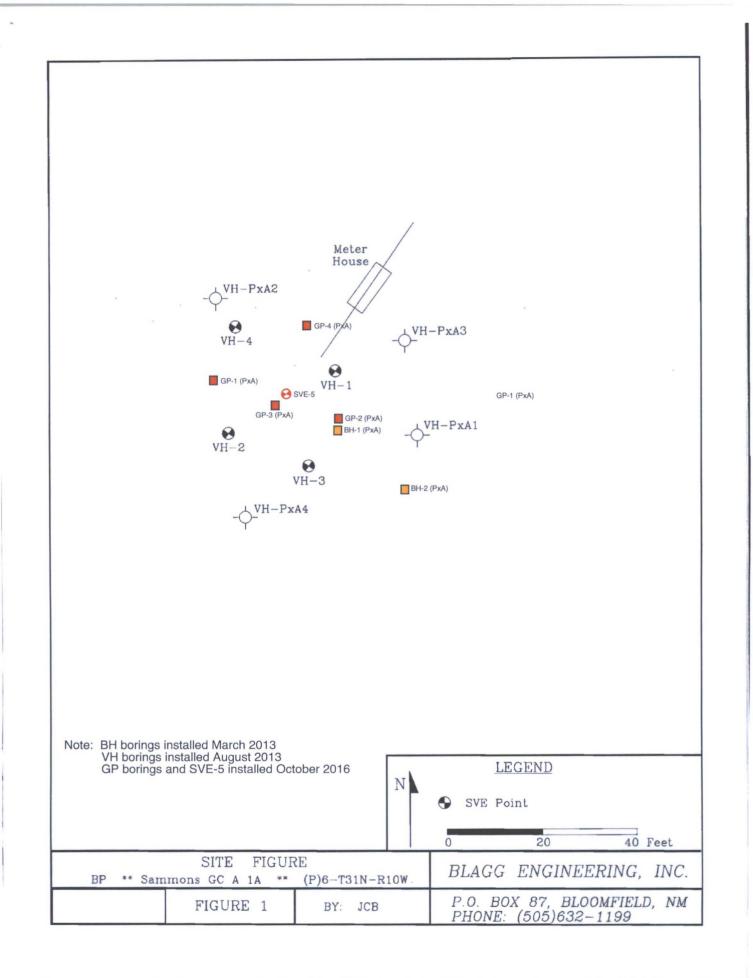
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State of New Mexico Energy Minerals and Natural Resources

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.

1220 S. St. Fran	icis Dr., Sant	a Fe, NM 8750	5	S	anta Fe	e, NM 875	05						
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					OPF	ERATOR			🛛 Initia	1 🔲 Final Repo	rt		
Name of Co	ompany: B	P				Contact: John Ritchie							
		Court, Farm	ington, N	M 87401		Telephone No.: 505-326-9429							
Facility Nat	me: Samm	ons GC A 0	01A			Facility Typ	e: Natural gas v	vell					
Surface Ow	mer: Fee			Mineral	Owner:	Fee			API No	. 30-045-22135			
						N OF REJ	FASE		1				
Unit Letter P	Section 6	Township 31N	Range 10W	Feet from the 830		South Line	Feet from the 1,000	East/V East	West Line	County: San Juan			
		Latit	ide <u>36.</u>	92262°		Longitude	-107.91809°						
					TIRE	OF REL							
Type of Rele	ase: Conde	nsate		IA	UNE	-	Release: Unknov	vn	Volume F	Recovered: Unknown			
Source of Re			eter run wi	thin northwest po	ortion	Date and H	our of Occurrenc		Date and	Hour of Discovery: N	farch 1,		
of well pad) Was Immedia	ate Notice (Tiven?				Unknown If YES, To	Whom?		2013				
			Yes 🛛	No 🗌 Not R	equired					OIL CONS. DIV	DIST. 3		
By Whom?	n	1 10				Date and H		1			2017		
Was a Water	course Read	ched?	Yes 🛛	No		If YES, Vo	lume Impacting t	he Wate	ercourse.	JUL 03	2011		
If a Watercou	irse was Im	pacted, Descr	ibe Fully.*	k									
										urce (near meter run v rings were advanced a			
approximatel converted int levels of OVI recovered any	y 5 to 35' b o SVE poin M readings y remaining	egs. Of the eights. A SVE ren within the eff	ht follow- nediation s luent strea rocarbon in	up delineation so system has been m of the SVE system mpacts to subsurf	il borings operating stem, from	s, four showe g at location si m all four SV	l hydrocarbon im nce March 2015. E points, it is det	Based ermined	o soil. These on the expe l that the SV	ea with vertical interv c same four borings w cted diminishing/asyr /E system has effectiv place material is warr	vere nptotic vely		
regulations al public health should their c	ll operators or the envir operations h nment. In a	are required to ronment. The ave failed to a ddition, NMC	acceptance acceptance adequately OCD accep	nd/or file certain the of a C-141 rep investigate and p	release no ort by the remediate	otifications ar NMOCD ma contamination	d perform correc arked as "Final Ro on that pose a thre	tive act eport" d eat to gr	ions for rele loes not reli round water	uant to NMOCD rule cases which may enda eve the operator of lia , surface water, huma ompliance with any of	anger ability an health		
Signature:	11	114	2			OIL CONSERVATION DIVISION							
Printed Name	e: John Ritc	hie				Approved by Environmental Specialist:							
Title: Field E	nvironment	al Coordinato	r			Approval Dat	e:	1	Expiration 1	Date:			
E-mail Addre	ess: john.rite	chie@bp.com			(Conditions of	Approval:			Attached			
Date: Octobe		to If NIcons		: 505-326-9429		0.0		U.A	15	0 1.11			
Attach Addit	lional Shee	Ets II NECESS	ary			Operate	R Subary	puck	Ner CG	s C-14(



Page 1 of 1 BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632 - 1199West (Between 2+4) BORING ID: GP-1 FIELD BORING LOG SAMMONS A 1A PROJECT: CLIENT: BP America Production Co. DRILLING CONTRACTOR: Earth Worx EQUIPMENT USED: Geoprobe 6620DT DATE START: 10/13/16 DATE FINISH: 10/13/16 DRILLER: 1T TOTAL DEPTH: 40 CASING TYPE & SIZE: LOGGED BY: JB SLOT SIZE: COMMENTS: SAMPLE DEPTH SAMPLE OVM SAMPLE DESCRIPTION FEET TIME STAFT 1529 1' 2' Recover 36", Litely Moist Silty SAND, TAN, NO STRIN. V. Lite Obor 3-4" 3' 3.4 4' 1531 5' 6' Recover 28", silty SAND (SAA) while same Life HC dolt. 7' 4.0 8' 1533 9' Recover 29 SAA, some abok. 1 Minco silt strugers. 10 11' TPH = 21.7 12' 1535 13' Recover 34" SAA, NO Obor Beglinny @ 15' 14' 15' 1.4 16' 1538 17' Recover 27, SAA, With V. Lite HC abor 18' 19' i.0 20 1542 SAA 20-22 22-24' Five Sand ALL WHM HC Odor Recover 36" 22' 23' TPH = 7,700 ppm 35.1 24' 1547 25' 26' Recover 18" Fine SAND SAA, with odor. 27' 28' 1551 0.8 <u>29'</u> 30

BLAGG ENGINEERING, INC. Page 2 of 2 P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	
FIELD BORING LOG BORING ID: GP-1 PROJECT: SAMMOUS A IA CLIENT: BP America Production Co. DRILLING CONTRACTOR: EAAMWORX EQUIPMENT USED: GP - GO DT DATE START: G/13/16 DATE START: G/13/16 DATE START: GATE FINISH: 10713/16 DRILLER: LOGGED BY: JB COMMENTS:	-
DEPTH SAMPLE SAMPLE FEET TIME TYPE OUM SAMPLE DESCRIPTION	
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$\frac{39'}{-40} - \frac{1603}{41'} = \frac{1}{100} = \frac{1}{100}$	
42' 43' 44' 45'	
46' 47' 48' 49'	
- <u>50</u> <u>52'</u> <u>53'</u>	
<u>54'</u> <u>55'</u> <u>56'</u> <u>57'</u>	••••
57' 58' 59' 60	

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BLAGG ENGINEERING, INC. Page 1 of 1 P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632 - 1199EAST Side BORING ID: ______ FIELD BORING LOG SAMMONS A 1A PROJECT: _ CLIENT: BP America Production Co. DRILLING CONTRACTOR: Earth Worx Geoprobe 6620DT EQUIPMENT USED: DATE START: 10/14/16 DATE FINISH: 10/14/16 DRILLER: LT LOGGED BY: FCB TOTAL DEPTH: CASING TYPE & SIZE: SLOT SIZE: COMMENTS: SAMPLE' TIME SAMPLE DEPTH SAMPLE DESCRIPTION FEET TYPE 0339 START 1' RECOVER 12", DRY Silty Send, TAN, NO/NS 2' 3' 10.8 4' 09210 5' Recover 12", Litely Maist TAN Solty SAND, Minus ODOR 6' 7' 10.7 8' 08411 9' Recover 18 SAA 10 11' 28.9 12' 0844 13' Recover 22" SAX, INCREASED ODOR 14' 15' TPH = 35.2 16' 0847 17' TPH (5-pt comp 10' - 24') = 5,408 ppm Recover 24" SAA 18' 19' 20.2 20 0250 22' Recover 20", SAA, less odor 23' 10.1 24' 0909 25' 26' RECOVER 12", SAA 27' 2.5 0912 28' 29'

BLAGG ENGINEERING, INC. Page 2 of 2 P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632 - 1199EAST SLOP, BORING ID: GP-2 FIELD BORING LOG SAMMONS A IA PROJECT: _ CLIENT: BP America Production Co. DRILLING CONTRACTOR: EARTHWORX EQUIPMENT USED: 6P 6620DT LOGGED BY: JC3 SLOT SIZE: COMMENTS: DEPTH SAMPLE SAMPLE SAMPLE DESCRIPTION FEET TYPE TIME 31' Recover 16" SAA 32' 0917 10.7 33' 34' Recover 16", SAA, NO ODOR 35' 1.0 36' 0920 37' 38' Recover 18 - SAA 39' TPH = ND 40 0925 1.1 41' 42' 43' 44' 45' 46' 47' 48' 49' 50 52' 53' 54' 55' 56' 57' 58' 59' ſ

BLAGG ENGINEERING, INC. Page 1 of 1 P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632 - 1199Center of Impact BORING ID: GP-3 FIELD BORING LOG PROJECT: _ SAMMUNS A IA CLIENT: BP America Production Co. DRILLING CONTRACTOR: Earth Worx Geoprobe 6620DT EQUIPMENT USED: DATE START: 10/14/16 DATE FINISH: 10/14/16 DRILLER: ____ LOGGED BY: JB TOTAL DEPTH: 40 CASING TYPE & SIZE: _____ SLOT SIZE: _____ COMMENTS: SAMPLE SAMPLE DEPTH SAMPLE DESCRIPTION FEET TYPE 0437 START 1' 2' Recover 18", TAN intely Muist silty SAND Minor HC ODAR. 3' 4' 0938 9.9 5' Recover 30", SAA 6' 7' 80.1 8' 0940 9' Recover 32, SAA to 10 10-12: Moist Davek Brown Silt 10 11' W HC OBOR. 0943 TPH= 11,220 ppm 292 12' 13' TPH (5-pt @ 6' - 20') = 7.036 pp Recover 42, Silty SAND, Dert BROWN, MOIST 14' 15' 84.0 0945 16' 17' Recover 36, SAA 18' 19' 0947 126.3 20 Receiver 34", SAA 22' 23' 6.0 24' 0951 25' 26' Recover 30, SAA 27' 28' 0954 2.7 29′ 30

P.0	BLAGG ENGINEERING, INC. Page 2 of 2 P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199									
PROJE CLIEN DRILL EQUIP DATE	ECT: IT: BP A ING CON MENT US START: IU DEPTH:	merica Produ ITRACTOR: _ SED: /14/2016 D.	15 AIA							
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35' 36' 37' 38' 39'	1000	2 . TPH -	Recover 36, SAA, No obor No Stain.							
- 40- 41' 42' 43' 44' 45'	1004	TPH = Z								
46' 47' 48' 49' - 50 -										
51' 52' 53' 54' 55'										
56' 57' 58' 59'										

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P.0	BLAGG ENGINEERING, INC. Page <u>1</u> of <u>1</u> P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 North Side of Center									
FIE	LD B.C	RINC								
CLIEN DRILL EQUIP DATE TOTAL	PRDJECT: SAMMONS A A CLIENT: BP America Production Co.									
DEPTH	SAMPLE TIME	SAMPLE TYPE		SAMPLE DESCRIPTION						
1' 2' 3' 4' 5'	1033		1.8	STORT Recover 12" Litely Moist TAN Silly SAND, NO,	/NI5					
6' 7' 8' 9'	1036		\$4.0	Recover 16" SAA						
-10 - <u>11'</u> <u>12'</u> <u>13'</u> 14'	(038		\$4.0	Recover 12						
15' 16' 17' 18'	1041	TPH = 6,309 ppm	824.9	Recover 10, SAA, lite HC ODOR 15-16 Recover 30, SAA, Norobory	TPH (3-pt @ 14'-20') = 4,100 ppm					
19' - 20' - 21'	1043		10.3	Necost vo, vnn, no coopo						
22' 23' 24' 25'	1045		3.6	Recover 10, No apor						
26' 27' 28' 29' 30	1048		3.2	Recover 12; SAA	x					

P.0	BLAGG ENGINEERING, INC. Page 2 of 2 P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199										
PROJE CLIEN DRILL EQUIP DATE TOTAL	FIELD BORING LOG BORING ID: GP-4 PROJECT: SAMMUS A 1A CLIENT: BP America Production Co. DRILLING CONTRACTOR: EAPHWSEX EQUIPMENT USED: GP 10620 DT DATE START: 10/14/2016 DATE FINISH: DRILLER: LT LOGGED BY: JR TOTAL DEPTH: 40' CASING TYPE & SIZE: SLOT SIZE: COMMENTS:										
DEPTH FEET	SAMPLE TIME	SAMPLE TYPE		SAMPLE DESCRIPTION							
31' 32' 33' 34' 35'	1052		32.4	Recover 12 - SAA							
36' 37' 38' 39' - 40-	1058		i.7	Recover 12" SAA							
41' 42' 43' 44' 45' 46' 47' 48'											
48 49'' 51' 52' 53' 54' 55'											
53' 56' 57' 58' 59'		l									

BL	AGG	ENG	INEE	RI	N	G, INC. Page <u>1</u> of <u>1</u>					
P.0	BOX 8	37, BL(OOMFIE	ELD,	N	M 87413					
(50	5) 632-	-1199									
DIDI	D DC	DINC		7		DODING ID WE E					
	D BC					BORING ID: <u>SVE-5</u>					
	T: BP An			-							
	ING CON			and the second s	-	X					
EQUIP	MENT US	ED:	Geo	prob	е	6620DT					
DATE :	DEPTH:	30	DATE	FINIS	YPI	<u>IO/I9/2016</u> DRILLER: <u>LI</u> LOGGED BY: JB E & SIZE: 2" PVC SUDT SIZE: 00 (11/2)					
COMME	DATE START: 10/14/2016 DATE FINISH: 10/14/2016 DRILLER: LT LOGGED BY: JB TOTAL DEPTH: 30 CASING TYPE & SIZE: 2" PVC SLOT SIZE: 0.010 COMMENTS: Borny Installed For SVE POINT - NO SAMPLING										
DEPTH	SAMPLE	SAMPLE	DVM	10							
FEET	TIME	TYPE	(ppm)			SAMPLE DESCRIPTION					
1'											
5,					Concernant in						
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5' 6'				ENDNITE	+-+						
7'				8							
8'					11						
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

October 28, 2016

Jeff Blagg Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 632-1199 FAX (505) 632-3903

RE: Sammons GC A 1A

OrderNo.: 1610843

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 12 sample(s) on 10/18/2016 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 <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

and

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report							
Lab Order 1610843							
Date Reported: 10/28/2016							

CLIENT: Blagg Engineering Client Sample ID: GP-1 @ 11'-12' Project: Sammons GC A 1A Collection Date: 10/13/2016 3:35:00 PM Lab ID: 1610843-001 Matrix: SOIL Received Date: 10/18/2016 8:00:00 AM Analyses Result POL Qual Units DE Date Analyzed

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	LGT
Chloride	ND	30		mg/Kg	20	10/26/2016 9:44:56 PM	28282
EPA METHOD 8015M/D: DIESEL RANGE		S				Analyst	TOM
Diesel Range Organics (DRO)	5700	100		mg/Kg	10	10/20/2016 4:06:03 PM	28168
Surr: DNOP	0	70-130	S	%Rec	10	10/20/2016 4:06:03 PM	28168
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	NSB
Gasoline Range Organics (GRO)	37	4.7		mg/Kg	1	10/19/2016 3:41:52 PM	28132
Surr: BFB	324	68.3-144	S	%Rec	1	10/19/2016 3:41:52 PM	28132
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.024		mg/Kg	1	10/19/2016 3:41:52 PM	28132
Toluene	ND	0.047		mg/Kg	1	10/19/2016 3:41:52 PM	28132
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2016 3:41:52 PM	28132
Xylenes, Total	0.098	0.095		mg/Kg	1	10/19/2016 3:41:52 PM	28132
Surr: 4-Bromofluorobenzene	123	80-120	S	%Rec	1	10/19/2016 3:41:52 PM	28132

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 16
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report							
Lab Order 1610843							
Date Reported: 10/28/2016							

CLIENT: Blagg Engineering

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Client Sample ID: GP-1 @ 23'-24' Collection Date: 10/13/2016 3:47:00 PM

Project:	Sammons GC A 1A				Collection	Date: 10/	/13/2016 3:47:00 PM			
Lab ID:	1610843-002	Matrix: S	Matrix: SOIL			Received Date: 10/18/2016 8:00:00 AM				
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Batch		
EPA METH	HOD 300.0: ANIONS						Analyst	LGT		
Chloride		ND	30		mg/Kg	20	10/26/2016 9:57:21 PM	28282		
EPA METH	HOD 8015M/D: DIESEL R/	ANGE ORGANICS	j.				Analyst:	TOM		
Diesel Ra	nge Organics (DRO)	7700	95		mg/Kg	10	10/20/2016 4:49:08 PM	28168		
Surr: D	NOP	0	70-130	S	%Rec	10	10/20/2016 4:49:08 PM	28168		
EPA METH	HOD 8015D: GASOLINE R	RANGE					Analyst:	NSB		
Gasoline I	Range Organics (GRO)	ND	23	D	mg/Kg	5	10/19/2016 5:43:09 PM	28132		
Surr: Bl	FB	79.5	<u>68.3</u> -144	D	%Rec	5	10/19/2016 5:43:09 PM	28132		
EPA METH	HOD 8021B: VOLATILES						Analyst:	NSB		
Benzene		ND	0.12	D	mg/Kg	5	10/19/2016 5:43:09 PM	28132		
Toluene		ND	0.23	D	mg/Kg	5	10/19/2016 5:43:09 PM	28132		
Ethylbenz	ene	ND	0.23	D	mg/Kg	5	10/19/2016 5:43:09 PM	28132		
Xylenes, Total		ND	0.47	D	mg/Kg	5	10/19/2016 5:43:09 PM	28132		
Surr: 4-	Bromofluorobenzene	96.7	80-120	D	%Rec	5	10/19/2016 5:43:09 PM	28132		

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Η	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 2 of 16
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report						
Lab Order 1610843						
Date Reported: 10/28/2016						

CLIENT: Blagg Engineering

Client Sample ID: GP-1 @ 39'-40' Collection Date: 10/13/2016 4:03:00 PM

00 0 0						
Sammons GC A 1A			Collection I	Date: 10/	13/2016 4:03:00 PM	
1610843-003	Matrix:	Matrix: SOIL		Received Date: 10/18/2016 8:00:0		
	Result	PQL Qu	ual Units	DF	Date Analyzed	Batch
THOD 300.0: ANIONS					Analyst	LGT
	ND	30	mg/Kg	20	10/26/2016 10:09:46 P	M 28282
THOD 8015M/D: DIESEL RA	NGE ORGANICS	5			Analyst	TOM
ange Organics (DRO)	ND	9.6	mg/Kg	1	10/20/2016 5:32:28 PM	28168
DNOP	96.7	70-130	%Rec	1	10/20/2016 5:32:28 PM	28168
THOD 8015D: GASOLINE R	ANGE				Analyst	NSB
e Range Organics (GRO)	ND	5.0	mg/Kg	1	10/20/2016 1:03:26 PM	28132
BFB	83.7	68.3-144	%Rec	1	10/20/2016 1:03:26 PM	28132
THOD 8021B: VOLATILES					Analyst	NSB
	ND	0.025	mg/Kg	1	10/20/2016 1:03:26 PM	28132
	ND	0.050	mg/Kg	1	10/20/2016 1:03:26 PM	28132
izene	ND	0.050	mg/Kg	1	10/20/2016 1:03:26 PM	28132
Total	ND	0.099	mg/Kg	1	10/20/2016 1:03:26 PM	28132
4-Bromofluorobenzene	97.8	80-120	%Rec	1	10/20/2016 1:03:26 PM	28132
	1610843-003 THOD 300.0: ANIONS THOD 8015M/D: DIESEL RA ange Organics (DRO) DNOP THOD 8015D: GASOLINE R e Range Organics (GRO) BFB THOD 8021B: VOLATILES	1610843-003 Matrix: Result THOD 300.0: ANIONS ND THOD 8015M/D: DIESEL RANGE ORGANICS ange Organics (DRO) ND DNOP 96.7 THOD 8015D: GASOLINE RANGE e Range Organics (GRO) ND BFB 83.7 THOD 8021B: VOLATILES ND DIESEL RANGE ORGANICS THOD 8021B: VOLATILES ND ND DIESEL RANGE ORGANICS	1610843-003 Matrix: SOIL Result PQL Qu THOD 300.0: ANIONS ND 30 THOD 8015M/D: DIESEL RANGE ORGANICS ND 9.6 DNOP 96.7 70-130 70-130 THOD 8015D: GASOLINE RANGE 83.7 68.3-144 A Range Organics (GRO) ND 5.0 5.0 BFB 83.7 68.3-144 5.0 THOD 8021B: VOLATILES ND 0.025 ND 0.050 70-130 7.0	1610843-003 Matrix: SOIL Received I Result PQL Qual Units THOD 300.0: ANIONS ND 30 mg/Kg THOD 8015M/D: DIESEL RANGE ORGANICS ange Organics (DRO) ND 9.6 mg/Kg DNOP 96.7 70-130 %Rec THOD 8015D: GASOLINE RANGE BRB 83.7 68.3-144 %Rec THOD 8021B: VOLATILES MD 0.025 mg/Kg MD 0.050 mg/Kg	1610843-003 Matrix: SOIL Received Date: 10/ Result PQL Qual Units DF THOD 300.0: ANIONS ND 30 mg/Kg 20 THOD 8015M/D: DIESEL RANGE ORGANICS mg/Kg 1 20 THOD 8015M/D: DIESEL RANGE ORGANICS mg/Kg 1 ange Organics (DRO) ND 9.6 mg/Kg 1 DNOP 96.7 70-130 %Rec 1 THOD 8015D: GASOLINE RANGE 1 1 BFB 83.7 68.3-144 %Rec 1 THOD 8021B: VOLATILES mg/Kg 1 exame ND 0.025 mg/Kg 1 MD 0.050 mg/Kg 1 1 nzene ND 0.050 mg/Kg 1 Total ND 0.099 mg/Kg 1	1610843-003 Matrix: SOIL Received Date: 10/18/2016 8:00:00 AM Result PQL Qual Units DF Date Analyzed THOD 300.0: ANIONS ND 30 mg/Kg 20 10/26/2016 10:09:46 P THOD 8015M/D: DIESEL RANGE ORGANICS XD 9.6 mg/Kg 1 10/20/2016 5:32:28 PM ONOP 96.7 70-130 %Rec 1 10/20/2016 5:32:28 PM ONOP 96.7 70-130 %Rec 1 10/20/2016 5:32:28 PM ONOP 96.7 70-130 %Rec 1 10/20/2016 1:03:26 PM Range Organics (DRO) ND 5.0 mg/Kg 1 10/20/2016 1:03:26 PM BFB 83.7 68.3-144 %Rec 1 10/20/2016 1:03:26 PM CHOD 8021B: VOLATILES ND 0.025 mg/Kg 1 10/20/2016 1:03:26 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 3 of 16
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis	Labora	tory, In	IC.		Lab Order 1610843 Date Reported: 10/28/2016
CLIENT: Blagg EngineeringProject: Sammons GC A 1ALab ID: 1610843-004	Matrix:	SOIL		Collection	nple ID: GP-2 @ 15'-16' n Date: 10/14/2016 8:47:00 AM d Date: 10/18/2016 8:00:00 AM
Analyses	Result	PQL	Qual	Units	DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: LGT
Chloride	ND	30		mg/Kg	20 10/26/2016 10:22:11 PM 28282
EPA METHOD 8015M/D: DIESEL RANGE		S			Analyst: TOM
Diesel Range Organics (DRO)	4800	93		mg/Kg	10 10/20/2016 6:15:43 PM 28168
Surr: DNOP	0	70-130	S	%Rec	10 10/20/2016 6:15:43 PM 28168
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB
Gasoline Range Organics (GRO)	12	4.8		mg/Kg	1 10/19/2016 6:31:56 PM 28132
Surr: BFB	217	68.3-144	S	%Rec	1 10/19/2016 6:31:56 PM 28132
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024		mg/Kg	1 10/19/2016 6:31:56 PM 28132
Toluene	ND	0.048		mg/Kg	1 10/19/2016 6:31:56 PM 28132
Ethylbenzene	ND	0.048		mg/Kg	1 10/19/2016 6:31:56 PM 28132
Xylenes, Total	ND	0.096		mg/Kg	1 10/19/2016 6:31:56 PM 28132
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	1 10/19/2016 6:31:56 PM 28132

Analytical Report

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Η	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 4 of 16
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report						
Lab Order 1610843						
Date Reported: 10/28/2016						

CLIENT: Blagg Engineering Client Sample ID: GP-2 @ 39'-40' Project: Sammons GC A 1A Collection Date: 10/14/2016 9:25:00 AM Lab ID: 1610843-005 Matrix: SOIL Received Date: 10/18/2016 8:00:00 AM Applyses POL Ougl Units DE Date Applyzed

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	ND	30	mg/Kg	20	10/26/2016 10:34:35 P	M 28282
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S			Analyst	TOM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	10/20/2016 3:31:24 PM	28168
Surr: DNOP	92.5	70-130	%Rec	1	10/20/2016 3:31:24 PM	28168
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/20/2016 1:26:49 PM	28132
Surr: BFB	82.2	68.3-144	%Rec	1	10/20/2016 1:26:49 PM	28132
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	10/20/2016 1:26:49 PM	28132
Toluene	ND	0.047	mg/Kg	1	10/20/2016 1:26:49 PM	28132
Ethylbenzene	ND	0.047	mg/Kg	1	10/20/2016 1:26:49 PM	28132
Xylenes, Total	ND	0.095	mg/Kg	1	10/20/2016 1:26:49 PM	28132
Surr: 4-Bromofluorobenzene	93.9	80-120	%Rec	1	10/20/2016 1:26:49 PM	28132

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 5 of 16
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report						
Lab Order 1610843						
Date Reported: 10/28/2016						

CLIENT: Blagg Engineering Client Sample ID: GP-2: 5pt (10'-24') Project: Sammons GC A 1A Collection Date: 10/14/2016 9:30:00 AM Lab ID: 1610843-006 Matrix: SOIL Received Date: 10/18/2016 8:00:00 AM Analyses Result PQL Qual Units DF Date Analyzed Batch

EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	ND	30		mg/Kg	20	10/26/2016 10:47:00 PM 28282
EPA METHOD 8015M/D: DIESEL RANGE	ORGANIC	S				Analyst: TOM
Diesel Range Organics (DRO)	5400	94		mg/Kg	10	10/20/2016 2:35:43 PM 28168
Surr: DNOP	0	70-130	S	%Rec	10	10/20/2016 2:35:43 PM 28168
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	8.4	4.9		mg/Kg	1	10/19/2016 7:20:31 PM 28132
Surr: BFB	159	68.3-144	S	%Rec	1	10/19/2016 7:20:31 PM 28132
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/19/2016 7:20:31 PM 28132
Toluene	ND	0.049		mg/Kg	1	10/19/2016 7:20:31 PM 28132
Ethylbenzene	ND	0.049		mg/Kg	1	10/19/2016 7:20:31 PM 28132
Xylenes, Total	ND	0.099		mg/Kg	1	10/19/2016 7:20:31 PM 28132
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	10/19/2016 7:20:31 PM 28132

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 6 of 16
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Ar	alytic	al Report
La	b Order	1610843

CLIENT: Blagg Engineering

Project: Sammons GC A 1A

Date Reported: 10/28/2016 Client Sample ID: GP-3 @ 11'-12' Collection Date: 10/14/2016 9:43:00 AM

Lab ID: 1610843-007	Matrix:	Matrix: SOIL			Received Date: 10/18/2016 8:00:00 AM			
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analys	t: LGT	
Chloride	ND	30		mg/Kg	20	10/26/2016 10:59:25 P	M 28282	
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS	6				Analys	t: TOM	
Diesel Range Organics (DRO)	11000	940		mg/Kg	100	10/21/2016 8:58:10 AM	/ 28168	
Surr: DNOP	0	70-130	S	%Rec	100	10/21/2016 8:58:10 AM	/ 28168	
EPA METHOD 8015D: GASOLINE RAN	IGE					Analys	t: NSB	
Gasoline Range Organics (GRO)	220	4.8		mg/Kg	1	10/19/2016 7:44:44 PM	/ 28132	
Surr: BFB	1300	68.3-144	S	%Rec	1	10/19/2016 7:44:44 PM	/ 28132	
EPA METHOD 8021B: VOLATILES						Analys	t: NSB	
Benzene	ND	0.024		mg/Kg	1	10/19/2016 7:44:44 PM	1 28132	
Toluene	ND	0.048		mg/Kg	1	10/19/2016 7:44:44 PM	1 28132	
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2016 7:44:44 PM	1 28132	
Xylenes, Total	0.62	0.097		mg/Kg	1	10/19/2016 7:44:44 PM	1 28132	
Surr: 4-Bromofluorobenzene	236	80-120	S	%Rec	1	10/19/2016 7:44:44 PM	1 28132	

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Е	Value above quantitation range
	Η	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 7 of 16
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report
Lab Order 1610843

Date Reported: 10/28/2016

Hall Environmental Analysis Laboratory, Inc.

.

CLIENT: Blagg Engineering Client Sample ID: GP-3 @ 39'-40' Project: Sammons GC A 1A Collection Date: 10/14/2016 10:04:00 AM Lab ID: 1610843-008 Matrix: SOIL Received Date: 10/18/2016 8:00:00 AM Analyses Result PQL Qual Units DF Date Analyzed Batch

EPA METHOD 300.0: ANIONS					Analyst: LGT
Chloride	ND	30	mg/Kg	20	10/26/2016 11:36:49 AM 28304
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S			Analyst: TOM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	10/20/2016 12:44:49 PM 28168
Surr: DNOP	94.3	70-130	%Rec	1	10/20/2016 12:44:49 PM 28168
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/20/2016 1:50:10 PM 28132
Surr: BFB	87.4	68.3-144	%Rec	1	10/20/2016 1:50:10 PM 28132
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	10/20/2016 1:50:10 PM 28132
Toluene	ND	0.048	mg/Kg	1	10/20/2016 1:50:10 PM 28132
Ethylbenzene	ND	0.048	mg/Kg	1	10/20/2016 1:50:10 PM 28132
Xylenes, Total	ND	0.097	mg/Kg	1	10/20/2016 1:50:10 PM 28132
Surr: 4-Bromofluorobenzene	98.7	80-120	%Rec	1	10/20/2016 1:50:10 PM 28132

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	A
	D	Sample Diluted Due to Matrix	Е	V
	Η	Holding times for preparation or analysis exceeded	J	A
	ND	Not Detected at the Reporting Limit	Р	Sa
	R	RPD outside accepted recovery limits	RL	R

- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 8 of 16
- P Sample pH Not In Range
- L Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analy		Date Reported: 10/28/2016					
CLIENT: Blagg Engineering Project: Sammons GC A 1A			C	Collection	Date: 10/	P-3: 5-pt (6'-20') /14/2016 10:20:00 A	
Lab ID: 1610843-009	Matrix:	SOIL		Received	Date: 10/	(18/2016 8:00:00 AN	1
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analy	st: LGT
Chloride	ND	30		mg/Kg	20	10/26/2016 12:14:04	PM 28304
EPA METHOD 8015M/D: DIESEL RAI		s				Analy	st: TOM
Diesel Range Organics (DRO)	7000	98		mg/Kg	10	10/20/2016 11:49:47	AM 28168
Surr: DNOP	0	70-130	S	%Rec	10	10/20/2016 11:49:47	AM 28168
EPA METHOD 8015D: GASOLINE RA	NGE					Analy	st: NSB
Gasoline Range Organics (GRO)	36	23	D	mg/Kg	5	10/19/2016 8:33:03 P	M 28132
Surr: BFB	107	68.3-144	D	%Rec	5	10/19/2016 8:33:03 P	M 28132
EPA METHOD 8021B: VOLATILES						Analys	st: NSB
Benzene	ND	0.11	D	mg/Kg	5	10/19/2016 8:33:03 P	M 28132
Toluene	ND	0.23	D	mg/Kg	5	10/19/2016 8:33:03 P	M 28132
Ethylbenzene	ND	0.23	D	mg/Kg	5	10/19/2016 8:33:03 P	M 28132
Xylenes, Totai	ND	0.46	D	mg/Kg	5	10/19/2016 8:33:03 P	M 28132
Surr: 4-Bromofluorobenzene	102	80-120	D	%Rec	5	10/19/2016 8:33:03 P	M 28132

Analytical Report Lab Order 1610843

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	Ε	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 9 of 16
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	w	Sample container temperature is out of limit as specified

Analytical Report					
Lab Order 1610843					
Date Reported: 10/28/2016					

CLIENT: Blagg Engineering Client Sample ID: GP-4 @ 15'-16' Project: Sammons GC A 1A Collection Date: 10/14/2016 10:41:00 AM Lab ID: 1610843-010 Matrix: SOIL Received Date: 10/18/2016 8:00:00 AM Analyses Result PQL Qual Units DF Date Analyzed Batch

EPA METHOD 300.0: ANIONS						Analyst: LGT
Chloride	ND	30		mg/Kg	20	10/26/2016 12:26:28 PM 28304
EPA METHOD 8015M/D: DIESEL RANGE	S				Analyst: TOM	
Diesel Range Organics (DRO)	6300	95		mg/Kg	10	10/20/2016 10:55:04 AM 28168
Surr: DNOP	0	70-130	S	%Rec	10	10/20/2016 10:55:04 AM 28168
EPA METHOD 8015D: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	9.4	5.0		mg/Kg	1	10/20/2016 2:13:42 PM 28132
Surr: BFB	213	68.3-144	S	%Rec	1	10/20/2016 2:13:42 PM 28132
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/20/2016 2:13:42 PM 28132
Toluene	ND	0.050		mg/Kg	1	10/20/2016 2:13:42 PM 28132
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2016 2:13:42 PM 28132
Xylenes, Total	ND	<mark>0.10</mark>		mg/Kg	1	10/20/2016 2:13:42 PM 28132
Surr: 4-Bromofluorobenzene	98.7	80-120		%Rec	1	10/20/2016 2:13:42 PM 28132

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Η	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 10 of 16
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report	
Lab Order 1610843	

Date Reported: 10/28/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering Client Sample ID: GP-4 @ 39'-40' Project: Sammons GC A 1A Collection Date: 10/14/2016 11:03:00 AM Lab ID: 1610843-011 Matrix: SOIL Received Date: 10/18/2016 8:00:00 AM Analyses Result PQL Qual Units DF Date Analyzed Batch

1 knuty 505	Itesuit	I QL QU	ai emes	DI	Dute I mary 200	Dutth
EPA METHOD 300.0: ANIONS					Analys	st: LGT
Chloride	ND	30	mg/Kg	20	10/26/2016 12:38:52 F	PM 28304
EPA METHOD 8015M/D: DIESEL RANG	E ORGANIC	S			Analys	st: TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	10/20/2016 10:27:51 A	AM 28168
Surr: DNOP	95.8	70-130	%Rec	1	10/20/2016 10:27:51 /	AM 28168
EPA METHOD 8015D: GASOLINE RANG	θE				Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/19/2016 9:21:27 PI	M 28132
Surr: BFB	88.8	68.3-144	%Rec	1	10/19/2016 9:21:27 PI	M 28132
EPA METHOD 8021B: VOLATILES					Analys	st: NSB
Benzene	ND	0.024	mg/Kg	1	10/19/2016 9:21:27 PI	M 28132
Toluene	ND	0.048	mg/Kg	1	10/19/2016 9:21:27 Pi	M 28132
Ethylbenzene	ND	0.048	mg/Kg	1	10/19/2016 9:21:27 PI	M 28132
Xylenes, Total	ND	0.096	mg/Kg	1	10/19/2016 9:21:27 PI	M 28132
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	10/19/2016 9:21:27 PI	M 28132

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 11 of 16
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysi	Iall Environmental Analysis Laboratory, Inc.												
CLIENT: Blagg Engineering Project: Sammons GC A 1A	Client Sample ID: GP-4: 3-pt (14'-20') Collection Date: 10/14/2016 11:10:00 AM												
Lab ID: 1610843-012	Matrix:	SOIL		Received	Date: 10/	/18/2016 8:00:00 Al	M						
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch						
EPA METHOD 300.0: ANIONS						Anal	yst: LGT						
Chloride	ND	30		mg/Kg	20	10/26/2016 12:51:17	PM 28304						
EPA METHOD 8015M/D: DIESEL RANG		S				Anal	yst: TOM						
Diesel Range Organics (DRO)	4100	98		mg/Kg	10	10/20/2016 10:00:35	AM 28168						
Surr: DNOP	0	70-130	S	%Rec	10	10/20/2016 10:00:35	AM 28168						
EPA METHOD 8015D: GASOLINE RAN	GE					Anal	yst: NSB						
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/19/2016 11:22:42	PM 28132						
Surr: BFB	101	68.3-144		%Rec	1	10/19/2016 11:22:42	PM 28132						
EPA METHOD 8021B: VOLATILES						Analy	yst: NSB						
Benzene	ND	0.024		mg/Kg	1	10/19/2016 11:22:42	PM 28132						
Toluene	ND	0.048		mg/Kg	1	10/19/2016 11:22:42	PM 28132						
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2016 11:22:42	PM 28132						
Xylenes, Total	ND	0.096		mg/Kg	1	10/19/2016 11:22:42	PM 28132						
Surr: 4-Bromofluorobenzene	96.5	80-120		%Rec	1	10/19/2016 11:22:42	PM 28132						

Analytical Report Lab Order 1610843

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 12 of 16
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

Client:Blagg EngineeringProject:Sammons GC A 1A

Sample ID MB-28282	SampType: MBLK	TestCode: EPA Method	A Method 300.0: Anions						
Client ID: PBS	Batch ID: 28282	RunNo: 38270							
Prep Date: 10/25/2016	Analysis Date: 10/26/2016	SeqNo: 1194409	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual					
Chloride	ND 1.5								
Sample ID LCS-28282	SampType: LCS	TestCode: EPA Method	od 300.0: Anions						
Client ID: LCSS	Batch ID: 28282	RunNo: 38270							
Prep Date: 10/25/2016	Analysis Date: 10/26/2016	SeqNo: 1194410	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual					
Chloride	15 1.5 15.00	0 97.7 90	110						
	SampType: MBLK TestCode: EPA Method 300.0: Anions								
Sample ID MB-28304	SampType: MBLK	TestCode: EPA Method	300.0: Anions						
Sample ID MB-28304 Client ID: PBS	SampType: MBLK Batch ID: 28304	TestCode: EPA Method RunNo: 38270	300.0: Anions						
	1 31		300.0: Anions Units: mg/Kg						
Client ID: PBS	Batch ID: 28304 Analysis Date: 10/26/2016	RunNo: 38270		RPDLimit Qual					
Client ID: PBS Prep Date: 10/26/2016	Batch ID: 28304 Analysis Date: 10/26/2016	RunNo: 38270 SeqNo: 1194460	Units: mg/Kg	RPDLimit Qual					
Client ID: PBS Prep Date: 10/26/2016 Analyte	Batch ID: 28304 Analysis Date: 10/26/2016 Result PQL SPK value	RunNo: 38270 SeqNo: 1194460	Units: mg/Kg HighLimit %RPD	RPDLimit Qual					
Client ID: PBS Prep Date: 10/26/2016 Analyte Chloride	Batch ID: 28304 Analysis Date: 10/26/2016 Result PQL SPK value ND 1.5	RunNo: 38270 SeqNo: 1194460 SPK Ref Val %REC LowLimit	Units: mg/Kg HighLimit %RPD	RPDLimit Qual					
Client ID: PBS Prep Date: 10/26/2016 Analyte Chloride Sample ID LCS-28304	Batch ID: 28304 Analysis Date: 10/26/2016 Result PQL SPK value ND 1.5 SampType: LCS	RunNo: 38270 SeqNo: 1194460 SPK Ref Val %REC LowLimit TestCode: EPA Method	Units: mg/Kg HighLimit %RPD	RPDLimit Qual					
Client ID: PBS Prep Date: 10/26/2016 Analyte Chloride Sample ID LCS-28304 Client ID: LCSS	Batch ID: 28304 Analysis Date: 10/26/2016 Result PQL SPK value ND 1.5 SampType: LCS Batch ID: 28304 Analysis Date: 10/26/2016	RunNo: 38270 SeqNo: 1194460 SPK Ref Val %REC LowLimit TestCode: EPA Method RunNo: 38270	Units: mg/Kg HighLimit %RPD 300.0: Anions	RPDLimit Qual					

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#:

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Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering

Project: Sammons GC A 1A

Sample ID MB-28168	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 28	3168	F	RunNo: 38067					
Prep Date: 10/19/2016	Analysis Date: 1	S	SeqNo: 1	187499	Units: mg/K	g			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10								
Surr: DNOP	8.7	10.00		86.6	70	130			
Sample ID LCS-28168	SampType: Lo	cs	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID: 28	3168	F	RunNo: 3	8067				
Prep Date: 10/19/2016	Analysis Date: 1	0/20/2016	S	SeqNo: 1	188812	Units: mg/K	g		
				NDEO	Louis Line 14	Liberta Liberta			.
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte Diesel Range Organics (DRO)	Result PQL 48 10		SPK Ref Val	%REC 96.7	62.6	HighLimit 124	%RPD	RPDLIMIt	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#:

e	associated	Method	Blank

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Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering **Project:**

Sammons GC A 1A

	for the second se									
Sample ID MB-28132	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch	ID: 28	132	F	RunNo: 38052					
Prep Date: 10/18/2016	Analysis Date: 10/19/2016		S	SeqNo: 1186959			g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.1	68.3	144			
Sample ID LCS-28132	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 28132 RunNo: 38052									
						0001				
Prep Date: 10/18/2016	Analysis D	ate: 10)/19/2016	S	SeqNo: 1		Units: mg/K	g		
Prep Date: 10/18/2016 Analyte	Analysis D Result	ate: 1(PQL		S SPK Ref Val			Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
					SeqNo: 1	186960	•	-	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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WO#: 1610843

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering **Project:**

Sammons GC A 1A

Sample ID MB-28132	SampT	Type: ME	BLK	Tes	tCode: El	tiles					
Client ID: PBS	Batcl	h ID: 28	132	F	RunNo: 38052						
Prep Date: 10/18/2016	Analysis E	Date: 10	0/19/2016	S	SeqNo: 1	187007	Units: mg/Kg				
Analyte	Result	Result PQL SPK value		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120				
Sample ID LCS-28132	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles			
Client ID: LCSS	Batch	h ID: 28	132	F	RunNo: 38052						
Prep Date: 10/18/2016	Analysis D	Date: 10	0/19/2016	S	SeqNo: 1	187008	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.90	0.025	1.000	0	90.1	75.2	115				
Toluene	0.85	0.050	1.000	0	85.1	80.7	112				
Ethylbenzene	0.86	0.050	1.000	0	85.8	78.9	117				
Xylenes, Total	07	0.10	3.000				115				
	2.7	0.10	5.000	0	90.1	19.2	110				
Surr: 4-Bromofluorobenzene	0.96	0.10	1.000	0	95.9	80	120				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Η Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

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HALL ENVIRONMENTA ANALYSIS LABORATORY	L	ll Environmental Albu Albu EL: 505-345-3975 Website: www.hal	4901 Hav querque, N FAX: 505-3	wkins NE M 87109 845-4107	Sam	ple Log-In C	heck List
Client Name: BLAGG	Wor	k Order Number:	1610843			RcptNo:	1
Received by/date:	A- IOINIG						
Logged By: Anne Thor	ne 10/18/2	2016 8:00:00 AM		ame	Him	_	
Completed By: Anne Thor		2016		ame	Am	_	
Reviewed By:	w/ielicy						
Chain of Custody						. *	
1. Custody seals intact on sa	ample bottles?		Yes	No		Not Present	
2. Is Chain of Custody comp	lete?		Yes 🔽	No		Not Present	
3. How was the sample deliv	vered?		<u>Courier</u>				
Log In							
4. Was an attempt made to	cool the samples?		Yes 🔽	N	•		
5. Were all samples received	d at a temperature of >0°	C to 6.0°C	Yes 🗹	No		NA 🗀	
6. Sample(s) in proper conta	ainer(s)?		Yes 🗹	N	•		
7. Sufficient sample volume	for indicated test(s)?		Yes 🗹	No			
8. Are samples (except VOA	and ONG) properly prese	rved?	Yes 🗹	No			
9. Was preservative added to	o bottles?		Yes	No		NA 🗆	
10.VOA vials have zero head	space?		Yes			No VOA Vials 🗹	
11. Were any sample contain	ers received broken?		Yes	N	0 🗹	# of preserved	
12. Does paperwork match bo (Note discrepancies on ch			Yes 🗹	No	□	bottles checked for pH:	r >12 unless noted)
13. Are matrices correctly iden	.,	1?	Yes 🖌	No		Adjusted?	
14. Is it clear what analyses w	vere requested?		Yes 🗹	No			
15. Were all holding times abl			Yes 🔽	No		Checked by:	
(If no, notify customer for a			_		_		
16. Was client notified of all di	iscrepancies with this orde	и?	Yes	No		NA 🗆	٦
Person Notified:		Date					
By Whom:		Via:	eMail	Phone	Fax	In Person	
Regarding: Client Instructions:	. af Barl Ion - al Bhirdelle - and f Barlandari sharing dan a mark. Alashakirka Sadi m	an dh' daona b' 1 a'' an aban dh' daolad bhadad a daol a	And Your Verman rook Abber				
17. Additional remarks:	1		· · · _	a			
18. Cooler Information							
Cooler No Temp °C	Condition Seal Intac	t Seal No S	Seal Date	Signed	Ву]	۶
1 1.0	Good Yes]	i

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CI	hain-of-	Custo	dy Record	Turn-Around	Time:				HAL	E	NV	TDC	NM	FNT	-	
Client:	Blagg Engine	ering, Inc		Standard	B Rush				ANA							
	BP America			Project Name	Э:								ental.c			-
Mailing Addr	'ess:	P.O. Box	87		Sammons G	CA1A		4901 H							09	
			ld, NM 87413	Project #:			4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107									
Phone #:		(505)320	-1183				Analysis Request									
email or Fax	#:			Project Mana	iger:											Τ
QA/QC Packa					Jeff Blagg			Q								
Standard			Level 4 (Full Validation))				١ <u>٦</u>								
Other			Sampler:	Jeff Blagg			S									
] EDD (Type)		On Ice: Sample Tem	¥Yes	□ No 1.0	Ē	0									
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type		BTEX (8021)	TPH 8015B (GRO / DRO)						Chinado	Cnioriae	
10/13/2016	15:35	Soil	GP-1 @ 11' - 12'	4oz x 1	Cool	-201	x	x						;	ĸ	T
10/13/2016	15:47	Soil	GP-1 @ 23' - 24'	4oz x 1	Cool	202	x	x						,	x	T
10/13/2016	16:03	Soil	GP-1 @ 39' - 40'	4oz x 1	Cool	-703	x	x						,	x	T
10/14/2016	8:47	Soil	GP-2 @ 15' - 16'	4oz x 1	Cool	405	x	x						,	ĸ	T
10/14/2016	9:25	Soil	GP-2 @ 39' - 40'	4oz x 1	Cool	-005	x	x						,	ĸ	T
10/14/2016	9:30	Soil	GP-2: 5-pt (10'-24')	4oz x 1	Cool	-206	x	x)	<	T
10/14/2016	9:43	Soil	GP-3 @ 11' - 12'	4oz x 1	Cool	-07	x	x)	x	
10/14/2016	10:04	Soil	GP-3 @ 39' - 40'	4oz x 1	Cool	-208	x	x						,	x	T
10/14/2016	10:20	Soil	GP-3: 5-pt (6'-20')	4oz x 1	Cool	-09	x	x)	x	
10/14/2016	10:41	Soil	GP-4 @ 15' - 16'	4oz x 1	Cool	-010	×	x)	x	
10/14/2016	11:03	Soil	GP-4 @ 39' - 40'	4oz x 1	Cool	-011	x	x)	x	
10/14/2016	11:10	Soil	GP-4: 5-pt (14'-20')	4oz x 1	Cool	012	x	×)	x	
Date: /17/2016 Date:	Time: 1136 Time:	Relinquish	GP-4: 9-pt (14'-20') ed by: [JB699] ed by:	Received by:	lalt	Date Time 10/17/16 1136 Date Time	Rema Conta VID:	ict: .	Bill BP Iohn Rit		1					
10/17/10	1840	- Reinquish	ed by:	Vih	mil	10/18/16	WBS	Eleme	nt: L1-0	0136	-E:S					

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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.