

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 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	BP America Production Company	Contact	Erin Garifalos
Address	200 Energy Court, Farmington, NM 87401	Telephone No.	(832) 609-7048
Facility Name	ATLANTIC B LS 003A	Facility Type	Natural Gas Well

Surface Owner	Federal	Mineral Owner	Federal	API No.	3004522989
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
I	04	30N	10W	1,800	South	825	East	San Juan

Latitude 36.838258 Longitude -107.881955 NAD83

NATURE OF RELEASE

Type of Release: none	Volume of Release: unknown	Volume Recovered: N/A
Source of Release: below grade tank - 21 bbl	Date and Hour of Occurrence: n/a	Date and Hour of Discovery: n/a
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

OIL CONS. DIV DIST. 3
DEC 08 2017

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Sampling of the soil beneath the BGT was done during removal. Soil analysis resulted for TPH, BTEX and chlorides with all but TPH below BGT closure standards. Following the spill and release guidelines, the site is ranked with a closure standard of 5,000 ppm TPH requiring no further action. Further, sampling at 9' indicated BGT closure. Field reports and laboratory results are attached.

Describe Area Affected and Cleanup Action Taken.*
No further action required. Final laboratory analysis determined no remedial action is required.

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

Signature: <i>erin garifalos</i>	OIL CONSERVATION DIVISION	
Printed Name: Erin Garifalos	Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Coordinator	Approval Date: 12/20/17	Expiration Date:
E-mail Address: erin.garifalos@bp.com	Conditions of Approval: OOD Site Rank 10	Attached <input type="checkbox"/>
Date: December 6, 2017	Phone: (832) 609-7048	

* Attach Additional Sheets If Necessary

NCS 1735432076

12

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004522989 TANK ID (if applicable): B																														
FIELD REPORT: (circle one): <u>BGT CONFIRMATION</u> / RELEASE INVESTIGATION / OTHER:		PAGE #: 1 of 1																														
SITE INFORMATION: SITE NAME: ATLANTIC B LS # 3A QUAD/UNIT: I SEC: 4 TWP: 30N RNG: 10W PM: NM CNTY: SJ ST: NM 1/4 -1/4/FOOTAGE: 1,800'S / 825'E NE/SE LEASE TYPE: FEDERAL / STATE / FEE / INDIAN LEASE #: SF080917 PROD. FORMATION: MV CONTRACTOR: STRIKE MBF - R. POWELL		DATE STARTED: 10/10/17 DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST(S): NJV																														
REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: 36.83840 X 107.88200 GL ELEV.: 6,407' 1) 21 BGT (SW/DB) GPS COORD.: 36.838258 X 107.881955 DISTANCE/BEARING FROM W.H.: 43.5', S6.5E 2) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____ 3) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____ 4) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____																																
SAMPLING DATA: CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DATE</th> <th>SAMPLE TIME</th> <th>LAB ANALYSIS</th> <th>OVN READING (ppm)</th> </tr> </thead> <tbody> <tr> <td>1) 5PC - EB @ 9' (21)</td> <td>10/10/17</td> <td>1455</td> <td>8015B/8021B/300.0 (CI)</td> <td>218</td> </tr> <tr> <td>2) 4PC - N&E SW @ 4' - 8' (21)</td> <td>10/10/17</td> <td>1505</td> <td>8015B/8021B/300.0 (CI)</td> <td>486</td> </tr> <tr> <td>3) 4PC - S&W SW @ 4' - 8' (21)</td> <td>10/10/17</td> <td>1515</td> <td>8015B/8021B/300.0 (CI)</td> <td>506</td> </tr> <tr> <td>4) _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>5) _____</td> <td>_____</td> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table>			SAMPLE ID	SAMPLE DATE	SAMPLE TIME	LAB ANALYSIS	OVN READING (ppm)	1) 5PC - EB @ 9' (21)	10/10/17	1455	8015B/8021B/300.0 (CI)	218	2) 4PC - N&E SW @ 4' - 8' (21)	10/10/17	1505	8015B/8021B/300.0 (CI)	486	3) 4PC - S&W SW @ 4' - 8' (21)	10/10/17	1515	8015B/8021B/300.0 (CI)	506	4) _____	_____	_____	_____	_____	5) _____	_____	_____	_____	_____
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4) _____	_____	_____	_____	_____																												
5) _____	_____	_____	_____	_____																												
SOIL DESCRIPTION: SOIL TYPE: SAND <u>SILTY SAND</u> SILT / SILTY CLAY / CLAY / GRAVEL <u>OTHER</u> BEDROCK (SANDSTONE) SOIL COLOR: MODERATE BROWN COHESION (ALL OTHERS): NON COHESIVE <u>SLIGHTLY COHESIVE</u> COHESIVE <u>HIGHLY COHESIVE</u> CONSISTENCY (NON COHESIVE SOILS): LOOSE <u>FIRM</u> DENSE <u>VERY DENSE</u> MOISTURE: DRY <u>SLIGHTLY MOIST</u> MOIST / WET / SATURATED / SUPER SATURATED SAMPLE TYPE: GRAB <u>COMPOSITE</u> # OF PTS. 5 DISCOLORATION/STAINING OBSERVED: <u>YES</u> NO EXPLANATION - BLACK TO LIGHT OLIVE GRAY PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD HC ODOR DETECTED: <u>YES</u> NO EXPLANATION - DISCOLORED SOILS/BEDROCK ANY AREAS DISPLAYING WETNESS: YES <u>NO</u> EXPLANATION - _____																																
SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: <u>YES</u> NO EXPLANATION - INSPECTION PORT 90 DEGREE ELBOW FITTING APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: <u>YES</u> NO EXPLANATION: DISCOLORATION & HYDROCARBON ODOR EQUIPMENT SET OVER RECLAIMED AREA: YES <u>NO</u> EXPLANATION - _____ OTHER: NMOCD OR REPS. NOT PRESENT TO WITNESS SAMPLING. SANDSTONE ENCOUNTERED AT 8 FT. BELOW GRADE - COMPETENT, SLIGHTLY FRIABLE WITH SLIGHT HYDROCARBON ODOR DETECTED PHYSICALLY & MOSTLY FROM NORTH & WEST SIDEWALLS. EXCAVATION DIMENSION ESTIMATION: 10 ft. X 11 ft. X 9 ft. EXCAVATION ESTIMATION (Cubic Yards): 10 ± DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: >1,000' NMOCD TPH CLOSURE STD: 5,000 ppm																																
SITE SKETCH <div style="display: flex; justify-content: space-between;"> <div> BGT Located : off <u>on</u> site </div> <div> PLOT PLAN circle: <u>attached</u> </div> </div> <div style="text-align: center;"> <p>W.H. ⊕</p> <p>(21) PBGTL T.B. ~ 6' B.G.</p> <p>EXCAVATION PERIMETER</p> <p>PROD. TANK</p> <p>STEEL CONTAINMENT RING</p> </div> <p style="text-align: right; font-weight: bold; font-size: 1.2em;">X - S.P.D.</p>																																
<div style="display: flex;"> <div style="flex: 1;"> <p>NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.</p> </div> <div style="flex: 1; border: 1px solid black; padding: 5px;"> MISCELL. NOTES WO: REF #: P-889 VID: VHIXONEV11 PJ #: Permit date(s): 08/29/17 OCD Appr. date(s): 09/12/17 Tank ID: B OVM = Organic Vapor Meter ppm = parts per million BGT Sidewalls Visible: Y / <u>(N)</u> BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E </div> </div>																																
NOTES: GOOGLE EARTH IMAGERY DATE: 3/15/2015. ONSITE: 10/06/17, 10/10/17																																

Analytical Report

Lab Order 1710589

Date Reported: 10/13/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 4PC N & E SW @ 4' & 8' (21)

Project: ATLANTIC B LS #3A

Collection Date: 10/10/2017 3:05:00 PM

Lab ID: 1710589-001

Matrix: SOIL

Received Date: 10/11/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/11/2017 10:10:27 AM	34353
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	310	9.6		mg/Kg	1	10/11/2017 12:14:38 PM	34352
Motor Oil Range Organics (MRO)	200	48		mg/Kg	1	10/11/2017 12:14:38 PM	34352
Surr: DNOP	99.7	70-130		%Rec	1	10/11/2017 12:14:38 PM	34352
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	7.1	3.7		mg/Kg	1	10/11/2017 9:37:54 AM	34330
Surr: BFB	167	54-150	S	%Rec	1	10/11/2017 9:37:54 AM	34330
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	10/11/2017 9:37:54 AM	34330
Toluene	ND	0.037		mg/Kg	1	10/11/2017 9:37:54 AM	34330
Ethylbenzene	ND	0.037		mg/Kg	1	10/11/2017 9:37:54 AM	34330
Xylenes, Total	ND	0.074		mg/Kg	1	10/11/2017 9:37:54 AM	34330
Surr: 4-Bromofluorobenzene	98.0	66.6-132		%Rec	1	10/11/2017 9:37:54 AM	34330

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	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
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	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 1710589

Date Reported: 10/13/2017

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Blagg Engineering**Client Sample ID:** 4PC S & W SW @ 4' & 8' (21)**Project:** ATLANTIC B LS #3A**Collection Date:** 10/10/2017 3:15:00 PM**Lab ID:** 1710589-002**Matrix:** SOIL**Received Date:** 10/11/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/11/2017 10:22:52 AM	34353
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	84	9.8		mg/Kg	1	10/11/2017 11:18:57 AM	34352
Motor Oil Range Organics (MRO)	58	49		mg/Kg	1	10/11/2017 11:18:57 AM	34352
Surr: DNOP	96.8	70-130		%Rec	1	10/11/2017 11:18:57 AM	34352
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	10/11/2017 10:01:20 AM	34330
Surr: BFB	106	54-150		%Rec	1	10/11/2017 10:01:20 AM	34330
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	10/11/2017 10:01:20 AM	34330
Toluene	ND	0.043		mg/Kg	1	10/11/2017 10:01:20 AM	34330
Ethylbenzene	ND	0.043		mg/Kg	1	10/11/2017 10:01:20 AM	34330
Xylenes, Total	ND	0.085		mg/Kg	1	10/11/2017 10:01:20 AM	34330
Surr: 4-Bromofluorobenzene	97.0	66.6-132		%Rec	1	10/11/2017 10:01:20 AM	34330

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	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
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	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 1710589

Date Reported: 10/13/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC-EB @ 9' (21)

Project: ATLANTIC B LS #3A

Collection Date: 10/10/2017 2:55:00 PM

Lab ID: 1710589-003

Matrix: SOIL

Received Date: 10/11/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	10/11/2017 10:35:16 AM	34353
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	460	9.4		mg/Kg	1	10/11/2017 12:42:25 PM	34352
Motor Oil Range Organics (MRO)	360	47		mg/Kg	1	10/11/2017 12:42:25 PM	34352
Surr: DNOP	103	70-130		%Rec	1	10/11/2017 12:42:25 PM	34352
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	6.1	4.2		mg/Kg	1	10/11/2017 10:24:36 AM	34330
Surr: BFB	172	54-150	S	%Rec	1	10/11/2017 10:24:36 AM	34330
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	10/11/2017 10:24:36 AM	34330
Toluene	ND	0.042		mg/Kg	1	10/11/2017 10:24:36 AM	34330
Ethylbenzene	ND	0.042		mg/Kg	1	10/11/2017 10:24:36 AM	34330
Xylenes, Total	ND	0.084		mg/Kg	1	10/11/2017 10:24:36 AM	34330
Surr: 4-Bromofluorobenzene	98.5	66.6-132		%Rec	1	10/11/2017 10:24:36 AM	34330

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	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
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Chain-of-Custody Record		Turn-Around Time:	SAME DAY
Client:	BLAGG ENGR. / BP AMERICA	<input type="checkbox"/> Standard	<input checked="" type="checkbox"/> Rush
Mailing Address:	P.O. BOX 87 BLOOMFIELD, NM 87413	Project Name:	ATLANTIC B LS # 3A
Phone #:	(505) 632-1199	Project #:	
email or Fax#:		Project Manager:	NELSON VELEZ
QA/QC Package:	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)	Sampler:	NELSON VELEZ
Accreditation:	<input type="checkbox"/> NELAP <input type="checkbox"/> Other	On Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> EDD (Type)		Sample Temperature:	

**SAME
DAY**

☐ Standard☒ Rush

Project Name:

ATLANTIC B LS # 3A

Project #:

Project Manager:

NELSON VELEZ

Sampler:

NELSON VELEZ

On Ice

☒ Yes

QR

Sample Temperature:

10

HEAL No

1710589

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Date:	Time:
10/10/17	1710

Relinquished by:

Received by:

Date _____ Time _____

Remarks:	<u>BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING V</u> <u>& REFERENCE # WHEN APPLICABLE;</u>
----------	--

CONTACT: ERIN GARIFALOS / VANCE HIXON

VID: VHIXONEVRM

Reference # P - 889

Date:	Time:
10/10/17	192

Relinquished by:

Received by:

Date _____ Time _____

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This process is outlined in the following:

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710589

13-Oct-17

Client: Blagg Engineering
Project: ATLANTIC B LS #3A

Sample ID	MB-34353	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	34353	RunNo:	46261					
Prep Date:	10/11/2017	Analysis Date:	10/11/2017	SeqNo:	1474729	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-34353	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	34353	RunNo:	46261					
Prep Date:	10/11/2017	Analysis Date:	10/11/2017	SeqNo:	1474730	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.7	90	110			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B 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 |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710589

13-Oct-17

Client: Blagg Engineering
Project: ATLANTIC B LS #3A

Sample ID	LCS-34352		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 34352		RunNo: 46257					
Prep Date:	10/11/2017		Analysis Date: 10/11/2017		SeqNo: 1473172		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.7	73.2	114			
Surr: DNOP	4.6		5.000		92.3	70	130			

Sample ID	MB-34352	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID: 34352			RunNo: 46257					
Prep Date:	10/11/2017	Analysis Date: 10/11/2017			SeqNo: 1473173		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.3		10.00		92.5	70	130			

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
PQL Practical Quantitative Limit
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710589

13-Oct-17

Client: Blagg Engineering
Project: ATLANTIC B LS #3A

Sample ID	MB-34330	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	34330	RunNo:	46259					
Prep Date:	10/10/2017	Analysis Date:	10/11/2017	SeqNo:	1474022	Units:	mg/Kg			
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	54	150			

Sample ID	LCS-34330	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	34330	RunNo:	46259					
Prep Date:	10/10/2017	Analysis Date:	10/11/2017	SeqNo:	1474023	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	117	76.4	125			
Surr: BFB	1000		1000		101	54	150			

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
PQL Practical Quantitative Limit
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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1710589

13-Oct-17

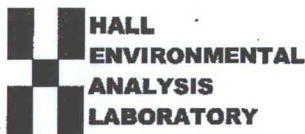
Client: Blagg Engineering
Project: ATLANTIC B LS #3A

Sample ID	MB-34330		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	34330		RunNo:	46259			
Prep Date:	10/10/2017		Analysis Date:	10/11/2017		SeqNo:	1474037		Units: mg/Kg	
Analyte	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	0.96		1.000		96.0	66.6	132			

Sample ID	LCS-34330		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	34330		RunNo:	46259			
Prep Date:	10/10/2017		Analysis Date:	10/11/2017		SeqNo:	1474038		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.1	80	120			
Toluene	0.97	0.050	1.000	0	96.6	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.1	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.5	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.1	66.6	132			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B 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
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	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
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: BLAGG

Work Order Number: 1710589

RcptNo: 1

Received By: Anne Thorne

10/11/2017 7:00:00 AM

Anne Thorne

Completed By: Anne Thorne

10/11/2017 7:27:46 AM

Anne Thorne

Reviewed By: *JS*

10/11/17

Chain of Custody

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? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
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) properly 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 broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

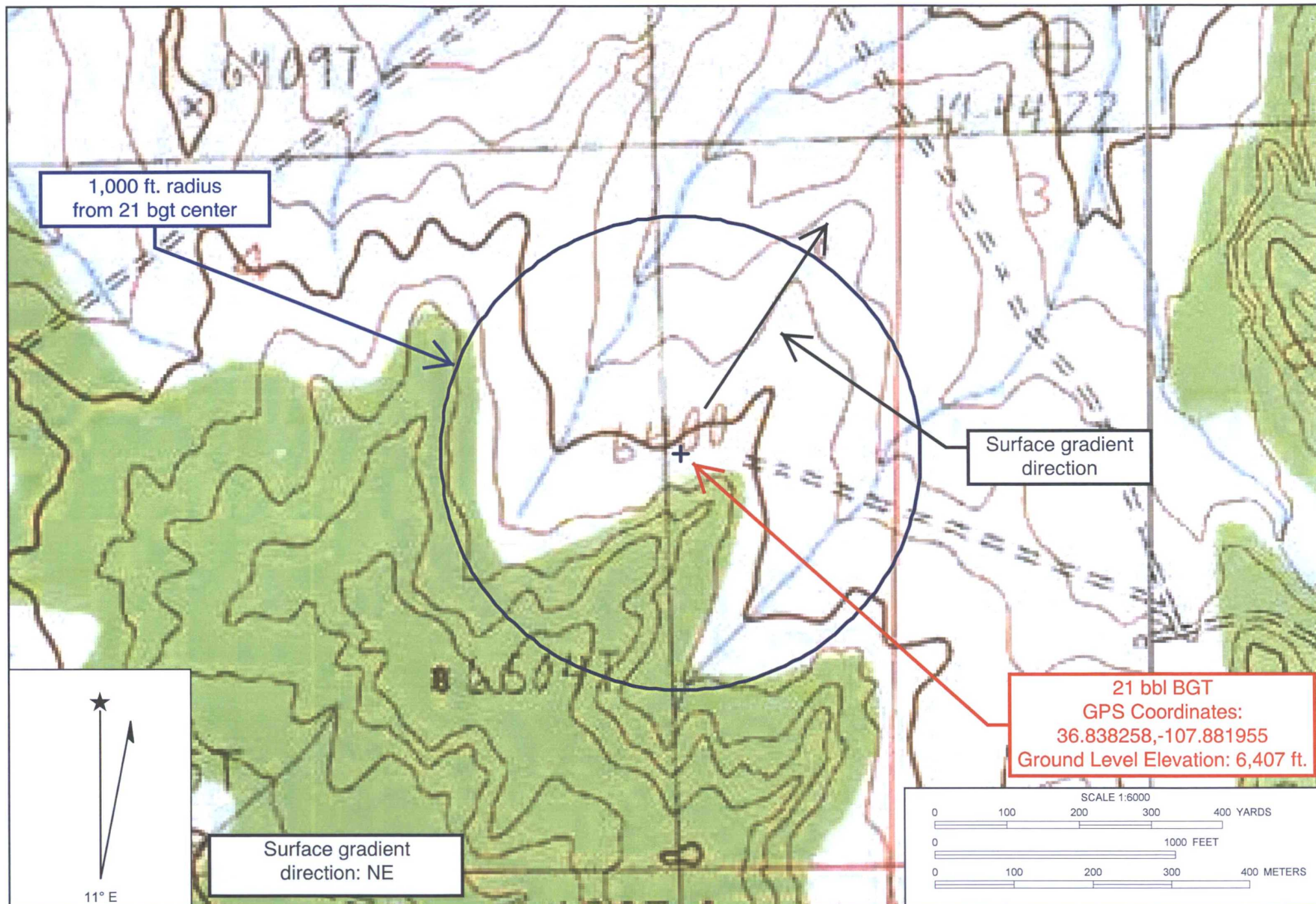
16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:	_____	Date	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			



BP - Atlantic B LS 003A

API #: 3004522989

Tank ID: 3004522989B

(I) Section 4, Township 30.0N, Range 10W, P.M. NM 23

Proximity to Watercourses