

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 August 8, 2011

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	Contact: Steve Moskal
Address: 380 Airport Rd., Durango, CO 81303	Telephone No.: 505-330-9179
Facility Name: Atlantic LS #001	Facility Type: Natural gas well

Surface Owner: Federal	Mineral Owner: Federal	API No. 3004510348
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**LOCATION OF RELEASE**

Unit Letter H	Section 25	Township 31N	Range 10W	Feet from the 1,650	North/South Line North	Feet from the 990	East/West Line East	County: San Juan
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Latitude 36.872314° Longitude -107.830766°

**NATURE OF RELEASE**

Type of Release: none	Volume of Release: unknown	Volume Recovered: N/A
Source of Release: below grade tank – 95 bbl	Date and Hour of Occurrence: none	Date and Hour of Discovery: none
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**


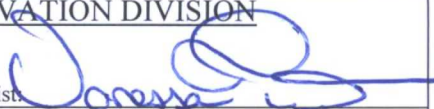
If a Watercourse was Impacted, Describe Fully.\*

**OCT 27 2017**

Describe Cause of Problem and Remedial Action Taken.\* Sampling of the soil beneath the BGT was done during removal. At the base of the BGT, around 5', potential impacts were seen. Soil analysis resulted for Chlorides below BGT closure standards and BTEX and TPH above BGT closure standards.

Describe Area Affected and Cleanup Action Taken.\* Excavation down to 9' was note to be a fairly competent sandstone. A 10 point sample at that depth was collected. Laboratory analysis determined remedial action is required. The impacted soil was removed and transported off site for landfarm treatment via dig and haul. The impacted area measured approximately 20'x25'x9' deep with approximately 40 cubic yards of soil removed from the site. A complete field report is attached documenting the remedial activities.

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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Steve Moskal	Approved by Environmental Specialist: 	
Title: Field Environmental Coordinator	Approval Date: <u>10/31/2017</u>	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: October 25, 2017 Phone: 505-330-9179		

\* Attach Additional Sheets If Necessary

**NVF1729736723**



CLIENT: <b>BP</b>	<b>BLAGG ENGINEERING, INC.</b> <b>P.O. BOX 87, BLOOMFIELD, NM 87413</b> <b>(505) 632-1199</b>	API #: <b>3004510348</b> TANK ID (if applicable): <b>A</b>
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<b>FIELD REPORT:</b>	(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / <u>OTHER:</u> <b>REMEDiation CLOSURE CONFIRMATION</b>	PAGE #: <b>1</b> of <b>1</b>
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<b>SITE INFORMATION:</b>	SITE NAME: <b>ATLANTIC LS # 1</b>	DATE STARTED: <b>07/17/17</b>
QUAD/UNIT: <b>H</b> SEC: <b>25</b> TWP: <b>31N</b> RNG: <b>10W</b> PM: <b>NM</b> CNTY: <b>SJ</b> ST: <b>NM</b>		DATE FINISHED: _____
1/4 - 1/4 FOOTAGE: <b>1,650'N / 990'E</b> <b>SE/NE</b> LEASE TYPE: <u>FEDERAL</u> / STATE / FEE / INDIAN		ENVIRONMENTAL SPECIALIST(S): <b>NJV</b>
LEASE #: <b>NM013688</b> PROD. FORMATION: <b>PC/MV</b> CONTRACTOR: <b>BP - J. GONZALES</b>		

<b>REFERENCE POINT:</b>	WELL HEAD (W.H.) GPS COORD.: <b>36.87228 X 107.83111</b> GL ELEV.: <b>6,540'</b>	
1) <b>95 BGT (SW/DB)</b> GPS COORD.: <b>36.872314 X 107.830766</b> DISTANCE/BEARING FROM W.H.: <b>85', N75E</b>		
2) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____		
3) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____		
4) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____		

<b>SAMPLING DATA:</b>	CHAIN OF CUSTODY RECORD(S) # OR LAB USED: <b>HALL</b>	OVM READING (ppm) <b>1,270</b> <b>546</b>
1) SAMPLE ID: <b>4PC - SW @ 5' - 7' (95)</b> SAMPLE DATE: <b>07/17/17</b> SAMPLE TIME: <b>0835</b> LAB ANALYSIS: <b>8015B/8021B/300.0 (CI)</b>		
2) SAMPLE ID: <b>5PC - EB @ 9' (95)</b> SAMPLE DATE: <b>07/17/17</b> SAMPLE TIME: <b>0825</b> LAB ANALYSIS: <b>8015B/8021B/300.0 (CI)</b>		
3) SAMPLE ID: _____ SAMPLE DATE: _____ SAMPLE TIME: _____ LAB ANALYSIS: _____		
4) SAMPLE ID: _____ SAMPLE DATE: _____ SAMPLE TIME: _____ LAB ANALYSIS: _____		
5) SAMPLE ID: _____ SAMPLE DATE: _____ SAMPLE TIME: _____ LAB ANALYSIS: _____		

<b>SOIL DESCRIPTION:</b>	SOIL TYPE: SAND <u>SILTY SAND</u> SILT <u>SILTY CLAY</u> CLAY / GRAVEL <u>OTHER</u> <b>BEDROCK (CLAYSTONE/SHALE)</b> SOIL COLOR: <b>OLIVE GRAY TO DUSKY RED</b> COHESION (ALL OTHERS): <u>NON COHESIVE</u> <u>SLIGHTLY COHESIVE</u> <u>COHESIVE</u> <u>HIGHLY COHESIVE</u> CONSISTENCY (NON COHESIVE SOILS): LOOSE <u>FIRM</u> DENSE <u>VERY DENSE</u> MOISTURE: <u>DRY</u> <u>SLIGHTLY MOIST</u> <u>MOIST</u> / WET / SATURATED / SUPER SATURATED SAMPLE TYPE: GRAB <u>COMPOSITE</u> # OF PTS. <b>4 &amp; 5</b> DISCOLORATION/STAINING OBSERVED: <u>YES</u> NO EXPLANATION - <b>MEDIUM TO OLIVE GRAY BETWEEN 7.5 - 9 FT. BELOW GRADE ON ALL SIDEWALLS</b>
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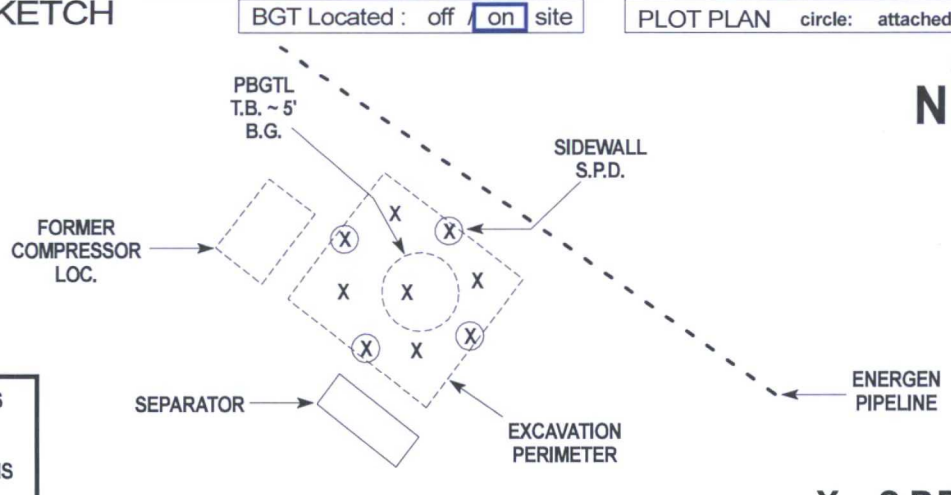
  

<b>SITE OBSERVATIONS:</b>	LOST INTEGRITY OF EQUIPMENT: YES / NO EXPLANATION - <b>POSSIBLY FROM INSPECTION PORT ELBOW FITTING</b> APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: <u>YES</u> NO EXPLANATION: <b>PHYSICALLY FROM DISCOLORATION WITH HYDROCARBON ODOR</b> EQUIPMENT SET OVER RECLAIMED AREA: <u>YES</u> NO EXPLANATION - <b>105 BBL SHALLOW LOW PROFILE ABOVE-GRADE TANK TO BE SET ATOP BGT LOCATION.</b> OTHER: <b>BEDROCK ENCOUNTERED APPROX. 9 FT. BELOW GRADE (OLIVE GRAY, STIFF TO VERY DENSE, DRY).</b>
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EXCAVATION DIMENSION ESTIMATION: <b>20</b> ft. X <b>25</b> ft. X <b>9</b> ft.	EXCAVATION ESTIMATION (Cubic Yards): <b>40 ±</b>
DEPTH TO GROUNDWATER: <b>&gt;100'</b> NEAREST WATER SOURCE: <b>&gt;1,000'</b> NEAREST SURFACE WATER: <b>&lt;1,000'</b> NMOC DTPH CLOSURE STD: <b>1,000</b> ppm	

<b>SITE SKETCH</b>	BGT Located: off <u>on</u> site PLOT PLAN circle: <u>attached</u> 
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OVM CALIB. READ. = <b>100.0</b> ppm RF=0.52 OVM CALIB. GAS = <b>100</b> ppm TIME: <b>8:42</b> (am/pm) DATE: <b>07/17/17</b>	<b>MISCELL. NOTES</b> WO: REF #: <b>P-867</b> VID: <b>VHIXONEVRM</b> PJ #: Permit date(s): <b>06/02/10</b> OCD Appr. date(s): <b>04/08/16</b> Tank ID: <b>A</b> OVM = Organic Vapor Meter ppm = parts per million BGT Sidewalls Visible: <u>Y</u> / N BGT Sidewalls Visible: <u>Y</u> / N BGT Sidewalls Visible: <u>Y</u> / N Magnetic declination: <b>10° E</b>
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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.	NOTES: <b>GOOGLE EARTH IMAGERY DATE: 3/15/2015.</b> ONSITE: <b>07/12/17, 07/14/17, 07/17/17</b>
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# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1707843

Date Reported: 7/20/2017

CLIENT: Blagg Engineering

Client Sample ID: 4 PC-SW @ 5'-7' (95)

Project: ATLANTIC LS #1

Collection Date: 7/17/2017 8:35:00 AM

Lab ID: 1707843-001

Matrix: SOIL

Received Date: 7/18/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	30		mg/Kg	20	7/18/2017 10:30:54 AM	32854
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	450	9.8		mg/Kg	1	7/18/2017 10:24:37 AM	32851
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/18/2017 10:24:37 AM	32851
Surr: DNOP	89.5	70-130		%Rec	1	7/18/2017 10:24:37 AM	32851
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	360	19		mg/Kg	5	7/18/2017 12:08:55 PM	32828
Surr: BFB	538	54-150	S	%Rec	5	7/18/2017 12:08:55 PM	32828
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.095		mg/Kg	5	7/18/2017 12:08:55 PM	32828
Toluene	ND	0.19		mg/Kg	5	7/18/2017 12:08:55 PM	32828
Ethylbenzene	1.0	0.19		mg/Kg	5	7/18/2017 12:08:55 PM	32828
Xylenes, Total	16	0.38		mg/Kg	5	7/18/2017 12:08:55 PM	32828
Surr: 4-Bromofluorobenzene	139	66.6-132	S	%Rec	5	7/18/2017 12:08:55 PM	32828

### Spill & Release Closure Standard Applied

Total TPH = 810 mg/Kg; closure standard = 1,000 mg/Kg  
Benzene = ND mg/Kg; closure standard = 10 mg/Kg  
Total BTEX = 17.0 mg/Kg; closure standard = 50 mg/Kg

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



# Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 1707843

Date Reported: 7/20/2017

CLIENT: Blagg Engineering

Client Sample ID: 5 PC-EB @ 9' (95)

Project: ATLANTIC LS #1

Collection Date: 7/17/2017 8:25:00 AM

Lab ID: 1707843-002

Matrix: SOIL

Received Date: 7/18/2017 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	30		mg/Kg	20	7/18/2017 10:43:19 AM	32854
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>TOM</b>
Diesel Range Organics (DRO)	81	9.2		mg/Kg	1	7/18/2017 10:52:20 AM	32851
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/18/2017 10:52:20 AM	32851
Surr: DNOP	88.7	70-130		%Rec	1	7/18/2017 10:52:20 AM	32851
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	50	20		mg/Kg	5	7/18/2017 12:32:35 PM	32828
Surr: BFB	183	54-150	S	%Rec	5	7/18/2017 12:32:35 PM	32828
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.10		mg/Kg	5	7/18/2017 12:32:35 PM	32828
Toluene	ND	0.20		mg/Kg	5	7/18/2017 12:32:35 PM	32828
Ethylbenzene	ND	0.20		mg/Kg	5	7/18/2017 12:32:35 PM	32828
Xylenes, Total	ND	0.41		mg/Kg	5	7/18/2017 12:32:35 PM	32828
Surr: 4-Bromofluorobenzene	120	66.6-132		%Rec	5	7/18/2017 12:32:35 PM	32828

### Spill & Release Closure Standard Applied

Total TPH = 131 mg/Kg; closure standard = 1,000 mg/Kg

Benzene = ND mg/Kg; closure standard = 10 mg/Kg

Total BTEX = ND mg/Kg; closure standard = 50 mg/Kg

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

<b>Qualifiers:</b>	*	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#: 1707843

20-Jul-17

Client: Blagg Engineering

Project: ATLANTIC LS #1

Sample ID	MB-32854		SampType: mblk		TestCode: EPA Method 300.0: Anions					
Client ID:	PBS		Batch ID: 32854		RunNo: 44295					
Prep Date:	7/18/2017		Analysis Date: 7/18/2017		SeqNo: 1400415		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-32854		SampType: lcs		TestCode: EPA Method 300.0: Anions					
Client ID:	LCSS		Batch ID: 32854		RunNo: 44295					
Prep Date:	7/18/2017		Analysis Date: 7/18/2017		SeqNo: 1400416		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.7	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#: 1707843

20-Jul-17

Client: Blagg Engineering

Project: ATLANTIC LS #1

Sample ID	MB-32851	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	32851	RunNo:	44282					
Prep Date:	7/18/2017	Analysis Date:	7/18/2017	SeqNo:	1398387	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	9.8		10.00		97.7	70	130			

Sample ID	LCS-32851	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	32851	RunNo:	44282					
Prep Date:	7/18/2017	Analysis Date:	7/18/2017	SeqNo:	1398621	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	56	10	50.00	0	112	73.2	114			
Surr: DNOP	4.6		5.000		91.9	70	130			

## 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#: 1707843

20-Jul-17

Client: Blagg Engineering

Project: ATLANTIC LS #1

Sample ID	MB-32828	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	32828	RunNo:	44294					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399599	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	960		1000		95.8	54	150			

Sample ID	LCS-32828	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	32828	RunNo:	44294					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399600	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	76.4	125			
Surr: BFB	1100		1000		105	54	150			

Sample ID	LCSD-32828	SampType:	LCSD	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS02	Batch ID:	32828	RunNo:	44294					
Prep Date:	7/17/2017	Analysis Date:	7/18/2017	SeqNo:	1399601	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000							0	0	

### 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#: 1707843

20-Jul-17

Client: Blagg Engineering

Project: ATLANTIC LS #1

Sample ID	MB-32828		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	32828		RunNo:	44294			
Prep Date:	7/17/2017		Analysis Date:	7/18/2017		SeqNo:	1399633		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	1.1		1.000		108	66.6	132			

Sample ID	LCS-32828		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	32828		RunNo:	44294			
Prep Date:	7/17/2017		Analysis Date:	7/18/2017		SeqNo:	1399634		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	0.99	0.050	1.000	0	98.7	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	66.6	132			

Sample ID	LCSD-32828		SampType:	LCSD		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS02		Batch ID:	32828		RunNo:	44294			
Prep Date:	7/17/2017		Analysis Date:	7/18/2017		SeqNo:	1399635		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	103	80	120	3.01	20	
Toluene	1.0	0.050	1.000	0	102	80	120	2.92	20	
Ethylbenzene	1.0	0.050	1.000	0	103	80	120	2.89	20	
Xylenes, Total	3.1	0.10	3.000	0	104	80	120	3.23	20	
Surr: 4-Bromofluorobenzene	1.1		1.000		111	66.6	132	0		

### 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





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: 1707843

RcptNo: 1

Received By: Anne Thorne

7/18/2017 7:00:00 AM

*Anne Thorne*

Completed By: Anne Thorne

7/18/2017 7:28:56 AM

*Anne Thorne*

Reviewed By: *[Signature]*

7/18/17

### 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  $6.0^{\circ}\text{C}$ ? 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	1.6	Good	Yes			

<b>Chain-of-Custody Record</b>		Turn-Around Time: <b>SAME DAY</b>
Client: <b>BLAGG ENGR. / BP AMERICA</b>	<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush	
Mailing Address: <b>P.O. BOX 87</b>	Project Name: <b>ATLANTIC LS # 1</b>	
<b>BLOOMFIELD, NM 87413</b>	Project #:	
Phone #: <b>(505) 632-1199</b>	Project Manager: <b>NELSON VELEZ</b>	
email or Fax#:		
QA/QC Package: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)	Sampler: <b>NELSON VELEZ</b>	
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: <b>51-2.00 F</b>	

**Turn-Around Time:**

**SAME  
DAY**

☐ Standard☒ Rush

Project Name:

ATLANTIC LS #1

Project #:

Project Manager:

NELSON VELEZ

**Sampler:**

NELSON VELEZ

Office

☒ YES

No

Sample Temperature

$$S_1 - Z_0(F) = 1/6$$
[illegible]

Date: 7/17/17	Time: 1619	Relinquished by: <i>[Signature]</i>	Received by: Chris Waack	Date 7/17/17	Time 1619
Date: 7/17/17	Time: 1819	Relinquished by: Christine Waack	Received by: <i>[Signature]</i>	Date 07/18/17	Time 1700

Remarks:	BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING VID & REFERENCE # WHEN APPLICABLE;
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**CONTACT: STEVE MOSKAL / VANCE HIXON**

VID: VHIXONEVRM

Reference # P - 867

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.