

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.
OIL CONSERV. DIV. DIST. 3

Release Notification and Corrective Action

OCT 19 2016

OPERATOR

Initial Report Final Report

Name of Company: BP	Contact: Steve Moskal
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9497
Facility Name: Federal Gas Com N 001	Facility Type: Natural Gas well
Surface Owner: Federal	Mineral Owner: Federal
API No. 3004525544	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: San Juan
B	14	30N	11W	1,090	North	1,640	East	

Latitude 36.81646° Longitude -107.95708°

NATURE OF RELEASE

Type of Release: Oil/condensate	Volume of Release: unknown	Volume Recovered: none
Source of Release: Failed integrity of production tank flow line	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: September October 4, 2016; 9:00 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom? Steve Moskal	Date and Hour:	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*
Describe Cause of Problem and Remedial Action Taken.* While removing a production tank for replacement, stained soil was noted. Investigation revealed the tank had an integrity failure of a flow line that likely occurred during the tank move. The release will be addressed following the spill and release guidelines.
Describe Area Affected and Cleanup Action Taken.* The release was contained to the secondary containment and has appeared to have travelled vertically through the soil, reaching a depth of approximately 14' with little lateral movement. The release will be addressed following the spill and release guidelines through excavation. Attached are laboratory results of the initial investigation.

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:	OIL CONSERVATION DIVISION	
Printed Name: Steve Moskal	Approved by Environmental Specialist:	
Title: Field Environmental Coordinator	Approval Date: 10/16/16	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: October 18, 2016 Phone: 505-326-9497	Test For TPH (DRO-GRO-MRO) Beta, Benzene.	

* Attach Additional Sheets If Necessary

#NCS 1630028823

13



300 Tank

21 BGT

Estimated Impact
15' x 15' x 14' Deep

95 BGT

Separator

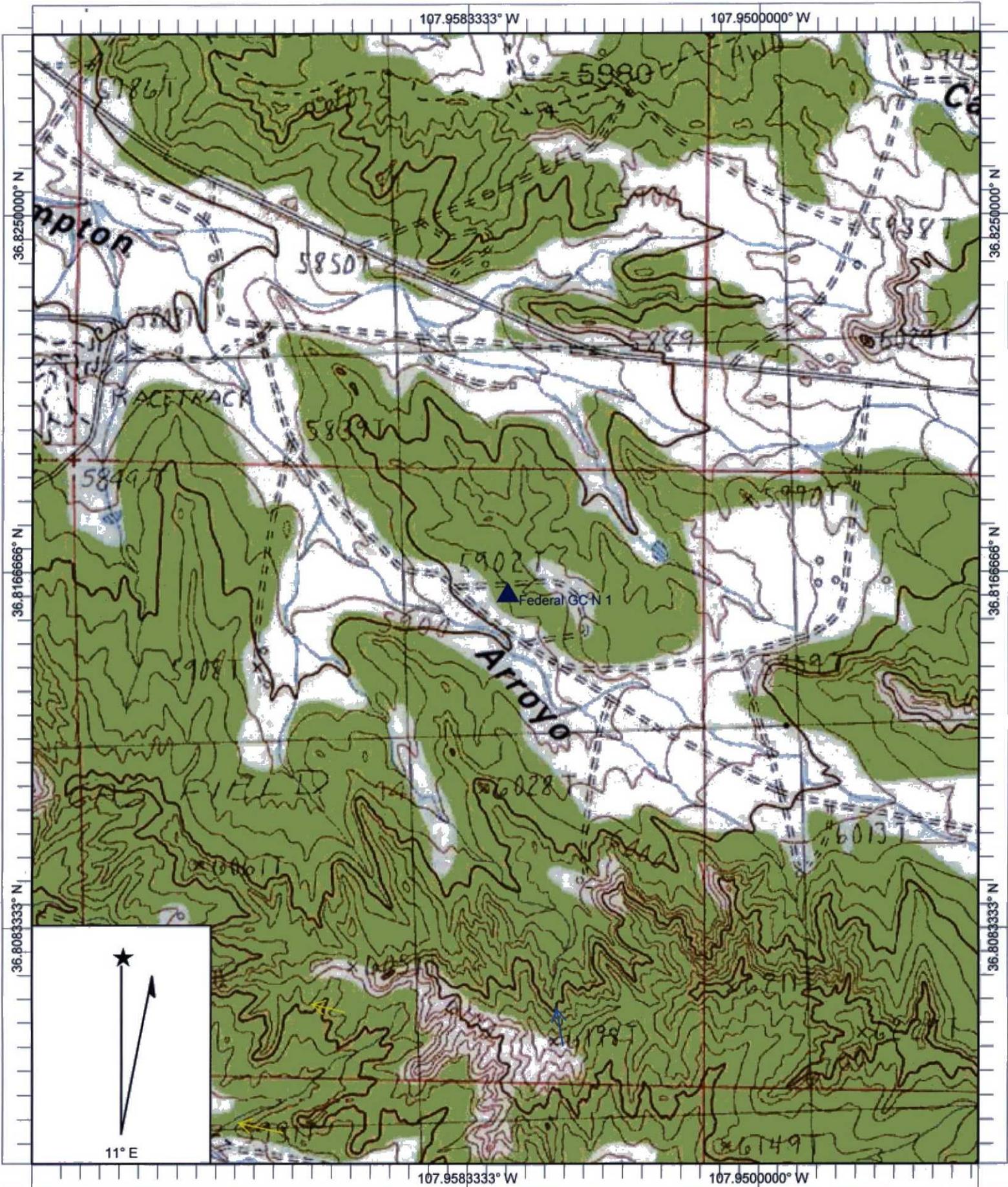
A

2-inch Fiberglass Load Line

Test Hole A
@ Source
of Pipe Leak
@ Fiberglass Connection
OVM @ 7' = 3,215 ppm
OVM @ 11' = 2,005 ppm
OVM @ 14' = 1.0 ppm

Estimated Site Closure Standard:
Depth to Water = 50' - 100' (10 Points)
Distance to Wash = 330' (10 Points)
Distance to Water Well > 1,000' (0 Points)
NMOCD/BLM Standard = 100 ppm TPH





Name: AZTEC
 Date: 10/5/2016
 Scale: 1 inch equals 1000 feet

Caption: BP - Federal GC N 1
 36.81619 x 107.95715



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

October 06, 2016

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

RE: Federal GC N1

OrderNo.: 1610154

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 3 sample(s) on 10/5/2016 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 www.hallenvironmental.com 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 qualifiers 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1610154

Date Reported: 10/6/2016

CLIENT: Blagg Engineering

Client Sample ID: TH-A @ 14'

Project: Federal GC N1

Collection Date: 10/4/2016 2:30:00 PM

Lab ID: 1610154-002

Matrix: SOIL

Received Date: 10/5/2016 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	10/5/2016 11:20:31 AM	27916
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/5/2016 10:29:24 AM	27893
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/5/2016 10:29:24 AM	27893
Surr: DNOP	93.0	70-130		%Rec	1	10/5/2016 10:29:24 AM	27893
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	10/5/2016 10:33:22 AM	27885
Surr: BFB	102	68.3-144		%Rec	1	10/5/2016 10:33:22 AM	27885
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	10/5/2016 10:33:22 AM	27885
Toluene	ND	0.038		mg/Kg	1	10/5/2016 10:33:22 AM	27885
Ethylbenzene	ND	0.038		mg/Kg	1	10/5/2016 10:33:22 AM	27885
Xylenes, Total	ND	0.076		mg/Kg	1	10/5/2016 10:33:22 AM	27885
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	10/5/2016 10:33:22 AM	27885

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
	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1610154

06-Oct-16

Client: Blagg Engineering

Project: Federal GC N1

Sample ID	MB-27916	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	27916	RunNo:	37727					
Prep Date:	10/5/2016	Analysis Date:	10/5/2016	SeqNo:	1175291	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-27916	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	27916	RunNo:	37727					
Prep Date:	10/5/2016	Analysis Date:	10/5/2016	SeqNo:	1175292	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	90	110			

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1610154

06-Oct-16

Client: Blagg Engineering

Project: Federal GC N1

Sample ID	LCS-27893	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	27893	RunNo:	37692					
Prep Date:	10/5/2016	Analysis Date:	10/5/2016	SeqNo:	1173997	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.3	62.6	124			
Surr: DNOP	4.3		5.000		86.1	70	130			

Sample ID	MB-27893	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	27893	RunNo:	37692					
Prep Date:	10/5/2016	Analysis Date:	10/5/2016	SeqNo:	1173998	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	9.7		10.00		97.0	70	130			

Sample ID	LCS-27886	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	27886	RunNo:	37693					
Prep Date:	10/4/2016	Analysis Date:	10/5/2016	SeqNo:	1174187	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		80.5	70	130			

Sample ID	MB-27886	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	27886	RunNo:	37693					
Prep Date:	10/4/2016	Analysis Date:	10/5/2016	SeqNo:	1174188	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.7		10.00		86.8	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
- 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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1610154
 06-Oct-16

Client: Blagg Engineering
Project: Federal GC N1

Sample ID MB-27885	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 27885		RunNo: 37701							
Prep Date: 10/4/2016	Analysis Date: 10/5/2016		SeqNo: 1174827		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	850		1000		84.7	68.3	144			

Sample ID LCS-27885	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 27885		RunNo: 37701							
Prep Date: 10/4/2016	Analysis Date: 10/5/2016		SeqNo: 1174828		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	118	74.6	123			
Surr: BFB	920		1000		92.4	68.3	144			

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1610154
 06-Oct-16

Client: Blagg Engineering
Project: Federal GC N1

Sample ID MB-27885	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 27885	RunNo: 37701								
Prep Date: 10/4/2016	Analysis Date: 10/5/2016	SeqNo: 1174838	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	1.0		1.000		100	80	120			

Sample ID LCS-27885	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 27885	RunNo: 37701								
Prep Date: 10/4/2016	Analysis Date: 10/5/2016	SeqNo: 1174839	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.3	75.2	115			
Toluene	0.97	0.050	1.000	0	97.0	80.7	112			
Ethylbenzene	1.0	0.050	1.000	0	101	78.9	117			
Xylenes, Total	3.0	0.10	3.000	0	99.8	79.2	115			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

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



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: **1610154**

RcptNo: **1**

Received by/date: LM 10/05/16

Logged By: **Anne Thorne** 10/5/2016 7:15:00 AM *Anne Thorne*

Completed By: **Anne Thorne** 10/5/2016 *Anne Thorne*

Reviewed By: AG 10/05/16

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° 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: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good	Yes			

Chain-of-Custody Record

Client: **BP AMERICA**
BLAGG ENGINEERING INC.
 Mailing Address:
 Phone #: **505-320-1183**
 email or Fax#:
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation
 NELAP Other _____
 EDD (Type) _____

Turn-Around Time: **ASAP SAME DAY**
 Standard Rush
 Project Name:
FEDERAL GC N 1
 Project #:
 Project Manager:
J. Blagg
 Sampler: **J. Blagg**
 On Ice: Yes No
 Sample Temperature: **2.3**



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Atmospheric Container Type and #	Preservative Type	HEAL No.
3/4/2016	0940	SOIL	TH-A @ 11'	4oz x1	COOL	11210154
"	1430	"	TH-A @ 14'	"	"	11210154
"	1454	"	TH-A @ 7'	"	"	11210154

Analysis Request												
BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	CHLORIDE	Air Bubbles (Y or N)
X	X	X									X	
X	X	X									X	
X	X	X									X	

Date: 10/4/2016 Time: 1536 Relinquished by: *J. Blagg*
 Received by: *Christine Walker* Date: 10/4/2016 Time: 1536
 Date: 10/4/16 Time: 1924 Relinquished by: *Christine Walker*
 Received by: *[Signature]* Date: 10/05/16 Time: 0715

Remarks: **BILL BP**
CONTACT: STEVE MOSKAL
VID: VHXONEVRM

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 noted on the analytical report.