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	Contact: Steve Moskal
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9497
Facility Name: Northeast Blanco Unit 037	Facility Type: Natural gas well

Surface Owner: Federal (BLM)	Mineral Owner: Federal	API No. 3004513344

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: San Juan
B	6	30N	07W	420	North	1990	East	

Latitude 36.84784° **Longitude** -107.60995°

NATURE OF RELEASE

Type of Release: unknown hydrocarbons	Volume of Release: unknown	Volume Recovered: none
Source of Release: Historical impacts, possible former earthen pit	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: November 8, 2017
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

OIL CONS. DIV DIST. 3
NOV 22 2017

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* During BGT closure activities, impacts were identified beneath the 95 bbl tank. Lab analyisi confirms the impacts are above the BGT closure standards and spill and release guidelines with a site ranking or 10.

Describe Area Affected and Cleanup Action Taken.* The area has not been fully delineated and will be delineated via excavation at a later date. Attached is a preliminary field report and lab analysis.

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: 11/27/17	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval: Include 8015, 8021 MRO Sample Area for Notify 24 hour notice prior to Sampling NVF1731752853	Attached ☐
Date: November 22, 2017 Phone: 505-326-9497		

* Attach Additional Sheets If Necessary

21

CLIENT: BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

API #: 30045 13344
TANK ID (if applicble): A & B

FIELD REPORT:

(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:

PAGE #: 1 of

SITE INFORMATION:

SITE NAME: NEBU #37

DATE STARTED: 11/07/17
DATE FINISHED:

QUAD/UNIT: B SEC: 6 TWP: 30 N RNG: 7 W PM: NM CNTY: SJ ST: NM

1/4 -1/4/FOOTAGE: 420'N/1,900'E NW/NE LEASE TYPE: (FEDERAL) STATE / FEE / INDIAN

LEASE #: SF 079042 PROD. FORMATION: MV CONTRACTOR: STRIKE BP- J. GONZALES

ENVIRONMENTAL SPECIALIST(S): (NJV) JCB

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.: 36.847855 X 107.609869 GL ELEV.: 6,165'

1) 35 BGT (DW/DB) - A GPS COORD.: 36.847837 X 107.610081 DISTANCE/BEARING FROM W.H.: 63', 584W

2) 95 BGT (DW/DB) - B GPS COORD.: 36.847616 X 107.609684 DISTANCE/BEARING FROM W.H.: 107.5', 532E

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

	SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:	OVM READING (ppm)
1)	5PC-TB @ 4' (35)	11/07/17	1315	8015B/8021B/300.0 (Cl)	0.0
2)	5PC-TB @ 4' (95)	"	1345	" / " / "	2.3
3)	1 @ 4' (95)	"	1350	" / " / "	2.7
4)	1 @ 8' (95)	"	1405	" / " / "	392
5)					

SOIL DESCRIPTION:

SOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER

SOIL COLOR: MOSTLY MODERATE BROWN

COHESION (ALL OTHERS): NON COHESIVE / (SLIGHTLY COHESIVE) COHESIVE / HIGHLY COHESIVE

CONSISTENCY (NON COHESIVE SOILS): (LOOSE) FIRM / DENSE / VERY DENSE

MOISTURE: DRY / (SLIGHTLY MOIST) MOIST / WET / SATURATED / SUPER SATURATED

SAMPLE TYPE: (GRAB) COMPOSITE # OF PTS. 5

DISCOLORATION/STAINING OBSERVED: (YES) NO EXPLANATION - GRAYISH BLACK TO LIGHT MEDIUM GRAY (95 BGT ONLY).

PLASTICITY (CLAYS): NON PLASTIC / (SLIGHTLY PLASTIC) / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / (FIRM) / STIFF / VERY STIFF / HARD

HC ODOR DETECTED: (YES) NO EXPLANATION - DISCOLORED SOILS @ 95 BGT ONLY.

ANY AREAS DISPLAYING WETNESS: YES / (NO) EXPLANATION -

SITE OBSERVATIONS:

LOST INTEGRITY OF EQUIPMENT: YES / NO EXPLANATION - POSSIBLY BENEATH 95 BGT.

APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: (YES) NO EXPLANATION: AT 95 BGT ONLY (DISCOLORED SOILS & HC ODOR).

EQUIPMENT SET OVER RECLAIMED AREA: (YES) NO EXPLANATION - 105 BBL UPT TO BE SET ATOP 35 BGT LOCATION.

OTHER: NMOCD OR BLM REPS. NOT PRESENT TO WITNESS SAMPLING.

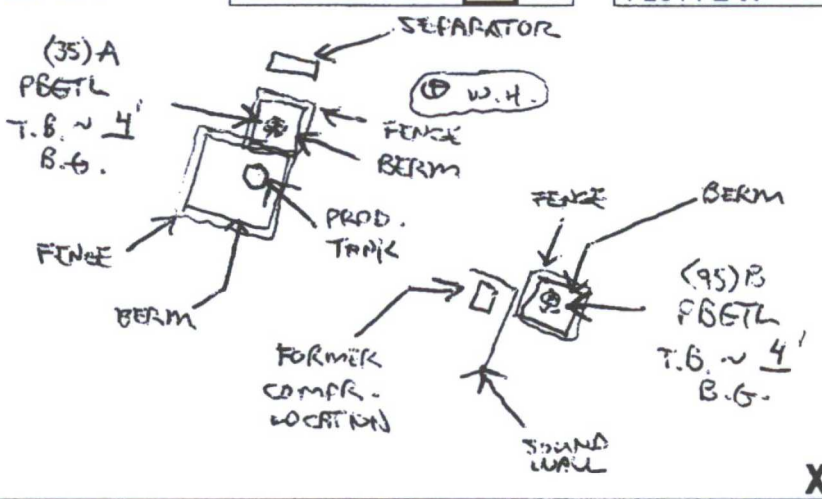
EXCAVATION DIMENSION ESTIMATION: ____ ft. X ____ ft. X ____ ft. EXCAVATION ESTIMATION (Cubic Yards): ____

DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: <1,000' NMOCD TPH CLOSURE STD: 1,000 ppm

SITE SKETCH

BGT Located: off / (on) site

PLOT PLAN circle: attached



OVM CALIB. READ. = 100.0 ppm RF = 1.00
OVM CALIB. GAS = 100 ppm
TIME: 2:10 am/(pm) DATE: 11/07/17

MISCELL. NOTES

WO:
REF #: P-902
VID: VHIXONEV11
PJ #:
Permit date(s): 10/04/17
OCD Appr. date(s): 10/06/17

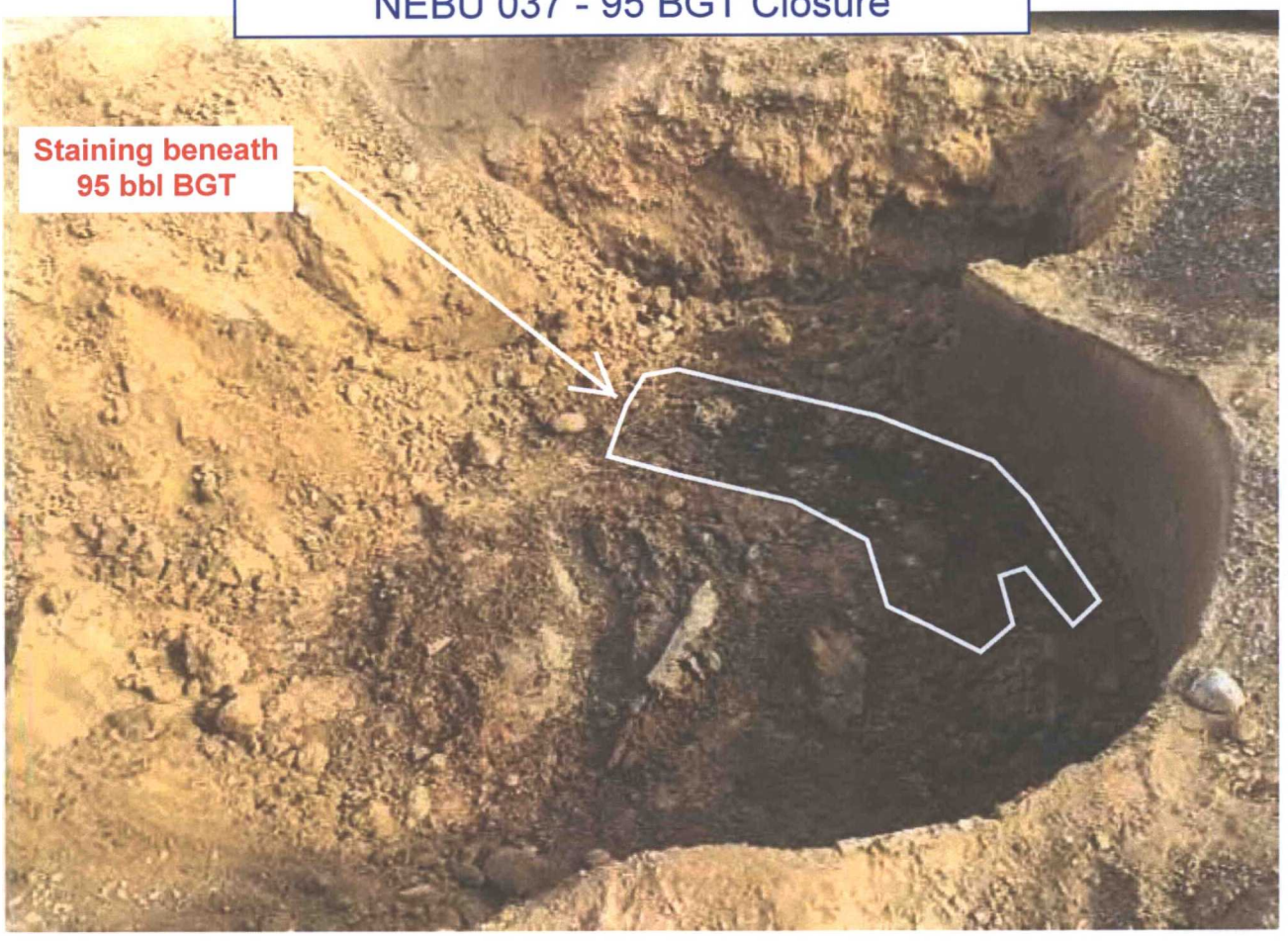
Tank ID	OVM = Organic Vapor Meter ppm = parts per million
A	BGT Sidewalls Visible: Y / (N)
B	BGT Sidewalls Visible: Y / (N)
	BGT Sidewalls Visible: Y / N

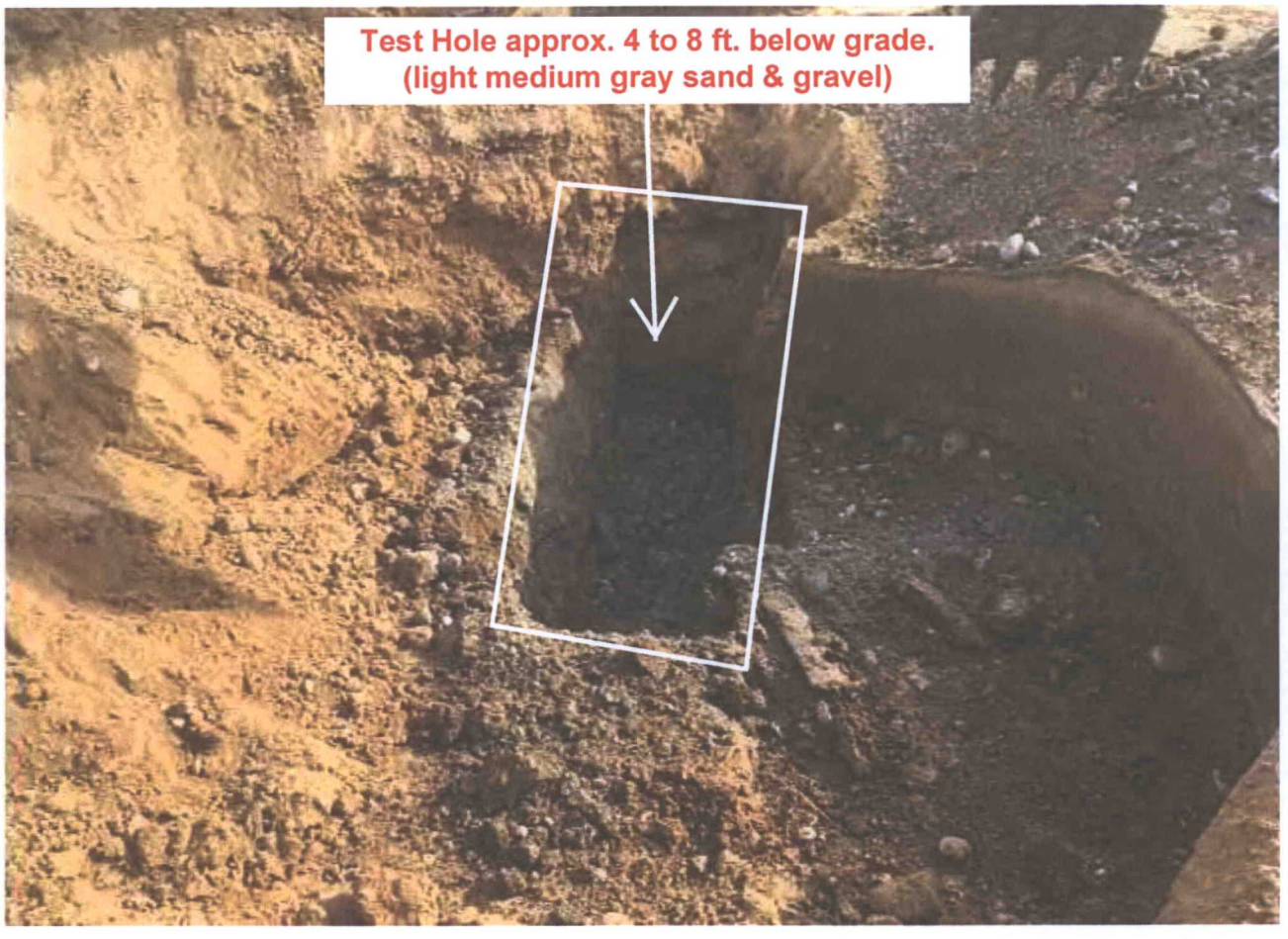
Magnetic declination: 10° E

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: GOOGLE EARTH IMAGERY DATE: 3/15/2015 . ONSITE: 11/07/17

NEBU 037 - 95 BGT Closure





HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

November 09, 2017

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

RE: NEBU #37 OrderNo.: 1711381

Dear Nelson Velez:

Hall Environmental Analysis Laboratory received 2 sample(s) on 11/8/2017 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1711381**
Date Reported: **11/9/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: NEBU #37
Lab ID: 1711381-001 **Matrix:** SOIL

Client Sample ID: 1 @ 4' (95)
Collection Date: 11/7/2017 1:50:00 PM
Received Date: 11/8/2017 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	11/8/2017 12:44:11 PM	34889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	620	96		mg/Kg	10	11/8/2017 11:00:16 AM	34882
Motor Oil Range Organics (MRO)	3200	480		mg/Kg	10	11/8/2017 11:00:16 AM	34882
Surr: DNOP	0	70-130	S	%Rec	10	11/8/2017 11:00:16 AM	34882
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	11/8/2017 10:02:03 AM	34869
Surr: BFB	110	15-316		%Rec	5	11/8/2017 10:02:03 AM	34869
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.096		mg/Kg	5	11/8/2017 10:02:03 AM	34869
Toluene	ND	0.19		mg/Kg	5	11/8/2017 10:02:03 AM	34869
Ethylbenzene	ND	0.19		mg/Kg	5	11/8/2017 10:02:03 AM	34869
Xylenes, Total	ND	0.38		mg/Kg	5	11/8/2017 10:02:03 AM	34869
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	5	11/8/2017 10:02:03 AM	34869

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 Quanitative 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.

CLIENT: Blagg Engineering
Project: NEBU #37
Lab ID: 1711381-002 **Matrix:** SOIL

Client Sample ID: 1 @ 8' (95)
Collection Date: 11/7/2017 2:05:00 PM
Received Date: 11/8/2017 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	11/8/2017 12:56:35 PM	34889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	8100	930		mg/Kg	100	11/8/2017 12:39:29 PM	34882
Motor Oil Range Organics (MRO)	13000	4600		mg/Kg	100	11/8/2017 12:39:29 PM	34882
Surr: DNOP	0	70-130	S	%Rec	100	11/8/2017 12:39:29 PM	34882
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	240	22		mg/Kg	5	11/8/2017 10:25:51 AM	34869
Surr: BFB	418	15-316	S	%Rec	5	11/8/2017 10:25:51 AM	34869
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.11		mg/Kg	5	11/8/2017 10:25:51 AM	34869
Toluene	ND	0.22		mg/Kg	5	11/8/2017 10:25:51 AM	34869
Ethylbenzene	0.37	0.22		mg/Kg	5	11/8/2017 10:25:51 AM	34869
Xylenes, Total	8.1	0.44		mg/Kg	5	11/8/2017 10:25:51 AM	34869
Surr: 4-Bromofluorobenzene	134	80-120	S	%Rec	5	11/8/2017 10:25:51 AM	34869

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 Quanitative 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#: **1711381**

09-Nov-17

Client: Blagg Engineering
Project: NEBU #37

Sample ID	**MB-34889**	SampType:	**mblk**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**34889**		RunNo:	**46970**				
Prep Date:	**11/8/2017**	Analysis Date:	**11/8/2017**		SeqNo:	**1499332**	Units:	**mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-34889**	SampType:	**lcs**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**34889**		RunNo:	**46970**				
Prep Date:	**11/8/2017**	Analysis Date:	**11/8/2017**		SeqNo:	**1499333**	Units:	**mg/Kg**		

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	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 Quanitative 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#: **1711381**

09-Nov-17

Client: Blagg Engineering

Project: NEBU #37

Sample ID **LCS-34882**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **34882**	RunNo: **46959**
Prep Date: **11/8/2017**	Analysis Date: **11/8/2017**	SeqNo: **1498202** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.4	73.2	114			
Surr: DNOP	4.0		5.000		79.8	70	130			

Sample ID **MB-34882**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **34882**	RunNo: **46959**
Prep Date: **11/8/2017**	Analysis Date: **11/8/2017**	SeqNo: **1498203** 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	8.5		10.00		84.9	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 Quanitative 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#: **1711381**

09-Nov-17

Client: Blagg Engineering

Project: NEBU #37

Sample ID **MB-34869**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **34869**	RunNo: **46964**
Prep Date: **11/7/2017**	Analysis Date: **11/8/2017**	SeqNo: **1499080** 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	1100		1000		108	15	316			

Sample ID **LCS-34869**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **34869**	RunNo: **46964**
Prep Date: **11/7/2017**	Analysis Date: **11/8/2017**	SeqNo: **1499081** 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	115	75.9	131			
Surr: BFB	1200		1000		117	15	316			

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 Quanitative 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#: **1711381**

09-Nov-17

Client: Blagg Engineering

Project: NEBU #37

Sample ID **MB-34869**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **34869**	RunNo: **46964**
Prep Date: **11/7/2017**	Analysis Date: **11/8/2017**	SeqNo: **1499090** 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		107	80	120			

Sample ID **LCS-34869**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **34869**	RunNo: **46964**
Prep Date: **11/7/2017**	Analysis Date: **11/8/2017**	SeqNo: **1499091** 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	104	77.3	128			
Toluene	1.1	0.050	1.000	0	106	79.2	125			
Ethylbenzene	1.1	0.050	1.000	0	105	80.7	127			
Xylenes, Total	3.1	0.10	3.000	0	104	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			

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 Quanitative 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

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: 1711381 | RcptNo: 1

Received By: Anne Thorne 11/8/2017 7:00:00 AM

Completed By: Anne Thorne 11/8/2017 7:18:52 AM

Reviewed By: 11/8/17

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° 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	1.4	Good	Yes			

Chain-of-Custody Record

Client: BLAGG ENGR. / BP AMERICA

Mailing Address: P.O. BOX 87
BLOOMFIELD, NM 87413

Phone #: (505) 632-1199

email or Fax#:

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush SAME DAY

Project Name: NEBU # 37

Project #:

Project Manager: NELSON VELEZ

Sampler: NELSON VELEZ

On Ice: ☑ Yes ☐ No

Sample Temperature: 2.4 -0.6+0= 1.4

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + ~~MTBE~~ + TMB's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0 / water - 300.1)		Grab sample	# pt. composite sample	Air Bubbles (Y or N)
11/7/17	1350	SOIL	① @ 4' (95)	4oz-1	Cool	001	✓		✓									✓		✓		
11/7/17	1405	SOIL	① @ 8' (95)	4oz-1	Cool	002	✓		✓									✓		✓		

Date	Time	Relinquished by:	Received by:	Date	Time
11/7/17	1547				1547
11/7/17	1810			11/08/17	0700

Remarks: BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING VID & REFERENCE # WHEN APPLICABLE;
CONTACT: ERIN GARIFALOS / VANCE HIXON
VID: VHIXONEVRM
Reference # P - 902

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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

November 09, 2017

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

RE: NEBU #37 OrderNo.: 1711382

Dear Nelson Velez:

Hall Environmental Analysis Laboratory received 2 sample(s) on 11/8/2017 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1711382**
Date Reported: **11/9/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: NEBU #37
Lab ID: 1711382-001 **Matrix:** SOIL

Client Sample ID: 5PC-TB @ 4' (35)
Collection Date: 11/7/2017 1:15:00 PM
Received Date: 11/8/2017 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	11/8/2017 1:09:00 PM	34889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/8/2017 9:54:26 AM	34882
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/8/2017 9:54:26 AM	34882
Surr: DNOP	85.9	70-130		%Rec	1	11/8/2017 9:54:26 AM	34882
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	11/8/2017 11:13:27 AM	34869
Surr: BFB	109	15-316		%Rec	1	11/8/2017 11:13:27 AM	34869
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.022		mg/Kg	1	11/8/2017 11:13:27 AM	34869
Toluene	ND	0.043		mg/Kg	1	11/8/2017 11:13:27 AM	34869
Ethylbenzene	ND	0.043		mg/Kg	1	11/8/2017 11:13:27 AM	34869
Xylenes, Total	ND	0.086		mg/Kg	1	11/8/2017 11:13:27 AM	34869
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	11/8/2017 11:13:27 AM	34869

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 Quanitative 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 **1711382**
Date Reported: **11/9/2017**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: NEBU #37
Lab ID: 1711382-002 **Matrix:** SOIL

Client Sample ID: 5PC-TB @ 4' (95)
Collection Date: 11/7/2017 1:45:00 PM
Received Date: 11/8/2017 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	11/8/2017 1:21:25 PM	34889
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **TOM**	
Diesel Range Organics (DRO)	150	97		mg/Kg	10	11/8/2017 10:16:20 AM	34882
Motor Oil Range Organics (MRO)	1200	480		mg/Kg	10	11/8/2017 10:16:20 AM	34882
Surr: DNOP	0	70-130	S	%Rec	10	11/8/2017 10:16:20 AM	34882
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	11/8/2017 11:37:24 AM	34869
Surr: BFB	105	15-316		%Rec	1	11/8/2017 11:37:24 AM	34869
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.022		mg/Kg	1	11/8/2017 11:37:24 AM	34869
Toluene	ND	0.044		mg/Kg	1	11/8/2017 11:37:24 AM	34869
Ethylbenzene	ND	0.044		mg/Kg	1	11/8/2017 11:37:24 AM	34869
Xylenes, Total	ND	0.088		mg/Kg	1	11/8/2017 11:37:24 AM	34869
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	11/8/2017 11:37:24 AM	34869

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 Quanitative 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#: **1711382**

09-Nov-17

Client: Blagg Engineering
Project: NEBU #37

Sample ID	**MB-34889**	SampType:	**mblk**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**PBS**	Batch ID:	**34889**		RunNo:	**46970**				
Prep Date:	**11/8/2017**	Analysis Date:	**11/8/2017**		SeqNo:	**1499332**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	**LCS-34889**	SampType:	**lcs**		TestCode:	**EPA Method 300.0: Anions**				
Client ID:	**LCSS**	Batch ID:	**34889**		RunNo:	**46970**				
Prep Date:	**11/8/2017**	Analysis Date:	**11/8/2017**		SeqNo:	**1499333**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	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 Quanitative 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#: **1711382**

09-Nov-17

Client: Blagg Engineering
Project: NEBU #37

Sample ID **LCS-34882**	SampType: **LCS**			TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID: **LCSS**	Batch ID: **34882**			RunNo: **46959**					
Prep Date: **11/8/2017**	Analysis Date: **11/8/2017**			SeqNo: **1498202**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.4	73.2	114			
Surr: DNOP	4.0		5.000		79.8	70	130			

Sample ID **MB-34882**	SampType: **MBLK**			TestCode: **EPA Method 8015M/D: Diesel Range Organics**					
Client ID: **PBS**	Batch ID: **34882**			RunNo: **46959**					
Prep Date: **11/8/2017**	Analysis Date: **11/8/2017**			SeqNo: **1498203**		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	8.5		10.00		84.9	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 Quanitative 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#: **1711382**

09-Nov-17

Client: Blagg Engineering
Project: NEBU #37

Sample ID **MB-34869**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **34869**	RunNo: **46964**
Prep Date: **11/7/2017**	Analysis Date: **11/8/2017**	SeqNo: **1499080** 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	1100		1000		108	15	316			

Sample ID **LCS-34869**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **34869**	RunNo: **46964**
Prep Date: **11/7/2017**	Analysis Date: **11/8/2017**	SeqNo: **1499081** 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	115	75.9	131			
Surr: BFB	1200		1000		117	15	316			

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 Quanitative 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#: **1711382**

09-Nov-17

Client: Blagg Engineering
Project: NEBU #37

Sample ID **MB-34869**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **34869**	RunNo: **46964**
Prep Date: **11/7/2017**	Analysis Date: **11/8/2017**	SeqNo: **1499090** 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		107	80	120			

Sample ID **LCS-34869**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **34869**	RunNo: **46964**
Prep Date: **11/7/2017**	Analysis Date: **11/8/2017**	SeqNo: **1499091** 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	104	77.3	128			
Toluene	1.1	0.050	1.000	0	106	79.2	125			
Ethylbenzene	1.1	0.050	1.000	0	105	80.7	127			
Xylenes, Total	3.1	0.10	3.000	0	104	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			

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 Quanitative 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

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: 1711382 | RcptNo: 1

Received By: Anne Thorne 11/8/2017 7:00:00 AM

Completed By: Anne Thorne 11/8/2017 7:22:49 AM

Reviewed By: 11/8/17

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° 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	1.4	Good	Yes			

Chain-of-Custody Record

Client: BLAGG ENGR. / BP AMERICA

Mailing Address: P.O. BOX 87
BLOOMFIELD, NM 87413

Phone #: (505) 632-1199

email or Fax#:

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush SAME DAY

Project Name: NEBU # 37

Project #:

Project Manager: NELSON VELEZ

Sampler: NELSON VELEZ NV

On Ice: ☑ Yes ☐ No

Sample Temperature: 2.4-0.6-1.0 °C

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and # (KT 11/08/17 meoH kit)	Preservative Type	HEAL No. (1711382)	BTEX + MTBE + TMB's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH (8310 or 8270SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Chloride (soil - 300.0 / water - 300.1)		Grab sample	5 pt. composite sample	Air Bubbles (Y or N)
11/7/17	1315	SOIL	5PC-TB @ 4' (35)	4 oz. - 1	Cool	-001	✓		✓									✓			✓	
11/7/17	1345	SOIL	5PC-TB @ 4' (95)	4oz-1	Cool	-002	✓		✓									✓			✓	

Date	Time	Relinquished by	Received by	Date	Time
11/7/17	1547				1547
11/7/17	1810			11/08/17	0700

Remarks: BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING VID & REFERENCE # WHEN APPLICABLE:
CONTACT: ERIN GARIFALOS / VANCE HIXON
VID: VHIXONEV11
Reference # P - 902

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