

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

JUL 08 2016

Form C-141
Revised August 8, 2011

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

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

Release Notification and Corrective Action

OPERATOR

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: Gallegos Canyon Unit 242E	Facility Type: Natural gas well

Surface Owner: Federal	Mineral Owner: Federal	API No. 3004523901
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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: San Juan
K	24	28N	12W	1,600	South	1,455	West	

Latitude 36.64497° Longitude -108.06758°

NATURE OF RELEASE

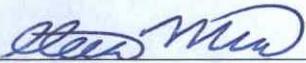
Type of Release: Natural Gas Condensate and other production fluids	Volume of Release: Unknown	Volume Recovered: none
Source of Release: Failed sidewall of BGT	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: May 1, 2014, 11:50AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	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.* Closure sampling on 5/1/14 of a below grade tank (BGT) indicated a release had occurred. On April 14, 2016 remediation of the site began. It was determined that the release was not likely due to the BGT, but likely a former earthen pit that had gone unrecorded. The hydrocarbon impacts were excavated and transported off site for landfarm treatment.

Describe Area Affected and Cleanup Action Taken.* The former earthen pit impacts were fully delineated and excavated. A total of 6,327 cubic yards of soil was excavated and transported off site for landfarm treatment. Confirmation laboratory samples were collected from each excavation section and witnessed by the regulatory agencies. A field report, site diagram and laboratory results are attached.

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: <u>7/26/2016</u>	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: June 30, 2016	Phone: 505-326-9497	

* Attach Additional Sheets If Necessary

NJK1516255463

BP America
GCU 242E
(K) Sec 24 – T28N – R12W
San Juan County, New Mexico
API: 30-045-23901

Summary Record of Impact Remediation

May 1, 2014 Impacts discovered during closure of a 95 barrel below grade tank (BGT). Composite sample of soils immediately below tank (5' below surface grade) tested total petroleum hydrocarbons (TPH) by U.S. EPA Method 8015 at 500 mg/Kg (diesel range organics) and 70 mg/Kg (gasoline range organics). TPH by U.S EPA Method 418.1 tested at 900 mg/Kg. The BGT appeared to have good integrity and the original source of impacts was identified as historical (i.e., discharges to unlined pits, a practice approved by all regulatory agencies at the time the well was drilled in 1980).

Site NMOCD/BLM closure standard determined at 100 ppm TPH based on:

Horizontal Distance to Dry Wash > 1,000 feet (0 points)
Nearest Water Well > 1,000 feet (0 points)
Depth to Groundwater < 50 feet (20 points)

April 14, 2016 Begin site remediation via excavation with trackhoe.

April 15, 2016 Conduct initial closure sampling on the south center and exposed base of the current excavation. These samples pass on TPH, Benzene, Total BTEX and Chloride.

April 19, 2016 Conduct closure sampling on the west center exposed base of the current excavation. All samples pass on TPH, Benzene, Total BTEX and Chloride.

April 21, 2016 Sample impacts from a hydro-vac hole (labeled HV-3) advanced at a location west of the remedial excavation, adjacent to the paved access road. Lab TPH tested at 65 mg/Kg.

April 22, 2016 Conduct closure sampling on the south sidewall, east side and exposed base of the current excavation. All samples pass on TPH, Benzene, Total BTEX and Chloride.

April 26, 2016 Conduct closure sampling on the east sidewall and exposed base of the current excavation. All samples pass on TPH, Benzene, Total BTEX and Chloride.

April 27, 2016 Conduct closure sampling on the north sidewall and exposed base of the current excavation. All samples pass on TPH, Benzene, Total BTEX and Chloride.

April 28, 2016 Conduct closure sampling on the north sidewall (west end) and exposed base of the current excavation. All samples pass on TPH, Benzene, Total BTEX and Chloride.

April 29, 2016 Conduct closure sampling on the west sidewall (north end). All samples pass on TPH, Benzene, Total BTEX and Chloride.

May 2, 2016 Conduct closure sampling on the southwest wall and exposed base of the current excavation. All samples pass on TPH, Benzene, Total BTEX and Chloride.

May 3, 2016 Conduct closure sampling on the west sidewall (south end) and exposed base of the current excavation. All samples pass on TPH, Benzene, Total BTEX and Chloride.

May 4, 2016 Based on cumulative lab test results, regulatory agencies (BLM, NMOCD and NNEPA) approve final closure and backfilling of remedial excavation. Final excavation size approximately 140' x 95' x 18' average depth.

May 6, 2016 Complete backfilling operations. Total volume transported to Envirotech Landfarm = 6,327 cubic yards (Form C-138 Attached).

4/28/16- North Wall - West End Extension
6-pt Comp.(8'-18') OVM = 13.7 ppm
TPH = ND

4/27/16- North Base - West End
5-pt Comp. OVM = 238 ppm
TPH = Non-Detect

4/27/16- North Wall - Center West
4-pt Comp. OVM = 3.7 ppm
TPH = Non-Detect

4/27/16- North Wall - East End
5-pt Comp. OVM = 2.3 ppm
TPH = Non-Detect

4/28/16- North Base - West End Extension
5-pt Comp @ 20' OVM = 1,977 ppm
TPH = 7.4 ppm

4/27/16- North Base - East End
5-pt Comp. OVM = 9.1 ppm
TPH = Non Detect

4/29/16- West Wall: 9-pt Comp.
OVM = 2,145 ppm
TPH = 6.7 ppm

4/22/16- Mid North Base 5-pt Comp.
OVM = 283 ppm
TPH = Non-Detect (<13.3 ppm)

5/2/16- SW Corner Base - West Side
4-pt Comp. OVM = 445 ppm
TPH = 5.3 ppm

4/26/16- Extended East Base
5-pt Comp. OVM = 1.3 ppm
TPH = Non-Detect (<14.8 ppm)

5/2/16- SW Corner Base - East Side
4-pt Comp. OVM = 59.7 ppm
TPH = Non-Detect

4/26/16- East SideWall
6-pt Comp. OVM = 1.6 ppm
TPH = Non-Detect (<14.5 ppm)

5/3/16- West Wall - South End
9-pt Comp. OVM = 2,421 ppm
TPH = 10 ppm

4/22/16- East Base 5-pt Comp.
OVM = 631 ppm
TPH = 9.3 ppm

5/3/16- Southwest Base
3-pt Comp. OVM = 235 ppm
TPH = Non Detect

4/22/16- East Side South Wall
5-pt Comp. OVM = 362 ppm
TPH = Non-Detect (<13.3 ppm)

5/2/16- SW Wall - East End
6-pt Comp. OVM = 640 ppm
TPH = Non-Detect

4/15/16- South Sidewall 5-pt Comp.
OVM = NA
TPH = 58 ppm

4/15/16- Excavation Base 6-pt Comp.
OVM = 234 ppm
TPH = ND

5/2/16- SW Wall - West End
6-pt Comp. OVM = 1,064 ppm
TPH = 14 ppm

4/19/16- NW Base 5-pt Comp.
OVM = 787 ppm
TPH = 7.2 ppm

4/21/16: HV-3 @ 16'
OVM = 1,584 ppm
TPH = 65 ppm

GCU 242E

100 ft





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

April 19, 2016

Nelson Velez
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL:
FAX

RE: GCU #242E

OrderNo.: 1604704

Dear Nelson Velez:

Hall Environmental Analysis Laboratory received 5 sample(s) on 4/16/2016 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.

CLIENT: Blagg Engineering

Client Sample ID: 6PC - EB @ 12' - 17'

Project: GCU #242E

Collection Date: 4/15/2016 2:20:00 PM

Lab ID: 1604704-004

Matrix: MEOH (SOIL)

Received Date: 4/16/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	4/18/2016 11:42:02 AM	24860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/18/2016 11:44:39 AM	24823
Surr: DNOP	86.1	70-130		%Rec	1	4/18/2016 11:44:39 AM	24823
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg	1	4/18/2016 11:05:30 AM	24836
Surr: BFB	95.8	80-120		%Rec	1	4/18/2016 11:05:30 AM	24836
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.036	0.027		mg/Kg	1	4/18/2016 11:05:30 AM	24836
Toluene	ND	0.054		mg/Kg	1	4/18/2016 11:05:30 AM	24836
Ethylbenzene	ND	0.054		mg/Kg	1	4/18/2016 11:05:30 AM	24836
Xylenes, Total	ND	0.11		mg/Kg	1	4/18/2016 11:05:30 AM	24836
Surr: 4-Bromofluorobenzene	97.2	80-120		%Rec	1	4/18/2016 11:05:30 AM	24836

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5PC - SSW @ 10' - 13'

Project: GCU #242E

Collection Date: 4/15/2016 2:35:00 PM

Lab ID: 1604704-005

Matrix: MEOH (SOIL)

Received Date: 4/16/2016 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	4/18/2016 11:54:26 AM	24860
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	12	9.3		mg/Kg	1	4/18/2016 12:06:13 PM	24823
Surr: DNOP	87.4	70-130		%Rec	1	4/18/2016 12:06:13 PM	24823
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	46	19		mg/Kg	5	4/18/2016 11:28:56 AM	24836
Surr: BFB	118	80-120		%Rec	5	4/18/2016 11:28:56 AM	24836
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.095		mg/Kg	5	4/18/2016 11:28:56 AM	24836
Toluene	0.57	0.19		mg/Kg	5	4/18/2016 11:28:56 AM	24836
Ethylbenzene	0.22	0.19		mg/Kg	5	4/18/2016 11:28:56 AM	24836
Xylenes, Total	2.1	0.38		mg/Kg	5	4/18/2016 11:28:56 AM	24836
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	5	4/18/2016 11:28:56 AM	24836

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#: 1604704

19-Apr-16

Client: Blagg Engineering

Project: GCU #242E

Sample ID	MB-24860	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	24860	RunNo:	33628					
Prep Date:	4/18/2016	Analysis Date:	4/18/2016	SeqNo:	1035209	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-24860	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	24860	RunNo:	33628					
Prep Date:	4/18/2016	Analysis Date:	4/18/2016	SeqNo:	1035210	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	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#: 1604704

19-Apr-16

Client: Blagg Engineering
Project: GCU #242E

Sample ID	LCS-24787		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	24787		RunNo:	33593				
Prep Date:	4/13/2016		Analysis Date:	4/18/2016		SeqNo:	1033599		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	4.3		5.000		86.8	70	130				

Sample ID	LCS-24823		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	24823		RunNo:	33593				
Prep Date:	4/18/2016		Analysis Date:	4/18/2016		SeqNo:	1033600		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	93.6	65.8	136				
Surr: DNOP	4.0		5.000		80.9	70	130				

Sample ID	MB-24787		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	24787		RunNo:	33593				
Prep Date:	4/13/2016		Analysis Date:	4/18/2016		SeqNo:	1033601		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	9.5		10.00		95.1	70	130				

Sample ID	MB-24823		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	24823		RunNo:	33593				
Prep Date:	4/18/2016		Analysis Date:	4/18/2016		SeqNo:	1033602		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Surr: DNOP	8.4		10.00		84.4	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#: 1604704
 19-Apr-16

Client: Blagg Engineering
Project: GCU #242E

Sample ID MB-24836	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 24836		RunNo: 33600							
Prep Date: 4/15/2016	Analysis Date: 4/18/2016		SeqNo: 1033974		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	930		1000		93.4	80	120			

Sample ID LCS-24836	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 24836		RunNo: 33600							
Prep Date: 4/15/2016	Analysis Date: 4/18/2016		SeqNo: 1033975		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.8	80	120			
Surr: BFB	1000		1000		100	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 |
| 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#: 1604704
 19-Apr-16

Client: Blagg Engineering
Project: GCU #242E

Sample ID	MB-24836	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	24836	RunNo:	33600					
Prep Date:	4/15/2016	Analysis Date:	4/18/2016	SeqNo:	1034018	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		96.3	80	120			

Sample ID	LCS-24836	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	24836	RunNo:	33600					
Prep Date:	4/15/2016	Analysis Date:	4/18/2016	SeqNo:	1034019	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.5	75.3	123			
Toluene	0.87	0.050	1.000	0	87.1	80	124			
Ethylbenzene	0.87	0.050	1.000	0	87.4	82.8	121			
Xylenes, Total	2.6	0.10	3.000	0	87.8	83.9	122			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	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 87105
 TEL: 505-345-3975 FAX: 505-345-4107
 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1604704**

RcptNo: **1**

Received by/date:

[Signature]

04/16/16

Logged By: **Lindsay Mangin**

4/16/2016 8:00:00 AM

[Signature]

Completed By: **Lindsay Mangin**

4/16/2016 10:10:11 AM

[Signature]

Reviewed By:

[Signature]

04/16/16

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:	<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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.7	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: **SAME DAY**

Standard Rush

Project Name: **GCU # 242E**

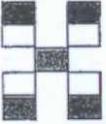
Project #:

Project Manager: **NELSON VELEZ**

Sampler: **NELSON VELEZ** *NV*

On Ice: Yes No

Sample Temperature: *2.7*



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 / HRO)	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)
4/15/16	1325	SOIL	SW @ 9'	4 oz. - 1	Cool	<i>11604-001</i>	✓	✓										✓	✓		
4/15/16	1328	SOIL	SW @ 7'	4 oz. - 1	Cool	<i>-002</i>	✓	✓										✓	✓		
4/15/16	1343	SOIL	SSE @ 12'	4 oz. - 1	Cool	<i>-003</i>	✓	✓										✓	✓		
4/15/16	1420	SOIL	6PC - EB @ 12' - 17'	4 oz. - 1	Cool	<i>-004</i>	✓	✓										✓		6	
4/15/16	1435	SOIL	5PC - SSW @ 10' - 13'	4 oz. - 1	Cool	<i>-005</i>	✓	✓										✓		5	

Date: *4/15/16* Time: *1707* Relinquished by: *[Signature]*

Date: *4/15/16* Time: *1741* Relinquished by: *[Signature]*

Received by: *[Signature]* Date: *4/15/16* Time: *1707*

Received by: *[Signature]* Date: *04/16/16* Time: *0800*

Remarks: **BILL DIRECTLY TO BP USING THE CIRCLED CONTACT WITH CORRESPONDING VID & REFERENCE # WHEN APPLICABLE;**

Vance Hixon **Steve Moskal** John Ritchie

VID: VHIXONEVB2 **V MOS6HQFEC** VRITCJWFEC

Reference # _____

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

April 21, 2016

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

RE: GCU 242E

OrderNo.: 1604846

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/20/2016 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.

CLIENT: Blagg Engineering

Client Sample ID: NW Base 5-pt @ 17'

Project: GCU 242E

Collection Date: 4/19/2016 1:28:00 PM

Lab ID: 1604846-001

Matrix: SOIL

Received Date: 4/20/2016 7:30:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	43	30		mg/Kg	20	4/20/2016 11:05:41 AM	24914
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/20/2016 11:50:58 AM	24895
Surr: DNOP	74.1	70-130		%Rec	1	4/20/2016 11:50:58 AM	24895
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	7.2	4.8		mg/Kg	1	4/20/2016 9:52:27 AM	24879
Surr: BFB	109	80-120		%Rec	1	4/20/2016 9:52:27 AM	24879
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.043	0.024		mg/Kg	1	4/20/2016 9:52:27 AM	24879
Toluene	0.078	0.048		mg/Kg	1	4/20/2016 9:52:27 AM	24879
Ethylbenzene	ND	0.048		mg/Kg	1	4/20/2016 9:52:27 AM	24879
Xylenes, Total	0.24	0.096		mg/Kg	1	4/20/2016 9:52:27 AM	24879
Surr: 4-Bromofluorobenzene	98.4	80-120		%Rec	1	4/20/2016 9:52:27 AM	24879

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#: 1604846

21-Apr-16

Client: Blagg Engineering

Project: GCU 242E

Sample ID	MB-24914	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	24914	RunNo:	33686					
Prep Date:	4/20/2016	Analysis Date:	4/20/2016	SeqNo:	1037587	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-24914	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	24914	RunNo:	33686					
Prep Date:	4/20/2016	Analysis Date:	4/20/2016	SeqNo:	1037588	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	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#: 1604846
 21-Apr-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-24895	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	24895	RunNo:	33652					
Prep Date:	4/20/2016	Analysis Date:	4/20/2016	SeqNo:	1036426	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	7.4		10.00		74.0	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 |
| 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#: 1604846
 21-Apr-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID MB-24879	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 24879		RunNo: 33661							
Prep Date: 4/19/2016	Analysis Date: 4/20/2016		SeqNo: 1037062		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	950		1000		95.1	80	120			

Sample ID LCS-24879	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 24879		RunNo: 33661							
Prep Date: 4/19/2016	Analysis Date: 4/20/2016		SeqNo: 1037063		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.3	80	120			
Surr: BFB	1000		1000		102	80	120			

Sample ID 5ML RB	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: R33661		RunNo: 33661							
Prep Date:	Analysis Date: 4/20/2016		SeqNo: 1037085		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	950		1000		95.2	80	120			

Sample ID 2.5UG GRO LCS	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: R33661		RunNo: 33661							
Prep Date:	Analysis Date: 4/20/2016		SeqNo: 1037086		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		103	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 |
| 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#: 1604846
 21-Apr-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-24879	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	24879	RunNo:	33661					
Prep Date:	4/19/2016	Analysis Date:	4/20/2016	SeqNo:	1037109	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	0.97		1.000		97.1	80	120			

Sample ID	LCS-24879	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	24879	RunNo:	33661					
Prep Date:	4/19/2016	Analysis Date:	4/20/2016	SeqNo:	1037110	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	101	75.3	123			
Toluene	0.94	0.050	1.000	0	93.8	80	124			
Ethylbenzene	0.88	0.050	1.000	0	88.4	82.8	121			
Xylenes, Total	2.6	0.10	3.000	0	87.7	83.9	122			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	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

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1604846**

RcptNo: **1**

Received by/date: AT 04/20/16

Logged By: **Anne Thorne** 4/20/2016 7:30:00 AM *Anne Thorne*

Completed By: **Anne Thorne** 4/20/2016 *Anne Thorne*

Reviewed By: *JM* 04/20/16

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: _____

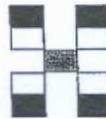
17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Yes			

Chain-of-Custody Record

Turn-Around Time: **ASAP**
 Standard Rush **SAME DAY**
 Project Name: **GCU 242E**
 Project #:



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

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

Project Manager: **J. Blagg**
 Sampler: **J. Blagg**
 On Ice: Yes No
 Sample Temperature: **2.4-4.0-1.4**

Analysis Request												
BTEX + MTBE + THMs (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MBO)	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	

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No
2016	1328	SOIL	NW BASE 5-pt @ 17'	4oz x 1	COOL	1604846

Date: 2016	Time: 1725	Relinquished by: <i>J. Blagg</i>	Received by: <i>Christina Warren</i>	Date: 4/19/16	Time: 1725
Date: 3/14/16	Time: 1849	Relinquished by: <i>Christina Warren</i>	Received by: <i>Christina Warren</i>	Date: 04/20/16	Time: 0730

Remarks: **Bill BP CONTACT: STEVE MOSCAL VID: VMOS6HQFEC**

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.



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

April 26, 2016

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

RE: GCU 242E

OrderNo.: 1604976

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/22/2016 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 1604976
 Date Reported: 4/26/2016

CLIENT: Blagg Engineering **Client Sample ID:** HV-3@16'
Project: GCU 242E **Collection Date:** 4/21/2016 3:42:00 PM
Lab ID: 1604976-001 **Matrix:** MEOH (SOIL) **Received Date:** 4/22/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/22/2016 3:06:25 PM	24946
Surr: DNOP	71.1	70-130		%Rec	1	4/22/2016 3:06:25 PM	24946
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	65	3.5		mg/Kg	1	4/22/2016 1:46:00 PM	24930
Surr: BFB	243	80-120	S	%Rec	1	4/22/2016 1:46:00 PM	24930
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.34	0.017		mg/Kg	1	4/22/2016 1:46:00 PM	24930
Toluene	1.8	0.035		mg/Kg	1	4/22/2016 1:46:00 PM	24930
Ethylbenzene	0.31	0.035		mg/Kg	1	4/22/2016 1:46:00 PM	24930
Xylenes, Total	2.7	0.070		mg/Kg	1	4/22/2016 1:46:00 PM	24930
Surr: 4-Bromofluorobenzene	116	80-120		%Rec	1	4/22/2016 1:46:00 PM	24930

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#: 1604976
 26-Apr-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	LCS-24946	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	24946	RunNo:	33715					
Prep Date:	4/22/2016	Analysis Date:	4/22/2016	SeqNo:	1039133	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.9	65.8	136			
Surr: DNOP	3.6		5.000		72.4	70	130			

Sample ID	MB-24946	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	24946	RunNo:	33715					
Prep Date:	4/22/2016	Analysis Date:	4/22/2016	SeqNo:	1039134	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	7.1		10.00		70.8	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#: 1604976

26-Apr-16

Client: Blagg Engineering

Project: GCU 242E

Sample ID	MB-24930	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	24930	RunNo:	33721					
Prep Date:	4/21/2016	Analysis Date:	4/22/2016	SeqNo:	1038988	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	940		1000		94.3	80	120			

Sample ID	LCS-24930	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	24930	RunNo:	33721					
Prep Date:	4/21/2016	Analysis Date:	4/22/2016	SeqNo:	1038989	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.9	80	120			
Surr: BFB	1000		1000		103	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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1604976
 26-Apr-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-24930	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	24930	RunNo:	33721					
Prep Date:	4/21/2016	Analysis Date:	4/22/2016	SeqNo:	1039000	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		95.8	80	120			

Sample ID	LCS-24930	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	24930	RunNo:	33721					
Prep Date:	4/21/2016	Analysis Date:	4/22/2016	SeqNo:	1039001	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	75.3	123			
Toluene	1.0	0.050	1.000	0	101	80	124			
Ethylbenzene	0.96	0.050	1.000	0	95.5	82.8	121			
Xylenes, Total	2.8	0.10	3.000	0	94.3	83.9	122			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	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 |
| 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 |

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1604976**

RcptNo: **1**

Received by/date: *JA* **04/22/16**
 Logged By: **Joe Archuleta** **4/22/2016 7:45:00 AM** *JA*
 Completed By: **Joe Archuleta** **4/22/2016 8:06:26 AM** *JA*
 Reviewed By: *TO* **04/22/16**

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	1.2	Good	Yes			



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

April 26, 2016

Jeff Blagg
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL:
FAX

RE: GCU 242E

OrderNo.: 1604A30

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 3 sample(s) on 4/23/2016 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 1604A30

Date Reported: 4/26/2016

CLIENT: Blagg Engineering

Client Sample ID: East Side South Wall 5pt 10'-18'

Project: GCU 242E

Collection Date: 4/22/2016 2:15:00 PM

Lab ID: 1604A30-001

Matrix: MEOH (SOIL)

Received Date: 4/23/2016 8:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	4/25/2016 11:38:04 AM	24978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/25/2016 10:25:55 AM	24971
Surr: DNOP	105	70-130		%Rec	1	4/25/2016 10:25:55 AM	24971
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	4/25/2016 9:57:52 AM	24955
Surr: BFB	96.1	80-120		%Rec	1	4/25/2016 9:57:52 AM	24955
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.073	0.020		mg/Kg	1	4/25/2016 9:57:52 AM	24955
Toluene	0.12	0.040		mg/Kg	1	4/25/2016 9:57:52 AM	24955
Ethylbenzene	ND	0.040		mg/Kg	1	4/25/2016 9:57:52 AM	24955
Xylenes, Total	ND	0.081		mg/Kg	1	4/25/2016 9:57:52 AM	24955
Surr: 4-Bromofluorobenzene	98.7	80-120		%Rec	1	4/25/2016 9:57:52 AM	24955

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1604A30

Date Reported: 4/26/2016

CLIENT: Blagg Engineering

Client Sample ID: Mid North Base 5-pt @ 18'

Project: GCU 242E

Collection Date: 4/22/2016 2:26:00 PM

Lab ID: 1604A30-002

Matrix: MEOH (SOIL)

Received Date: 4/23/2016 8:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	46	30		mg/Kg	20	4/25/2016 11:50:29 AM	24978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/25/2016 10:47:48 AM	24971
Surr: DNOP	104	70-130		%Rec	1	4/25/2016 10:47:48 AM	24971
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	4/25/2016 10:21:20 AM	24955
Surr: BFB	97.1	80-120		%Rec	1	4/25/2016 10:21:20 AM	24955
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.078	0.020		mg/Kg	1	4/25/2016 10:21:20 AM	24955
Toluene	0.063	0.040		mg/Kg	1	4/25/2016 10:21:20 AM	24955
Ethylbenzene	ND	0.040		mg/Kg	1	4/25/2016 10:21:20 AM	24955
Xylenes, Total	ND	0.079		mg/Kg	1	4/25/2016 10:21:20 AM	24955
Surr: 4-Bromofluorobenzene	97.5	80-120		%Rec	1	4/25/2016 10:21:20 AM	24955

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1604A30

Date Reported: 4/26/2016

CLIENT: Blagg Engineering

Client Sample ID: East Base 5-pt @ 18'

Project: GCU 242E

Collection Date: 4/22/2016 2:29:00 PM

Lab ID: 1604A30-003

Matrix: MEOH (SOIL)

Received Date: 4/23/2016 8:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	4/25/2016 12:02:54 PM	24978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/25/2016 11:09:36 AM	24971
Surr: DNOP	104	70-130		%Rec	1	4/25/2016 11:09:36 AM	24971
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	9.3	4.0		mg/Kg	1	4/25/2016 10:44:47 AM	24955
Surr: BFB	124	80-120	S	%Rec	1	4/25/2016 10:44:47 AM	24955
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.037	0.020		mg/Kg	1	4/25/2016 10:44:47 AM	24955
Toluene	0.12	0.040		mg/Kg	1	4/25/2016 10:44:47 AM	24955
Ethylbenzene	ND	0.040		mg/Kg	1	4/25/2016 10:44:47 AM	24955
Xylenes, Total	0.24	0.080		mg/Kg	1	4/25/2016 10:44:47 AM	24955
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	4/25/2016 10:44:47 AM	24955

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#: 1604A30

26-Apr-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-24978	SampType:	mblk		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS	Batch ID:	24978		RunNo:	33759				
Prep Date:	4/25/2016	Analysis Date:	4/25/2016		SeqNo:	1039760	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-24978	SampType:	lcs		TestCode:	EPA Method 300.0: Anions				
Client ID:	LCSS	Batch ID:	24978		RunNo:	33759				
Prep Date:	4/25/2016	Analysis Date:	4/25/2016		SeqNo:	1039761	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.1	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 |
| 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#: 1604A30
 26-Apr-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	LCS-24971	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	24971	RunNo:	33752					
Prep Date:	4/25/2016	Analysis Date:	4/25/2016	SeqNo:	1039575	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.7	65.8	136			
Surr: DNOP	4.8		5.000		95.9	70	130			

Sample ID	MB-24971	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	24971	RunNo:	33752					
Prep Date:	4/25/2016	Analysis Date:	4/25/2016	SeqNo:	1039576	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.8		10.00		98.1	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 |
| 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#: 1604A30

26-Apr-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-24955	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	24955	RunNo:	33757					
Prep Date:	4/22/2016	Analysis Date:	4/25/2016	SeqNo:	1039872	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	940		1000		94.1	80	120			

Sample ID	LCS-24955	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	24955	RunNo:	33757					
Prep Date:	4/22/2016	Analysis Date:	4/25/2016	SeqNo:	1039873	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.6	80	120			
Surr: BFB	1000		1000		103	80	120			

Sample ID	MB-24964	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	24964	RunNo:	33757					
Prep Date:	4/22/2016	Analysis Date:	4/25/2016	SeqNo:	1039916	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		96.8	80	120			

Sample ID	LCS-24964	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	24964	RunNo:	33757					
Prep Date:	4/22/2016	Analysis Date:	4/25/2016	SeqNo:	1039925	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		102	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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1604A30
 26-Apr-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-24955	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	24955	RunNo:	33757					
Prep Date:	4/22/2016	Analysis Date:	4/25/2016	SeqNo:	1039955	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	0.98		1.000		98.0	80	120			

Sample ID	LCS-24955	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	24955	RunNo:	33757					
Prep Date:	4/22/2016	Analysis Date:	4/25/2016	SeqNo:	1039956	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.1	75.3	123			
Toluene	0.87	0.050	1.000	0	87.4	80	124			
Ethylbenzene	0.85	0.050	1.000	0	84.6	82.8	121			
Xylenes, Total	2.5	0.10	3.000	0	84.5	83.9	122			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID	MB-24964	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	24964	RunNo:	33757					
Prep Date:	4/22/2016	Analysis Date:	4/25/2016	SeqNo:	1039974	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		99.4	80	120			

Sample ID	LCS-24964	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	24964	RunNo:	33757					
Prep Date:	4/22/2016	Analysis Date:	4/25/2016	SeqNo:	1039975	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		101	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

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1604A30**

RcptNo: 1

Received by/date: *AG*
 Logged By: **Ashley Gallegos**
 Completed By: **Ashley Gallegos**
 Reviewed By: *AG 04/23/16*

04/23/16
 4/23/2016 8:45:00 AM
 4/23/2016 9:32:47 AM

AG
AG

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	1.0	Good	Yes			



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

May 02, 2016

Jeff Blagg
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL:
FAX

RE: GCU 242E

OrderNo.: 1604B45

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/27/2016 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 1604B45

Date Reported: 5/2/2016

CLIENT: Blagg Engineering

Client Sample ID: East Side Wall 6-pt (8'-16')

Project: GCU 242E

Collection Date: 4/26/2016 2:21:00 PM

Lab ID: 1604B45-002

Matrix: MEOH (SOIL)

Received Date: 4/27/2016 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	4/27/2016 11:30:48 AM	25044
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/27/2016 1:54:16 PM	25027
Surr: DNOP	103	70-130		%Rec	1	4/27/2016 1:54:16 PM	25027
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/27/2016 12:20:40 PM	25015
Surr: BFB	94.9	80-120		%Rec	1	4/27/2016 12:20:40 PM	25015
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/27/2016 12:20:40 PM	25015
Toluene	ND	0.047		mg/Kg	1	4/27/2016 12:20:40 PM	25015
Ethylbenzene	ND	0.047		mg/Kg	1	4/27/2016 12:20:40 PM	25015
Xylenes, Total	ND	0.094		mg/Kg	1	4/27/2016 12:20:40 PM	25015
Surr: 4-Bromofluorobenzene	96.2	80-120		%Rec	1	4/27/2016 12:20:40 PM	25015

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#: 1604B45
 02-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-25044	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	25044	RunNo:	33845					
Prep Date:	4/27/2016	Analysis Date:	4/27/2016	SeqNo:	1042570	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-25044	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	25044	RunNo:	33845					
Prep Date:	4/27/2016	Analysis Date:	4/27/2016	SeqNo:	1042571	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.9	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 |
| 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#: 1604B45
 02-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	LCS-25001		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	25001		RunNo:	33822				
Prep Date:	4/26/2016		Analysis Date:	4/27/2016		SeqNo:	1041860		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	4.6		5.000		91.6	70	130				

Sample ID	LCS-25027		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	25027		RunNo:	33822				
Prep Date:	4/27/2016		Analysis Date:	4/27/2016		SeqNo:	1041861		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	89.5	65.8	136				
Surr: DNOP	4.4		5.000		88.0	70	130				

Sample ID	MB-25001		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	25001		RunNo:	33822				
Prep Date:	4/26/2016		Analysis Date:	4/27/2016		SeqNo:	1041862		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	9.6		10.00		95.7	70	130				

Sample ID	MB-25027		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	25027		RunNo:	33822				
Prep Date:	4/27/2016		Analysis Date:	4/27/2016		SeqNo:	1041863		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Surr: DNOP	9.8		10.00		98.2	70	130				

Sample ID	LCS-25002		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	25002		RunNo:	33843				
Prep Date:	4/26/2016		Analysis Date:	4/28/2016		SeqNo:	1042563		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	4.7		5.000		94.5	70	130				

Sample ID	MB-25002		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	25002		RunNo:	33843				
Prep Date:	4/26/2016		Analysis Date:	4/28/2016		SeqNo:	1042566		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	12		10.00		124	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#: 1604B45

02-May-16

Client: Blagg Engineering

Project: GCU 242E

Sample ID MB-25015	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 25015		RunNo: 33826							
Prep Date: 4/26/2016	Analysis Date: 4/27/2016		SeqNo: 1042318		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	950		1000		95.3	80	120			

Sample ID LCS-25015	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 25015		RunNo: 33826							
Prep Date: 4/26/2016	Analysis Date: 4/27/2016		SeqNo: 1042319		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.0	80	120			
Surr: BFB	1000		1000		102	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 |
| 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#: 1604B45
 02-May-16

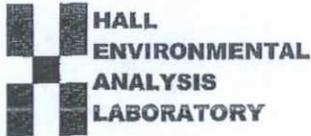
Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-25015	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	25015	RunNo:	33826					
Prep Date:	4/26/2016	Analysis Date:	4/27/2016	SeqNo:	1042402	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	0.99		1.000		99.1	80	120			

Sample ID	LCS-25015	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	25015	RunNo:	33826					
Prep Date:	4/26/2016	Analysis Date:	4/27/2016	SeqNo:	1042403	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	101	75.3	123			
Toluene	0.94	0.050	1.000	0	94.2	80	124			
Ethylbenzene	0.90	0.050	1.000	0	90.4	82.8	121			
Xylenes, Total	2.7	0.10	3.000	0	89.8	83.9	122			
Surr: 4-Bromofluorobenzene	1.0		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: **1604B45**

RcptNo: **1**

Received by/date:

[Signature] 04/27/16

Logged By: **Lindsay Mangin**

4/27/2016 7:15:00 AM

[Signature]

Completed By: **Lindsay Mangin**

4/27/2016 7:59:51 AM

[Signature]

Reviewed By:

[Signature] 04/27/16

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:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

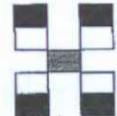
17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record

Turn-Around Time: ASAP
 Standard Rush SAME DAY



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: BP AMERICA

BLAGG ENGINEERING INC.

Mailing Address:

Project Name: GCU 242E

Project #:

Phone #: 505-320-1183

E-mail or Fax#:

Project Manager: J- Blagg

QC Package:
 Standard Level 4 (Full Validation)

Sampler: J- Blagg
 On Ice: Yes No

Creditation:
 NELAP Other _____

Sample Temperature: 13

EDD (Type):

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + THMs (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MSO)	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)	
6/16	1412	SOIL	Extended EAST BASE 5-pt @ 17'	4 oz x 1	COOL	-001	X	X											X	
1	1421	"	EAST SIDE wall 6-pt (8'-16')	"	"	-002	X	X											X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/16	1655	Jeff Blagg	Christine Waelter	4/26/16	1655
16/16	1900	Christine Waelter	[Signature]	04/27/16	0715

Remarks: Bill BP
CONTACT: STEVE MOSCAL
VID: VMOS6HQFEC

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

April 29, 2016

Jeff Blagg
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL:
FAX

RE: GCU 242E

OrderNo.: 1604C10

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/28/2016 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".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1604C10

Date Reported: 4/29/2016

CLIENT: Blagg Engineering

Client Sample ID: N Base - W End 5-pt (18'-20')

Project: GCU 242E

Collection Date: 4/27/2016 2:08:00 PM

Lab ID: 1604C10-001

Matrix: MEOH (SOIL)

Received Date: 4/28/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SRM
Chloride	49	30		mg/Kg	20	4/28/2016 12:02:08 PM	25067
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/28/2016 11:25:43 AM	25053
Surr: DNOP	99.0	70-130		%Rec	1	4/28/2016 11:25:43 AM	25053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	4/28/2016 10:00:37 AM	25034
Surr: BFB	97.2	80-120		%Rec	1	4/28/2016 10:00:37 AM	25034
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	4/28/2016 10:00:37 AM	25034
Toluene	ND	0.040		mg/Kg	1	4/28/2016 10:00:37 AM	25034
Ethylbenzene	ND	0.040		mg/Kg	1	4/28/2016 10:00:37 AM	25034
Xylenes, Total	ND	0.079		mg/Kg	1	4/28/2016 10:00:37 AM	25034
Surr: 4-Bromofluorobenzene	97.6	80-120		%Rec	1	4/28/2016 10:00:37 AM	25034

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1604C10

Date Reported: 4/29/2016

CLIENT: Blagg Engineering

Client Sample ID: N Base - E End 5-pt (17'-18')

Project: GCU 242E

Collection Date: 4/27/2016 2:14:00 PM

Lab ID: 1604C10-002

Matrix: MEOH (SOIL)

Received Date: 4/28/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SRM
Chloride	ND	30		mg/Kg	20	4/28/2016 12:14:33 PM	25067
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/28/2016 11:47:55 AM	25053
Surr: DNOP	100	70-130		%Rec	1	4/28/2016 11:47:55 AM	25053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	4/28/2016 10:23:59 AM	25034
Surr: BFB	97.5	80-120		%Rec	1	4/28/2016 10:23:59 AM	25034
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	4/28/2016 10:23:59 AM	25034
Toluene	ND	0.041		mg/Kg	1	4/28/2016 10:23:59 AM	25034
Ethylbenzene	ND	0.041		mg/Kg	1	4/28/2016 10:23:59 AM	25034
Xylenes, Total	ND	0.082		mg/Kg	1	4/28/2016 10:23:59 AM	25034
Surr: 4-Bromofluorobenzene	98.5	80-120		%Rec	1	4/28/2016 10:23:59 AM	25034

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1604C10

Date Reported: 4/29/2016

CLIENT: Blagg Engineering

Client Sample ID: N Wall - E End 5-pt (8'-14')

Project: GCU 242E

Collection Date: 4/27/2016 2:18:00 PM

Lab ID: 1604C10-003

Matrix: MEOH (SOIL)

Received Date: 4/28/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SRM
Chloride	ND	30		mg/Kg	20	4/28/2016 12:26:58 PM	25067
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/28/2016 12:09:58 PM	25053
Surr: DNOP	104	70-130		%Rec	1	4/28/2016 12:09:58 PM	25053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	4/28/2016 10:47:23 AM	25034
Surr: BFB	97.2	80-120		%Rec	1	4/28/2016 10:47:23 AM	25034
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.022		mg/Kg	1	4/28/2016 10:47:23 AM	25034
Toluene	ND	0.044		mg/Kg	1	4/28/2016 10:47:23 AM	25034
Ethylbenzene	ND	0.044		mg/Kg	1	4/28/2016 10:47:23 AM	25034
Xylenes, Total	ND	0.089		mg/Kg	1	4/28/2016 10:47:23 AM	25034
Surr: 4-Bromofluorobenzene	96.7	80-120		%Rec	1	4/28/2016 10:47:23 AM	25034

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1604C10
 Date Reported: 4/29/2016

CLIENT: Blagg Engineering **Client Sample ID:** N Wall - Center W 4-pt (8'-16')

Project: GCU 242E **Collection Date:** 4/27/2016 2:24:00 PM

Lab ID: 1604C10-004 **Matrix:** MEOH (SOIL) **Received Date:** 4/28/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: SRM
Chloride	ND	30		mg/Kg	20	4/28/2016 12:39:23 PM	25067
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/28/2016 12:31:46 PM	25053
Surr: DNOP	102	70-130		%Rec	1	4/28/2016 12:31:46 PM	25053
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	4/28/2016 11:10:57 AM	25034
Surr: BFB	94.8	80-120		%Rec	1	4/28/2016 11:10:57 AM	25034
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	4/28/2016 11:10:57 AM	25034
Toluene	ND	0.042		mg/Kg	1	4/28/2016 11:10:57 AM	25034
Ethylbenzene	ND	0.042		mg/Kg	1	4/28/2016 11:10:57 AM	25034
Xylenes, Total	ND	0.084		mg/Kg	1	4/28/2016 11:10:57 AM	25034
Surr: 4-Bromofluorobenzene	95.5	80-120		%Rec	1	4/28/2016 11:10:57 AM	25034

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#: 1604C10

29-Apr-16

Client: Blagg Engineering

Project: GCU 242E

Sample ID	MB-25067	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	25067	RunNo:	33881					
Prep Date:	4/28/2016	Analysis Date:	4/28/2016	SeqNo:	1043530	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-25067	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	25067	RunNo:	33881					
Prep Date:	4/28/2016	Analysis Date:	4/28/2016	SeqNo:	1043531	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	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#: 1604C10
 29-Apr-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	LCS-25002		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	25002		RunNo:	33843				
Prep Date:	4/26/2016		Analysis Date:	4/28/2016		SeqNo:	1042563		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	4.7		5.000		94.5	70	130				

Sample ID	MB-25002		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	25002		RunNo:	33843				
Prep Date:	4/26/2016		Analysis Date:	4/28/2016		SeqNo:	1042566		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	12		10.00		124	70	130				

Sample ID	MB-25053		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	25053		RunNo:	33843				
Prep Date:	4/28/2016		Analysis Date:	4/28/2016		SeqNo:	1042567		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Surr: DNOP	10		10.00		100	70	130				

Sample ID	LCS-25053		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	25053		RunNo:	33843				
Prep Date:	4/28/2016		Analysis Date:	4/28/2016		SeqNo:	1042741		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	93.3	65.8	136				
Surr: DNOP	4.8		5.000		95.8	70	130				

Sample ID	1604C10-001AMS		SampType:	MS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	N Base - W End 5-pt		Batch ID:	25053		RunNo:	33843				
Prep Date:	4/28/2016		Analysis Date:	4/28/2016		SeqNo:	1043207		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	48	10	49.90	4.228	87.3	33.9	141				
Surr: DNOP	4.7		4.990		93.8	70	130				

Sample ID	1604C10-001AMSD		SampType:	MSD		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	N Base - W End 5-pt		Batch ID:	25053		RunNo:	33843				
Prep Date:	4/28/2016		Analysis Date:	4/28/2016		SeqNo:	1043208		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	50	9.7	48.69	4.228	93.6	33.9	141	4.05	20		
Surr: DNOP	4.8		4.869		98.5	70	130	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
- 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#: 1604C10
 29-Apr-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-25034	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	25034	RunNo:	33850					
Prep Date:	4/27/2016	Analysis Date:	4/28/2016	SeqNo:	1043122	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		96.2	80	120			

Sample ID	LCS-25034	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	25034	RunNo:	33850					
Prep Date:	4/27/2016	Analysis Date:	4/28/2016	SeqNo:	1043125	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.5	80	120			
Surr: BFB	1000		1000		102	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1604C10
29-Apr-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-25034	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	25034	RunNo:	33850					
Prep Date:	4/27/2016	Analysis Date:	4/28/2016	SeqNo:	1043171	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	0.99		1.000		99.1	80	120			

Sample ID	LCS-25034	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	25034	RunNo:	33850					
Prep Date:	4/27/2016	Analysis Date:	4/28/2016	SeqNo:	1043173	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	106	75.3	123			
Toluene	0.98	0.050	1.000	0	98.4	80	124			
Ethylbenzene	0.92	0.050	1.000	0	92.1	82.8	121			
Xylenes, Total	2.8	0.10	3.000	0	91.7	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	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: **1604C10**

RcptNo: **1**

Received by/date:

[Signature]

04/28/16

Logged By: **Lindsay Mangin**

4/28/2016 7:00:00 AM

[Signature]

Completed By: **Lindsay Mangin**

4/28/2016 7:23:58 AM

[Signature]

Reviewed By:

AT 04/28/16

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: _____

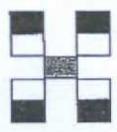
17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			

Chain-of-Custody Record

Turn-Around Time: ASAP
 Standard Rush SAME DAY
 Project Name: GCU 242E
 Project #: _____
 Project Manager: J. Blagg
 Sampler: J. Blagg
 On Ice: Yes No
 Sample Temperature: 1.8



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: BP AMERICA
 Billing Address: BLAGG ENGINEERING INC.
 Phone #: (505) 320-493
 Email or Fax#: _____
 A/QC Package: Standard Level 4 (Full Validation)
 Accreditation: NELAP Other _____
 EDD (Type): _____

Analysis Request

BTEX + MTBE + THMs (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / THMs)	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	
X	X	X									X	

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No
3/16	1403	SOIL	NORTH BASE - West End 5-pt (18'-20')	4 oz x 1	COOL	1604C10 -001
"	1414	"	NORTH BASE - EAST End 5-pt (17'-18')	"	"	-002
"	1418	"	NORTH Wall - EAST End 5-pt (13'-14')	"	"	-003
"	1424	"	NORTH Wall - Center West 4-pt (10'-16')	"	"	-004

Date: 27/16 Time: 1535 Relinquished by: J. Blagg
 Received by: Christine Walters Date: 4/27/16 Time: 1535
 Date: 7/16 Time: 1747 Relinquished by: Christine Walters
 Received by: [Signature] Date: 07/28/16 Time: 0700

Remarks: BILL BP
CONTACT: STEVE MOSCAL
VID: VMOS6HQFEC

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

May 02, 2016

Jeff Blagg
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL:
FAX

RE: GCU 242E

OrderNo.: 1604C69

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 2 sample(s) on 4/29/2016 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.

CLIENT: Blagg Engineering **Client Sample ID:** N Wall-W End Extension 5-pt (8'
Project: GCU 242E **Collection Date:** 4/28/2016 2:10:00 PM
Lab ID: 1604C69-001 **Matrix:** MEOH (SOIL) **Received Date:** 4/29/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	40	30		mg/Kg	20	4/29/2016 11:53:39 AM	25076
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	4/29/2016 10:55:02 AM	25071
Surr: DNOP	90.5	70-130		%Rec	1	4/29/2016 10:55:02 AM	25071
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	4/29/2016 10:33:41 AM	25062
Surr: BFB	97.5	80-120		%Rec	1	4/29/2016 10:33:41 AM	25062
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.022		mg/Kg	1	4/29/2016 10:33:41 AM	25062
Toluene	ND	0.044		mg/Kg	1	4/29/2016 10:33:41 AM	25062
Ethylbenzene	ND	0.044		mg/Kg	1	4/29/2016 10:33:41 AM	25062
Xylenes, Total	ND	0.089		mg/Kg	1	4/29/2016 10:33:41 AM	25062
Surr: 4-Bromofluorobenzene	98.2	80-120		%Rec	1	4/29/2016 10:33:41 AM	25062

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: Base-W End N Extension 5-pt @

Project: GCU 242E

Collection Date: 4/28/2016 2:15:00 PM

Lab ID: 1604C69-002

Matrix: MEOH (SOIL)

Received Date: 4/29/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	52	30		mg/Kg	20	4/29/2016 12:06:04 PM	25076
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/29/2016 11:16:37 AM	25071
Surr: DNOP	95.6	70-130		%Rec	1	4/29/2016 11:16:37 AM	25071
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	7.4	4.2		mg/Kg	1	4/29/2016 10:57:19 AM	25062
Surr: BFB	115	80-120		%Rec	1	4/29/2016 10:57:19 AM	25062
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	4/29/2016 10:57:19 AM	25062
Toluene	0.046	0.042		mg/Kg	1	4/29/2016 10:57:19 AM	25062
Ethylbenzene	ND	0.042		mg/Kg	1	4/29/2016 10:57:19 AM	25062
Xylenes, Total	0.13	0.085		mg/Kg	1	4/29/2016 10:57:19 AM	25062
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	4/29/2016 10:57:19 AM	25062

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#: 1604C69
 02-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-25076	SampType:	mbk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	25076	RunNo:	33917					
Prep Date:	4/29/2016	Analysis Date:	4/29/2016	SeqNo:	1044748	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-25076	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	25076	RunNo:	33917					
Prep Date:	4/29/2016	Analysis Date:	4/29/2016	SeqNo:	1044749	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 |
| 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#: 1604C69
02-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	LCS-25071	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	25071	RunNo:	33883					
Prep Date:	4/29/2016	Analysis Date:	4/29/2016	SeqNo:	1043645	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.8	65.8	136			
Surr: DNOP	4.6		5.000		91.9	70	130			

Sample ID	MB-25071	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	25071	RunNo:	33883					
Prep Date:	4/29/2016	Analysis Date:	4/29/2016	SeqNo:	1043646	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.0		10.00		90.3	70	130			

Sample ID	MB-25085	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	25085	RunNo:	33883					
Prep Date:	4/30/2016	Analysis Date:	4/30/2016	SeqNo:	1044127	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.0		10.00		90.1	70	130			

Sample ID	LCS-25085	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	25085	RunNo:	33883					
Prep Date:	4/30/2016	Analysis Date:	4/30/2016	SeqNo:	1044133	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.8	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 |
| 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#: 1604C69
 02-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID MB-25062	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 25062		RunNo: 33888							
Prep Date: 4/28/2016	Analysis Date: 4/29/2016		SeqNo: 1043964				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	980		1000		97.6	80	120			

Sample ID LCS-25062	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 25062		RunNo: 33888							
Prep Date: 4/28/2016	Analysis Date: 4/29/2016		SeqNo: 1043965				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.8	80	120			
Surr: BFB	1000		1000		105	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 |
| 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#: 1604C69
 02-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-25062	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	25062	RunNo:	33888					
Prep Date:	4/28/2016	Analysis Date:	4/29/2016	SeqNo:	1043996	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		101	80	120			

Sample ID	LCS-25062	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	25062	RunNo:	33888					
Prep Date:	4/28/2016	Analysis Date:	4/29/2016	SeqNo:	1043997	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.1	75.3	123			
Toluene	0.84	0.050	1.000	0	84.4	80	124			
Ethylbenzene	0.83	0.050	1.000	0	82.6	82.8	121			S
Xylenes, Total	2.5	0.10	3.000	0	81.8	83.9	122			S
Surr: 4-Bromofluorobenzene	1.0		1.000		102	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

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1604C69**

RcptNo: **1**

Received by/date: *[Signature]* **04/29/16**
 Logged By: **Lindsay Mangin** **4/29/2016 7:00:00 AM** *[Signature]*
 Completed By: **Lindsay Mangin** **4/29/2016 7:39:32 AM** *[Signature]*
 Reviewed By: *[Signature]* **04/29/16**

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	1.8	Good	Yes			



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

May 03, 2016

Jeff Blagg
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413
TEL:
FAX

RE: GCU 242E

OrderNo.: 1604D28

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/30/2016 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 1604D28

Date Reported: 5/3/2016

CLIENT: Blagg Engineering

Client Sample ID: West Wall 9-pt Comp (8'-18')

Project: GCU 242E

Collection Date: 4/29/2016 2:15:00 PM

Lab ID: 1604D28-001

Matrix: MEOH (SOIL)

Received Date: 4/30/2016 8:03:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	67	30		mg/Kg	20	5/2/2016 2:10:39 PM	25106
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/30/2016 3:50:14 PM	25085
Surr: DNOP	97.9	70-130		%Rec	1	4/30/2016 3:50:14 PM	25085
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	6.7	4.4		mg/Kg	1	4/30/2016 6:18:49 PM	25083
Surr: BFB	115	80-120		%Rec	1	4/30/2016 6:18:49 PM	25083
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.027	0.022		mg/Kg	1	4/30/2016 6:18:49 PM	25083
Toluene	0.13	0.044		mg/Kg	1	4/30/2016 6:18:49 PM	25083
Ethylbenzene	ND	0.044		mg/Kg	1	4/30/2016 6:18:49 PM	25083
Xylenes, Total	0.30	0.087		mg/Kg	1	4/30/2016 6:18:49 PM	25083
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	4/30/2016 6:18:49 PM	25083

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#: 1604D28
 03-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-25106	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	25106	RunNo:	33940					
Prep Date:	5/2/2016	Analysis Date:	5/2/2016	SeqNo:	1045729	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-25106	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	25106	RunNo:	33940					
Prep Date:	5/2/2016	Analysis Date:	5/2/2016	SeqNo:	1045730	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.1	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#: 1604D28
 03-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	LCS-25071	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	25071	RunNo:	33883					
Prep Date:	4/29/2016	Analysis Date:	4/29/2016	SeqNo:	1043645	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		91.9	70	130			

Sample ID	MB-25071	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	25071	RunNo:	33883					
Prep Date:	4/29/2016	Analysis Date:	4/29/2016	SeqNo:	1043646	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.0		10.00		90.3	70	130			

Sample ID	MB-25085	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	25085	RunNo:	33883					
Prep Date:	4/30/2016	Analysis Date:	4/30/2016	SeqNo:	1044127	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.0		10.00		90.1	70	130			

Sample ID	LCS-25085	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	25085	RunNo:	33883					
Prep Date:	4/30/2016	Analysis Date:	4/30/2016	SeqNo:	1044133	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	65.8	136			
Surr: DNOP	4.4		5.000		87.8	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#: 1604D28

03-May-16

Client: Blagg Engineering

Project: GCU 242E

Sample ID	MB-25083	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	25083	RunNo:	33902					
Prep Date:	4/29/2016	Analysis Date:	4/30/2016	SeqNo:	1044407	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	970		1000		97.1	80	120			

Sample ID	LCS-25083	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	25083	RunNo:	33902					
Prep Date:	4/29/2016	Analysis Date:	4/30/2016	SeqNo:	1044408	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.7	80	120			
Surr: BFB	1100		1000		106	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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 1604D28
 03-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-25083	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	25083	RunNo:	33902					
Prep Date:	4/29/2016	Analysis Date:	4/30/2016	SeqNo:	1044432	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	0.99		1.000		98.6	80	120			

Sample ID	LCS-25083	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	25083	RunNo:	33902					
Prep Date:	4/29/2016	Analysis Date:	4/30/2016	SeqNo:	1044433	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.4	75.3	123			
Toluene	0.86	0.050	1.000	0	85.6	80	124			
Ethylbenzene	0.84	0.050	1.000	0	84.0	82.8	121			
Xylenes, Total	2.5	0.10	3.000	0	83.9	83.9	122			
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: **1604D28**

ReptNo: **1**

Received by/date: [Signature] 04/30/16

Logged By: **Lindsay Mangin** 4/30/2016 8:03:00 AM [Signature]

Completed By: **Lindsay Mangin** 4/30/2016 8:23:32 AM [Signature]

Reviewed By: **NG** 4/30/16 08:15

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:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

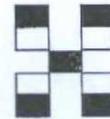
18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good	Yes			

Chain-of-Custody Record

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

Turn-Around Time: **ASAP**
 Standard Rush **SAME DAY**
 Project Name: **GCU 242E**
 Project #:
 Project Manager: **J. Blagg**
 Sampler: **J. Blagg**
 On Ice: Yes No
 Sample Temperature: **38**



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 (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)
4/16	1415	SOIL	West wall 9'-18" Comp	4oz x 1	COOL	11001188-001	X		X									X	

Date: 4/16 Time: 1505 Relinquished by: *J. Blagg* Received by: *Chris Watts* Date: 4/29/16 Time: 1505
 Date: 4/16 Time: 1740 Relinquished by: *Chris Watts* Received by: *[Signature]* Date: 04/30/16 Time: 0803

Remarks: **Bill BP**
contact: Steve Moscal
VID: VMOS6HQFEC

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.



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

May 05, 2016

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

RE: GCU 242E

OrderNo.: 1605063

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 4 sample(s) on 5/3/2016 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.

CLIENT: Blagg Engineering **Client Sample ID:** SW Wall-E END 6-pt (8'-16')
Project: GCU 242E **Collection Date:** 5/2/2016 2:16:00 PM
Lab ID: 1605063-001 **Matrix:** SOIL **Received Date:** 5/3/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/3/2016 12:16:05 PM	25117
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/3/2016 1:51:30 PM	25118
Surr: DNOP	78.5	70-130		%Rec	1	5/3/2016 1:51:30 PM	25118
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/3/2016 11:01:10 AM	A33952
Surr: BFB	107	80-120		%Rec	1	5/3/2016 11:01:10 AM	A33952
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/3/2016 11:01:10 AM	B33952
Toluene	ND	0.050		mg/Kg	1	5/3/2016 11:01:10 AM	B33952
Ethylbenzene	ND	0.050		mg/Kg	1	5/3/2016 11:01:10 AM	B33952
Xylenes, Total	ND	0.10		mg/Kg	1	5/3/2016 11:01:10 AM	B33952
Surr: 4-Bromofluorobenzene	108	80-120		%Rec	1	5/3/2016 11:01:10 AM	B33952

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: SW CORNER BASE E Side 4-pt

Project: GCU 242E

Collection Date: 5/2/2016 2:26:00 PM

Lab ID: 1605063-003

Matrix: SOIL

Received Date: 5/3/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/3/2016 12:40:54 PM	25117
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/3/2016 2:35:25 PM	25118
Surr: DNOP	79.8	70-130		%Rec	1	5/3/2016 2:35:25 PM	25118
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	5/3/2016 11:48:12 AM	A33952
Surr: BFB	102	80-120		%Rec	1	5/3/2016 11:48:12 AM	A33952
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.022		mg/Kg	1	5/3/2016 11:48:12 AM	B33952
Toluene	ND	0.043		mg/Kg	1	5/3/2016 11:48:12 AM	B33952
Ethylbenzene	ND	0.043		mg/Kg	1	5/3/2016 11:48:12 AM	B33952
Xylenes, Total	ND	0.086		mg/Kg	1	5/3/2016 11:48:12 AM	B33952
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	5/3/2016 11:48:12 AM	B33952

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1605063

Date Reported: 5/5/2016

CLIENT: Blagg Engineering

Client Sample ID: SW CORNER BASE W Side 4-p

Project: GCU 242E

Collection Date: 5/2/2016 2:31:00 PM

Lab ID: 1605063-004

Matrix: SOIL

Received Date: 5/3/2016 8:05:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/3/2016 12:53:19 PM	25117
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/3/2016 2:57:15 PM	25118
Surr: DNOP	72.6	70-130		%Rec	1	5/3/2016 2:57:15 PM	25118
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	5.3	3.8		mg/Kg	1	5/3/2016 12:11:47 PM	A33952
Surr: BFB	115	80-120		%Rec	1	5/3/2016 12:11:47 PM	A33952
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.020	0.019		mg/Kg	1	5/3/2016 12:11:47 PM	B33952
Toluene	0.045	0.038		mg/Kg	1	5/3/2016 12:11:47 PM	B33952
Ethylbenzene	ND	0.038		mg/Kg	1	5/3/2016 12:11:47 PM	B33952
Xylenes, Total	0.10	0.077		mg/Kg	1	5/3/2016 12:11:47 PM	B33952
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	5/3/2016 12:11:47 PM	B33952

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#: 1605063
 05-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	LCS-25093		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	25093		RunNo:	33949				
Prep Date:	5/2/2016		Analysis Date:	5/3/2016		SeqNo:	1045935		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	4.3		5.000		85.2	70	130				

Sample ID	LCS-25118		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS		Batch ID:	25118		RunNo:	33949				
Prep Date:	5/3/2016		Analysis Date:	5/3/2016		SeqNo:	1045936		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	49	10	50.00	0	97.1	65.8	136				
Surr: DNOP	3.0		5.000		59.5	70	130			S	

Sample ID	MB-25093		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	25093		RunNo:	33949				
Prep Date:	5/2/2016		Analysis Date:	5/3/2016		SeqNo:	1045937		Units: %Rec		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	9.5		10.00		94.6	70	130				

Sample ID	MB-25118		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS		Batch ID:	25118		RunNo:	33949				
Prep Date:	5/3/2016		Analysis Date:	5/3/2016		SeqNo:	1045938		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Surr: DNOP	7.2		10.00		71.6	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#: 1605063
 05-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID 5ML RB	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: A33952		RunNo: 33952							
Prep Date:	Analysis Date: 5/3/2016		SeqNo: 1046270		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	1000		1000		100	80	120			

Sample ID 2.5UG GRO LCS	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: A33952		RunNo: 33952							
Prep Date:	Analysis Date: 5/3/2016		SeqNo: 1046271		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.9	80	120			
Surr: BFB	1100		1000		107	80	120			

Sample ID MB-25102	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 25102		RunNo: 33952							
Prep Date: 5/2/2016	Analysis Date: 5/3/2016		SeqNo: 1046281		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	990		1000		99.5	80	120			

Sample ID LCS-25102	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 25102		RunNo: 33952							
Prep Date: 5/2/2016	Analysis Date: 5/3/2016		SeqNo: 1046282		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		107	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 |
| 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#: 1605063
 05-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	B33952	RunNo:	33952					
Prep Date:		Analysis Date:	5/3/2016	SeqNo:	1046344	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		103	80	120			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	B33952	RunNo:	33952					
Prep Date:		Analysis Date:	5/3/2016	SeqNo:	1046345	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	102	75.3	123			
Toluene	0.96	0.050	1.000	0	95.5	80	124			
Ethylbenzene	0.91	0.050	1.000	0	90.8	82.8	121			
Xylenes, Total	2.7	0.10	3.000	0	89.4	83.9	122			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			

Sample ID	MB-25102	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	25102	RunNo:	33952					
Prep Date:	5/2/2016	Analysis Date:	5/3/2016	SeqNo:	1046354	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID	LCS-25102	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	25102	RunNo:	33952					
Prep Date:	5/2/2016	Analysis Date:	5/3/2016	SeqNo:	1046361	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	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 |
| 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 |

Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1605063**

RcptNo: **1**

Received by/date: AT 05/03/16

Logged By: **Anne Thorne** 5/3/2016 8:05:00 AM *Anne Thorne*

Completed By: **Anne Thorne** 5/3/2016 *Anne Thorne*

Reviewed By: *[Signature]* 05/03/16

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? Yes No
(Note discrepancies on chain of custody)
- 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? Yes No
(If no, notify customer for authorization.)

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: _____

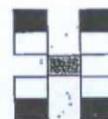
17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Chain-of-Custody Record

Turn-Around Time: RUSH ASAP
 Standard Rush SAME DAY



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

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

Project Name: GCU 24ZE
 Project #:
 Project Manager: J. Blagg
 Sampler: J. Blagg
 On Ice: Yes No
 Sample Temperature: 13

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	BTEX + MTBE + THPs (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRE)	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)
2/16	1416	SOIL	SW Wall - EAST END 6-pt (8'-16')	4 oz x 1	COOL	1605063 201	X	X										X	
"	1422	"	SW Wall - WEST END 6-pt (8'-16')	"	"	202	X	X										X	
"	1426	"	SW CORNER BASE EAST side 4-pt @ 18'	"	"	203	X	X										X	
"	1431	"	SW CORNER BASE West side 4-pt @ 18'	"	"	204	X	X										X	

Date: 2/16 Time: 1708 Relinquished by: Jeff Blagg
 Received by: Christopher Walls Date: 5/2/16 Time: 1708
 Date: 2/16 Time: 1837 Relinquished by: Christopher Walls
 Received by: Chris Walls Date: 05/03/16 Time: 0805

Remarks: BILL BP
CONTACT: STEVE MOSCAL
VID: VMOS6HQFEC

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

May 05, 2016

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

RE: GCU 242E

OrderNo.: 1605112

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/4/2016 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.

CLIENT: Blagg Engineering **Client Sample ID:** Southwest Base 3-pt @ 17'
Project: GCU 242E **Collection Date:** 5/3/2016 2:10:00 PM
Lab ID: 1605112-001 **Matrix:** SOIL **Received Date:** 5/4/2016 7:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/4/2016 12:17:00 PM	25147
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/4/2016 11:24:22 AM	25140
Surr: DNOP	101	70-130		%Rec	1	5/4/2016 11:24:22 AM	25140
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/4/2016 11:17:01 AM	25130
Surr: BFB	94.0	80-120		%Rec	1	5/4/2016 11:17:01 AM	25130
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.19	0.025		mg/Kg	1	5/4/2016 11:17:01 AM	25130
Toluene	ND	0.050		mg/Kg	1	5/4/2016 11:17:01 AM	25130
Ethylbenzene	ND	0.050		mg/Kg	1	5/4/2016 11:17:01 AM	25130
Xylenes, Total	ND	0.10		mg/Kg	1	5/4/2016 11:17:01 AM	25130
Surr: 4-Bromofluorobenzene	94.4	80-120		%Rec	1	5/4/2016 11:17:01 AM	25130

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1605112
 Date Reported: 5/5/2016

CLIENT: Blagg Engineering
Project: GCU 242E
Lab ID: 1605112-002

Matrix: SOIL

Client Sample ID: West Wall South End 9-PT (7'-1
Collection Date: 5/3/2016 2:17:00 PM
Received Date: 5/4/2016 7:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	5/4/2016 12:29:24 PM	25147
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/4/2016 11:46:17 AM	25140
Surr: DNOP	101	70-130		%Rec	1	5/4/2016 11:46:17 AM	25140
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	10	5.9		mg/Kg	1	5/4/2016 11:40:33 AM	25130
Surr: BFB	111	80-120		%Rec	1	5/4/2016 11:40:33 AM	25130
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.077	0.030		mg/Kg	1	5/4/2016 11:40:33 AM	25130
Toluene	0.30	0.059		mg/Kg	1	5/4/2016 11:40:33 AM	25130
Ethylbenzene	ND	0.059		mg/Kg	1	5/4/2016 11:40:33 AM	25130
Xylenes, Total	0.60	0.12		mg/Kg	1	5/4/2016 11:40:33 AM	25130
Surr: 4-Bromofluorobenzene	98.4	80-120		%Rec	1	5/4/2016 11:40:33 AM	25130

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#: 1605112

05-May-16

Client: Blagg Engineering

Project: GCU 242E

Sample ID	MB-25147	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	25147	RunNo:	34005					
Prep Date:	5/4/2016	Analysis Date:	5/4/2016	SeqNo:	1047798	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-25147	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	25147	RunNo:	34005					
Prep Date:	5/4/2016	Analysis Date:	5/4/2016	SeqNo:	1047799	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	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#: 1605112
 05-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	LCS-25140	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	25140	RunNo:	33966					
Prep Date:	5/4/2016	Analysis Date:	5/4/2016	SeqNo:	1047132	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	93.0	65.8	136			
Surr: DNOP	4.7		5.000		94.2	70	130			

Sample ID	MB-25140	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	25140	RunNo:	33966					
Prep Date:	5/4/2016	Analysis Date:	5/4/2016	SeqNo:	1047133	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	9.8		10.00		97.9	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 |
| 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#: 1605112
 05-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-25130	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	25130	RunNo:	33977					
Prep Date:	5/3/2016	Analysis Date:	5/4/2016	SeqNo:	1047281	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		91.4	80	120			

Sample ID	LCS-25130	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	25130	RunNo:	33977					
Prep Date:	5/3/2016	Analysis Date:	5/4/2016	SeqNo:	1047282	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.8	80	120			
Surr: BFB	970		1000		97.2	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 |
| 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#: 1605112
 05-May-16

Client: Blagg Engineering
Project: GCU 242E

Sample ID	MB-25130	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	25130	RunNo:	33977					
Prep Date:	5/3/2016	Analysis Date:	5/4/2016	SeqNo:	1047315	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	0.93		1.000		92.9	80	120			

Sample ID	LCS-25130	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	25130	RunNo:	33977					
Prep Date:	5/3/2016	Analysis Date:	5/4/2016	SeqNo:	1047316	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	75.3	123			
Toluene	0.93	0.050	1.000	0	93.3	80	124			
Ethylbenzene	0.88	0.050	1.000	0	88.0	82.8	121			
Xylenes, Total	2.6	0.10	3.000	0	87.2	83.9	122			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.4	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: **1605112**

RcptNo: **1**

Received by/date: LM 05/04/16

Logged By: **Anne Thorne** 5/4/2016 7:55:00 AM *Anne Thorne*

Completed By: **Anne Thorne** 5/4/2016 *Anne Thorne*

Reviewed By: *AT 05/04/16*

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	1.4	Good	Yes			

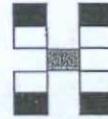
Chain-of-Custody Record

Turn-Around Time: **ASAP**
 Standard Rush **SAME DAY**

Client: **BP AMERICA**

Project Name: **GCU 24ZE**

Project #: _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

mailing Address: **BLAGG ENGINEERING, INC.**

Phone #: **(505) 320-1193**

mail or Fax#: _____

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

Accreditation:
 NELAP Other _____

Method: EDD (Type) _____

Project Manager: **J. BLAGG**

Sampler: **J. BLAGG**

On Ice: Yes No

Sample Temperature: **1.4**

Analysis Request												
BTEX + MTBE + THMs (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	

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
5/20/16	1410	SOIL	Southwest Base 3-pt @ 17'	4 oz x 1 Meathkt	COOL	11605112
"	1417	"	West Wall south end 9-pt (7'-16')	"	"	201

Date: 5/20/16	Time: 1820	Relinquished by: JH Blagg	Received by: Christine Walea	Date: 5/31/16	Time: 1820
Date: 5/16	Time: 1940	Relinquished by: Christine Walea	Received by: [Signature]	Date: 05/28/16	Time: 0755

Remarks: **BILL BP**
CONTACT: STEVE MOSCAL
VID: VMOS6HQFEC

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.

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 **63143-1183**
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised August 1, 2011

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: BP America Production Co. 200 Energy Ct. Farmington, NM 87401
2. Originating Site: Gallegos Canyon Unit 242E Paykey: VHIXONEVRM April / May 2016
3. Location of Material (Street Address, City, State or ULSTR): QRT/QRT: NE/SW Unit: K Section: 24 T28N R12W
4. Source and Description of Waste: Hydrocarbon impacted soil derived from a below grade tank and a former earthen pit. Estimated Volume <u>120</u> yd ³ / bbls Known Volume (to be entered by the operator at the end of the haul) <u>6327</u> yd ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Steve Moskal</u> , representative or authorized agent for <u>BP America Production Company</u> do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <i>Operator Use Only: Waste Acceptance Frequency</i> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input checked="" type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS <u>Steve Moskal</u> , representative for <u>BP America Production Company</u> authorize <u>Envirotech</u> to complete the required testing/sign the Generator Waste Testing Certification. I, <u>Greg Crabtree</u> , representative for <u>Envirotech</u> do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Crossfire

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Landfarm #2; Permit # NM-01-0011

Address of Facility: #43 CR 7175, 14 Miles S of Bloomfield, NM

Method of Treatment and/or Disposal:

Evaporation Injection Treating Plant Landfarm Landfill Other

Waste Acceptance Status:

APPROVED

DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Greg Crabtree

TITLE: Environmental Manager DATE: 6/2/16

SIGNATURE: [Signature]
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 505-632-0615