

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised April 3, 2017

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	BP America Production Company	Contact	Erin Garifalos
Address	200 Energy Court, Farmington, NM 87401	Telephone No.	(832) 609-7048
Facility Name	GCU 235	Facility Type	Natural Gas Well

Surface Owner	Federal	Mineral Owner	Federal	API No.	3004511691
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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
H	13	28N	13W	2,240	North	995	East	San Juan

Latitude 36.66317 Longitude -108.16467 NAD83

NATURE OF RELEASE

Type of Release: none	Volume of Release: unknown	Volume Recovered: N/A
Source of Release: below grade tank - 95 bbl	Date and Hour of Occurrence: n/a	Date and Hour of Discovery: n/a
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Impacted soils were discovered adjacent to the 95 bgt during its removal on 02/23/2018. The source of the release was most likely from the 90 degree fitting and piping of the inspection port. Grab samples were collected at the point of release (4 ft. below grade) and directly below (8 ft. below grade). The lab results at 8 feet recorded total TPH of 35 mg/Kg. Since the impacted soils were minute in quantity (< 1 cubic yard), it was mixed with non impacted soils and became part of the backfill material. The Spill & Release Guidelines ranking criteria was interpreted as thirty (30), giving a TPH closure standard of 100 mg/Kg.

Describe Area Affected and Cleanup Action Taken.*

No further action required. Final laboratory analysis 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: <i>erin garifalos</i>		OIL CONSERVATION DIVISION	
Printed Name: Erin Garifalos		Approved by Environmental Specialist: <i>[Signature]</i>	
Title: Field Environmental Coordinator		Approval Date: 5/31/18	Expiration Date:
E-mail Address: erin.garifalos@bp.com		Conditions of Approval:	Attached <input checked="" type="checkbox"/>
Date: April 19, 2018 Phone: (832) 609-7048			

* Attach Additional Sheets If Necessary

DENIED

BY: Vanessa Fields
DATE: 5/31/18 (505) 334-6178 Ext. 119

See Conditions of Approval
Approved
NVE 1812137578 14

Fields, Vanessa, EMNRD

From: Fields, Vanessa, EMNRD
Sent: Thursday, May 31, 2018 8:33 AM
To: 'Moskal, Steven'
Cc: Smith, Cory, EMNRD
Subject: Conditions of Approval for Gallegos Canyon Unit 235 API# 30-045-11691

Good morning Steve,

Conditions of Approval for Gallegos Canyon Unit 235 API# 30-045-11691:

- Following the NMOCD Guidelines for Remediation's of Leaks, Spills and Releases the remediation's levels for the **Gallegos Canyon Unit 235** soils at the are as follows: 10 mg/kg Benzene, 50 mg/kg BTEX and 100 mg/kg TPH

BP has opted to remediate by dig and haul method, Should BP decide to delineate the following conditions of approval shall become effective.

- BP will fully delineate the release both horizontally and vertically. Boreholes that exceeded 100ppm OVM or exhibit heavy staining and/or apparent hydrocarbon impacts will be considered impacted until sampled.
- Delineation must be completed by June 29, 2018.
- Provide OCD District III office 24 hour notification prior to sampling.
- Horizontal delineation of soil impacts must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C6 thru C36). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C6 thru C36), Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below the sites closure standards must be demonstrated as existing above the water table.
- Composite sampling will not be allowed for delineation.

CLIENT: **BP**

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

API #: **3004511691**
TANK ID (if applicable): **A**

FIELD REPORT:
(circle one): BGT CONFIRMATION / **RELEASE INVESTIGATION** / OTHER:

PAGE #: **1** of **1**

SITE INFORMATION:

SITE NAME: **GCU # 235**
QUAD/UNIT: **H** SEC: **13** TWP: **28N** RNG: **13W** PM: **NM** CNTY: **SJ** ST: **NM**
1/4 -1/4/FOOTAGE: **2,240'N / 995'E** **SE/NE** LEASE TYPE: **FEDERAL** / FEE / INDIAN
LEASE #: **SF078807A** PROD. FORMATION: **DK** CONTRACTOR: **STRIKE BP - J. GONZALES**

DATE STARTED: **02/23/18**
DATE FINISHED:
ENVIRONMENTAL SPECIALIST(S): **NJV**

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.: **36.66333 X 108.16502** GL ELEV.: **5,632'**
1) **95 BGT (SW/DB) - A** GPS COORD.: **36.66317 X 108.16467** DISTANCE/BEARING FROM W.H.: **114', S74.5E**
2) GPS COORD.: DISTANCE/BEARING FROM W.H.:
3) GPS COORD.: DISTANCE/BEARING FROM W.H.:
4) GPS COORD.: DISTANCE/BEARING FROM W.H.:

SAMPLING DATA:

CHAIN OF CUSTODY RECORD(S) # OR LAB USED: **HALL**
1) SAMPLE ID: **GRAB @ 4' (95) - A** SAMPLE DATE: **02/23/18** SAMPLE TIME: **1250** LAB ANALYSIS: **8015B/8021B/300.0 (Cl)** OVM READING (ppm): **1,917**
2) SAMPLE ID: **GRAB @ 8' (95) - A** SAMPLE DATE: **02/23/18** SAMPLE TIME: **1300** LAB ANALYSIS: **8015B/8021B/300.0 (Cl)** **4.7**
3) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:
4) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:
5) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS:

SOIL DESCRIPTION:

SOIL TYPE: **SAND** **SILTY SAND** SILT / SILTY CLAY / CLAY **GRAVEL** OTHER **(imported)**
SOIL COLOR: **MOSTLY DARK YELLOWISH ORANGE**
COHESION (ALL OTHERS): **NON COHESIVE** SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE
CONSISTENCY (NON COHESIVE SOILS): **LOOSE** FIRM / DENSE / VERY DENSE
MOISTURE: DRY / **SLIGHTLY MOIST** MOIST / WET / SATURATED / SUPER SATURATED
SAMPLE TYPE: **GRAB** COMPOSITE - # OF PTS. **NA**
DISCOLORATION/STAINING OBSERVED: **YES** NO EXPLANATION - **GRAY TO BLACK AT NE QUADRANT OF 95 BGT ONLY.**
PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD
HC ODOR DETECTED: **YES** NO EXPLANATION - **DISCOLORED SOILS ONLY.**
ANY AREAS DISPLAYING WETNESS: YES **NO** EXPLANATION -

SITE OBSERVATIONS:

LOST INTEGRITY OF EQUIPMENT: **YES** NO EXPLANATION - **90 DEG. FITTING AT BOTTOM OF BGT INSPECTION PORT.**
APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: **YES** NO EXPLANATION: **HYDROCARBONS PHYSICALLY OBSERVED & DETECTED.**
EQUIPMENT SET OVER RECLAIMED AREA: **YES** NO EXPLANATION - **105 BBL SHALLOW LOW PROFILE ABOVE-GRADE TANK TO BE SET ATOP BGT LOCATION.**
OTHER: **NMOCD OR BLM REPS. NOT PRESENT TO WITNESS CONFIRMATION SAMPLING. IMPORTED GRAVEL AT BASE OF BGT APPROX. 1 FT. THICK.**
IMPACTED SOILS APPEAR RELATIVELY SMALL IN QUANTITY (estimated < 2 cubic yards).
EXCAVATION DIMENSION ESTIMATION: **NA** ft. X **NA** ft. X **NA** ft. EXCAVATION ESTIMATION (Cubic Yards): **NA**
DEPTH TO GROUNDWATER: **<100'** NEAREST WATER SOURCE: **>1,000'** NEAREST SURFACE WATER: **<200'** NMOCD TPH CLOSURE STD: **100** ppm

SITE SKETCH

BGT Located: off **on** site PLOT PLAN circle: **attached**

W.H. ⊕

GRAB SAMPLES

(95) - A PBGTL T.B. ~ 6' B.G.

FENCE

BERM

SEPARATOR

N

X - S.P.D.

MISCELL. NOTES

WO:
REF #: **P-932**
VID: **VHIXONEVB2**
PJ #:
Permit date(s): **06/14/10**
OCD Appr. date(s): **03/07/17**
Tank ID OVM = Organic Vapor Meter ppm = parts per million
A BGT Sidewalls Visible: Y / **(N)**
BGT Sidewalls Visible: Y / N
BGT Sidewalls Visible: Y / N
Magnetic declination: **10° E**

NOTES:

BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA = NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM.
NOTES: **GOOGLE EARTH IMAGERY DATE: 3/15/2015.** ONSITE: **02/23/18**

revised: 11/26/13

BEI1005E-6.SKF

Analytical Report

Lab Order 1802D30

Date Reported: 2/27/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Project: GCU 235

Lab ID: 1802D30-001

Matrix: SOIL

Client Sample ID: Grab @ 4' (95)-A

Collection Date: 2/23/2018 12:50:00 PM

Received Date: 2/24/2018 9:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	2/26/2018 11:21:28 AM	36723
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	3400	75		mg/Kg	20	2/26/2018 10:15:41 AM	G49376
Surr: BFB	102	70-130		%Rec	20	2/26/2018 10:15:41 AM	G49376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	6500	94		mg/Kg	10	2/26/2018 10:37:40 AM	36706
Motor Oil Range Organics (MRO)	1000	470		mg/Kg	10	2/26/2018 10:37:40 AM	36706
Surr: DNOP	0	70-130	S	%Rec	10	2/26/2018 10:37:40 AM	36706
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.37		mg/Kg	20	2/26/2018 10:15:41 AM	R49376
Toluene	ND	0.75		mg/Kg	20	2/26/2018 10:15:41 AM	R49376
Ethylbenzene	2.4	0.75		mg/Kg	20	2/26/2018 10:15:41 AM	R49376
Xylenes, Total	37	1.5		mg/Kg	20	2/26/2018 10:15:41 AM	R49376
Surr: 4-Bromofluorobenzene	93.2	70-130		%Rec	20	2/26/2018 10:15:41 AM	R49376
Surr: Toluene-d8	101	70-130		%Rec	20	2/26/2018 10:15:41 AM	R49376

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical Report

Lab Order 1802D30

Date Reported: 2/27/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: Grab @ 8' (95)-A

Project: GCU 235

Collection Date: 2/23/2018 1:00:00 PM

Lab ID: 1802D30-002

Matrix: SOIL

Received Date: 2/24/2018 9:25:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	2/26/2018 11:33:52 AM	36723
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	2/26/2018 10:38:38 AM	G49376
Surr: BFB	119	70-130		%Rec	1	2/26/2018 10:38:38 AM	G49376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	35	9.8		mg/Kg	1	2/26/2018 11:31:53 AM	36706
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/26/2018 11:31:53 AM	36706
Surr: DNOP	91.6	70-130		%Rec	1	2/26/2018 11:31:53 AM	36706
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Benzene	ND	0.023		mg/Kg	1	2/26/2018 10:38:38 AM	R49376
Toluene	ND	0.045		mg/Kg	1	2/26/2018 10:38:38 AM	R49376
Ethylbenzene	ND	0.045		mg/Kg	1	2/26/2018 10:38:38 AM	R49376
Xylenes, Total	ND	0.090		mg/Kg	1	2/26/2018 10:38:38 AM	R49376
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	2/26/2018 10:38:38 AM	R49376
Surr: Toluene-d8	91.2	70-130		%Rec	1	2/26/2018 10:38:38 AM	R49376

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Chain-of-Custody Record		Turn-Around Time: SAME DAY
Client: BLAGG ENGR. / BP AMERICA	<input type="checkbox"/> Standard	<input checked="" type="checkbox"/> Rush
Mailing Address: P.O. BOX 87	Project Name: GCU # 235	
BLOOMFIELD, NM 87413	Project #:	
Phone #: (505) 632-1199	Project Manager:	
email or Fax#:	ERIN GARIFALOS	
QA/QC Package:		
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Level 4 (Full Validation)	
Accreditation:	Sampler: NELSON VELEZ	
<input type="checkbox"/> NELAP	On Ice: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<input type="checkbox"/> EDD (Type)	Sample Temperature: 0.1	

**SAME
DAY**

☐ Standard

☒ Rush

Project Name:

GCU # 235

Project #:

Project Manager:

ERIN GARIFALOS

Sampler: NELSON VELEZ

On Ice: ☒ Yes

Sample Temperature: 0.4

[illegible]

Date: 2/23/18	Time: 1525	Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date 2/23/18	Time 1525	Remarks: <u>BILL DIRECTLY TO BP USING THE CONTACT WITH CORRESPONDING VID & REFERENCE # WHEN APPLICABLE;</u> CONTACT: ERIN GARIFALOS / VANCE HIXON VID: VHIXONEVRM Reference # <u>P - 932</u>
Date: 2/23/18	Time: 1810	Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i> Cowler	Date 2/24/18	Time 925	

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.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1802D30

27-Feb-18

Client: Blagg Engineering

Project: GCU 235

Sample ID	MB-36723	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	36723	RunNo:	49384					
Prep Date:	2/26/2018	Analysis Date:	2/26/2018	SeqNo:	1595313	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-36723	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	36723	RunNo:	49384					
Prep Date:	2/26/2018	Analysis Date:	2/26/2018	SeqNo:	1595314	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.6	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
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1802D30

27-Feb-18

Client: Blagg Engineering

Project: GCU 235

Sample ID	LCS-36706	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID: 36706			RunNo: 49373					
Prep Date:	2/26/2018	Analysis Date: 2/26/2018			SeqNo: 1594363		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	91.4	70	130			
Surr: DNOP	4.6		5.000		92.4	70	130			

Sample ID	MB-36706	SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics				
Client ID:	PBS	Batch ID:	36706		RunNo:	49373				
Prep Date:	2/26/2018	Analysis Date:	2/26/2018		SeqNo:	1594364	Units:	mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		100	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1802D30

27-Feb-18

Client: Blagg Engineering

Project: GCU 235

Sample ID	100ng lcs	SampType:	LCS4	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	BatchQC	Batch ID:	R49376	RunNo:	49376					
Prep Date:		Analysis Date:	2/26/2018	SeqNo:	1594398	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.8	80	120			
Toluene	0.94	0.050	1.000	0	94.4	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.9	80	120			
Surr: 4-Bromofluorobenzene	0.45		0.5000		90.2	70	130			
Surr: Toluene-d8	0.49		0.5000		97.1	70	130			

Sample ID	rb	SampType:	MBLK	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	PBS	Batch ID:	R49376	RunNo:	49376					
Prep Date:		Analysis Date:	2/26/2018	SeqNo:	1594406	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	0.51		0.5000		102	70	130			
Surr: Toluene-d8	0.48		0.5000		95.2	70	130			

Sample ID	1802d30-002ams	SampType:	MS4	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	Grab @ 8' (95)-A	Batch ID:	R49376	RunNo:	49376					
Prep Date:		Analysis Date:	2/26/2018	SeqNo:	1594809	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.023	0.9017	0	88.2	80	120			
Toluene	0.80	0.045	0.9017	0	89.1	80	120			
Ethylbenzene	0.78	0.045	0.9017	0	86.5	80	120			
Xylenes, Total	2.5	0.090	2.705	0.02445	91.1	80	120			
Surr: 4-Bromofluorobenzene	0.42		0.4508		92.1	70	130			
Surr: Toluene-d8	0.41		0.4508		90.9	70	130			

Sample ID	1802d30-002amsd	SampType:	MSD4	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	Grab @ 8' (95)-A	Batch ID:	R49376	RunNo:	49376					
Prep Date:		Analysis Date:	2/26/2018	SeqNo:	1594810	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.023	0.9017	0	88.1	80	120	0.121	0	
Toluene	0.82	0.045	0.9017	0	90.4	80	120	1.49	0	
Ethylbenzene	0.82	0.045	0.9017	0	91.3	80	120	5.44	0	
Xylenes, Total	2.4	0.090	2.705	0.02445	88.1	80	120	3.35	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1802D30

27-Feb-18

Client: Blagg Engineering

Project: GCU 235

Sample ID	1802d30-002amsd	SampType:	MSD4	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	Grab @ 8' (95)-A	Batch ID:	R49376	RunNo:	49376					
Prep Date:		Analysis Date:	2/26/2018	SeqNo:	1594810	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.43		0.4508		95.1	70	130	0	0	
Surr: Toluene-d8	0.42		0.4508		93.6	70	130	0	0	

Sample ID	lcs-36666	SampType:	LCS4	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	BatchQC	Batch ID:	36666	RunNo:	49376					
Prep Date:	2/22/2018	Analysis Date:	2/26/2018	SeqNo:	1594812	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.1	70	130			
Surr: Toluene-d8	0.47		0.5000		93.4	70	130			

Sample ID	mb-36666	SampType:	MBLK	TestCode:	EPA Method 8260B: Volatiles Short List					
Client ID:	PBS	Batch ID:	36666	RunNo:	49376					
Prep Date:	2/22/2018	Analysis Date:	2/26/2018	SeqNo:	1594813	Units:	%Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.56		0.5000		112	70	130			
Surr: Toluene-d8	0.47		0.5000		93.4	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
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1802D30

27-Feb-18

Client: Blagg Engineering

Project: GCU 235

Sample ID	2.5ug gro lcs	SampType:	LCS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	LCSS	Batch ID:	G49376	RunNo:	49376					
Prep Date:		Analysis Date:	2/26/2018	SeqNo:	1594393	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	114	70	130			
Surr: BFB	510		500.0		102	70	130			

Sample ID	rb	SampType:	MBLK	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	PBS	Batch ID:	G49376	RunNo:	49376					
Prep Date:		Analysis Date:	2/26/2018	SeqNo:	1594394	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	550		500.0		110	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Value above quantitation range
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Detection Limit
S % Recovery outside of range due to dilution or matrix	W Sample container temperature is out of limit as specified



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: 1802D30

RcptNo: 1

Received By: Isaiah Ortiz

2/24/2018 9:25:00 AM

IO

Completed By: Anne Thorne

2/26/2018 7:23:13 AM

Anne Thorne

Reviewed By:

IO

2/26/18

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. 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)

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

Person Notified:

IV

Date

By Whom:

A

Via:

☐ eMail

☒ Phone

☐ Fax

☐ In Person

Regarding:

Sample ID

Client Instructions:

Use Sample ID on Sample Jar

16. Additional remarks:

At 02/26/18

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.4	Good	Yes			

Fields, Vanessa, EMNRD

From: Moskal, Steven <Steven.Moskal@bp.com>
Sent: Wednesday, May 16, 2018 8:31 AM
To: Fields, Vanessa, EMNRD; Garifalos, Erin
Cc: Smith, Cory, EMNRD
Subject: RE: GCU 235 BGT removal

Vanessa,

We plan to move here following the completion of the Leeper GC 001 excavation. We will plan to dig and haul.

Steve Moskal

BP Lower 48 – San Juan

Field Environmental Coordinator

Phone: (505) 330-9179



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From: Fields, Vanessa, EMNRD [mailto:Vanessa.Fields@state.nm.us]
Sent: Tuesday, May 15, 2018 7:54 AM
To: Garifalos, Erin
Cc: Moskal, Steven; Smith, Cory, EMNRD
Subject: GCU 235 BGT removal

Good morning Erin,

From our previous conversation the BGT that was removed from service on the GCU 235 on 2/23/2018 the impacted soil that was left in place will need to be disposed of at an OCD approved Landfarm.

Please let me know when this will be scheduled.

Thank you,

Vanessa Fields
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 119
Cell: (505) 419-0463
vanessa.fields@state.nm.us