

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 FLORANCE H 037	Facility Type: Natural Gas Well	
Surface Owner: Federal	Mineral Owner: Federal	API No. 3004560189

LOCATION OF RELEASE

Unit Letter H	Section 06	Township 30N	Range 08W	Feet from the 1,650	North/South Line North	Feet from the 990	East/West Line East	County San Juan
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Latitude 36.842885 Longitude -107.711479 NAD83

NATURE OF RELEASE

Type of Release: : none	Volume of Release: : unknown	Volume Recovered: : N/A
Source of Release: below grade tank - 21 bbl	Date and Hour of Occurrence: n/a	Date and Hour of Discovery: n/a
Was Immediate Notice Given? <input type="checkbox"/> Yes <input 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 type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

OIL CONS. DIV DIST. 3

DEC 22 2017

Describe Cause of Problem and Remedial Action Taken.* Sampling of the soil beneath the BGT was done during removal. Impacted soils/bedrock were physically observed/detected. An additional 3 point composite sample was collected at the northern quadrant area the same day as confirmation sampling. Soil analysis resulted for elevated TPH. Per spill and release guidelines, TPH for this location is 1,000 ppm; therefor no further action required. Field reports and laboratory results are attached.

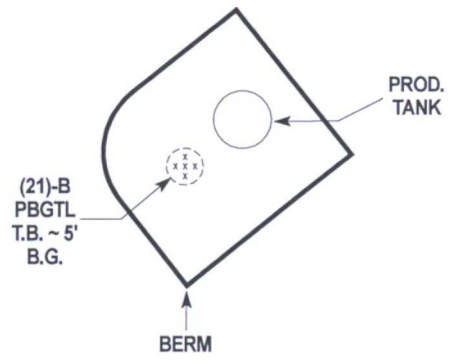
Describe Area Affected and Cleanup Action Taken.* Following the spill and release guidelines, no further action required. Final laboratory analysis determined no remedial action is required.

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: <i>12/22/2017</i>	Expiration Date:
E-mail Address: erin.garifalos@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: November 27 2017	Phone: (832) 609-7048	

* Attach Additional Sheets If Necessary

NVF 1735542081

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004560189 TANK ID (if applicable): B
FIELD REPORT: (circle one): <input checked="" type="checkbox"/> BGT CONFIRMATION / <input type="checkbox"/> RELEASE INVESTIGATION / <input type="checkbox"/> OTHER:		PAGE #: 1 of 1
SITE INFORMATION: SITE NAME: FLORANCE H # 37 QUAD/UNIT: H SEC: 6 TWP: 30N RNG: 8W PM: NM CNTY: SJ ST: NM 1/4 -1/4/FOOTAGE: 1,650'N / 990'E SE/NE LEASE TYPE: <input checked="" type="checkbox"/> FEDERAL / <input type="checkbox"/> STATE / <input type="checkbox"/> FEE / <input type="checkbox"/> INDIAN LEASE #: NM09717 PROD. FORMATION: MV CONTRACTOR: BP - J. GONZALES		DATE STARTED: 09/25/17 DATE FINISHED: ENVIRONMENTAL SPECIALIST(S): NJV
REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: 36.842835 X 107.711091 GL ELEV.: 6,074' 1) 21 BGT (SW/DB) - B GPS COORD.: 36.842885 X 107.711479 DISTANCE/BEARING FROM W.H.: 115', N81W 2) PRODUCTION TANK GPS COORD.: 36.842926 X 107.711447 DISTANCE/BEARING FROM W.H.: 109.5', N72W 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: 5PC - TB @ 7.5' (21)-B SAMPLE DATE: 09/25/17 SAMPLE TIME: 1325 LAB ANALYSIS: 8015B/8021B/300.0 (Cl) 2) SAMPLE ID: 3PC - NSWG @ 2'-5' (21)-B SAMPLE DATE: 09/25/17 SAMPLE TIME: 1355 LAB ANALYSIS: 8015B/8021B/300.0 (Cl) 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:		OMV READING (ppm) 17.0 11,866
SOIL DESCRIPTION: SOIL TYPE: <input checked="" type="checkbox"/> SAND / <input checked="" type="checkbox"/> SILTY SAND / <input type="checkbox"/> SILT / <input type="checkbox"/> SILTY CLAY / <input type="checkbox"/> CLAY / <input type="checkbox"/> GRAVEL / <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> BEDROCK (SANDSTONE) SOIL COLOR: MOSTLY DARK YELLOWISH ORANGE PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC COHESION (ALL OTHERS): <input checked="" type="checkbox"/> NON COHESIVE / <input type="checkbox"/> SLIGHTLY COHESIVE / <input type="checkbox"/> COHESIVE / <input type="checkbox"/> HIGHLY COHESIVE DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD CONSISTENCY (NON COHESIVE SOILS): LOOSE / <input checked="" type="checkbox"/> FIRM / DENSE / <input type="checkbox"/> VERY DENSE HC ODOR DETECTED: <input checked="" type="checkbox"/> YES / <input type="checkbox"/> NO EXPLANATION - DISCOLORED SOIL/SANDSTONE (north corner sidewall only). MOISTURE: <input checked="" type="checkbox"/> DRY / <input type="checkbox"/> SLIGHTLY MOIST / <input type="checkbox"/> MOIST / <input type="checkbox"/> WET / <input type="checkbox"/> SATURATED / <input type="checkbox"/> SUPER SATURATED SAMPLE TYPE: GRAB / <input checked="" type="checkbox"/> COMPOSITE - # OF PTS. 3 & 5 ANY AREAS DISPLAYING WETNESS: YES / NO EXPLANATION - DISCOLORATION/STAINING OBSERVED: <input checked="" type="checkbox"/> YES / <input type="checkbox"/> NO EXPLANATION - VARYING SHADES OF GRAY, MINOR AMOUNT DARK GRAY TO BLACK.		
SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES / <input checked="" type="checkbox"/> NO EXPLANATION - APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: <input checked="" type="checkbox"/> YES / <input type="checkbox"/> NO EXPLANATION: NORTH CORNER SIDEWALL ONLY. EQUIPMENT SET OVER RECLAIMED AREA: YES / NO EXPLANATION - OTHER: NMOCED REP. PRESENT TO WITNESS SAMPLING OF 21 BGT. BEDROCK - HARD, FRIABLE STARTS 2'-3' BELOW GRADE AT 21 BGT. GPS COORDINATES OBTAIN USING GOOGLE EARTH PRO. 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: <1,000' NMOCED TPH CLOSURE STD: 1,000 ppm		
SITE SKETCH BGT Located: off / <input checked="" type="checkbox"/> on site PLOT PLAN circle: attached 		OVM CALIB. READ. = 100.0 ppm RF=1.00 OVM CALIB. GAS = 100 ppm TIME: 2:05 am/pm DATE: 09/25/17
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.		MISCELL. NOTES WO: REF #: P-863 VID: VHIXONEV11 PJ #: Permit date(s): 06/10/10 OCD Appr. date(s): 07/02/17 Tank ID: B OVM = Organic Vapor Meter ppm = parts per million BGT Sidewalls Visible: Y / <input checked="" type="checkbox"/> N BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E
NOTES: GOOGLE EARTH IMAGERY DATE: 10/5/2016. ONSITE: 09/25/17		

Analytical Report

Lab Order 1709E11

Date Reported: 9/29/2017

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Blagg Engineering**Project:** FLORANCE H #37**Lab ID:** 1709E11-002**Matrix:** SOIL**Client Sample ID:** 5PC-TB @ 7.5' (21)-B**Collection Date:** 9/25/2017 1:25:00 PM**Received Date:** 9/26/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	9/26/2017 10:39:45 AM	34063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/26/2017 9:41:44 AM	34069
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/26/2017 9:41:44 AM	34069
Surr: DNOP	100	70-130		%Rec	1	9/26/2017 9:41:44 AM	34069
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	9/26/2017 10:20:42 AM	34054
Surr: BFB	110	54-150		%Rec	1	9/26/2017 10:20:42 AM	34054
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.022		mg/Kg	1	9/26/2017 10:20:42 AM	34054
Toluene	ND	0.043		mg/Kg	1	9/26/2017 10:20:42 AM	34054
Ethylbenzene	ND	0.043		mg/Kg	1	9/26/2017 10:20:42 AM	34054
Xylenes, Total	ND	0.087		mg/Kg	1	9/26/2017 10:20:42 AM	34054
Surr: 4-Bromofluorobenzene	115	66.6-132		%Rec	1	9/26/2017 10:20:42 AM	34054

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 1709E12

Date Reported: 9/29/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Project: FLORANCE H #37

Lab ID: 1709E12-001

Matrix: SOIL

Client Sample ID: 3PC-NSWC @ 2'-5' (21)-B

Collection Date: 9/25/2017 1:55:00 PM

Received Date: 9/26/2017 7:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	9/26/2017 10:52:08 AM	34063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	11	9.3		mg/Kg	1	9/26/2017 10:06:11 AM	34069
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/26/2017 10:06:11 AM	34069
Surr: DNOP	99.7	70-130		%Rec	1	9/26/2017 10:06:11 AM	34069
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	58	21		mg/Kg	5	9/26/2017 10:44:24 AM	34054
Surr: BFB	171	54-150	S	%Rec	5	9/26/2017 10:44:24 AM	34054
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.10		mg/Kg	5	9/26/2017 10:44:24 AM	34054
Toluene	ND	0.21		mg/Kg	5	9/26/2017 10:44:24 AM	34054
Ethylbenzene	ND	0.21		mg/Kg	5	9/26/2017 10:44:24 AM	34054
Xylenes, Total	2.7	0.42		mg/Kg	5	9/26/2017 10:44:24 AM	34054
Surr: 4-Bromofluorobenzene	120	66.6-132		%Rec	5	9/26/2017 10:44:24 AM	34054

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

[illegible]

Chain-of-Custody Record

Client: **BLAGG ENGR. / BP AMERICA**

Mailing Address: **P.O. BOX 87**

BLOOMFIELD, NM 87413

Phone #: **(505) 632-1199**

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation:

☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard

☒ Rush DAY

Project Name:

FLORANCE H # 37

Project #:

Project Manager:

NELSON VELEZ

Sampler:

NELSON VELEZ

On ice

☒ Yes

☐ No

Sample Temperature

Container Type and #

Preservative Type

HEAL No.

12091612

BTEX + MTBE + TPH (8021B)

BTEX + MTBE + TPH (Gas only)

TPH 8015B (GRO / DRO / MRO)

TPH (Method 418.1)

EDB (Method 504.1)

PAH (8310 or 8270SIMS)

RCRA 8 Metals

Anions (F,Cl,NO₃,NO₂,PO₄,SO₄)

8081 Pesticides / 8082 PCB's

8260B (VOA)

8270 (Semi-VOA)

Chloride (soil - 300.0 / water - 300.1)

Grab sample

pt. composite sample



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenviromental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date:	Time:	Remarks:
9/25/17	1711	<i>[Signature]</i>	<i>[Signature]</i>	9/25/17	1711	CONTACT: ERIN GARFALOS / VANCE HIXON VID: VHIXONEVRM
9/25/17	1757	<i>[Signature]</i>	<i>[Signature]</i>	9/25/17	1711	Reference # P-863

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1709E11

29-Sep-17

Client: Blagg Engineering

Project: FLORANCE H #37

Sample ID	MB-34063	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	34063	RunNo:	45881					
Prep Date:	9/25/2017	Analysis Date:	9/26/2017	SeqNo:	1459275	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-34063	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	34063	RunNo:	45881					
Prep Date:	9/25/2017	Analysis Date:	9/26/2017	SeqNo:	1459276	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.2	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
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#: 1709E11

29-Sep-17

Client: Blagg Engineering

Project: FLORANCE H #37

Sample ID	LCS-34069		SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS		Batch ID: 34069		RunNo: 45872					
Prep Date:	9/26/2017		Analysis Date: 9/26/2017		SeqNo: 1457748		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	89.4	73.2	114			
Surr: DNOP	4.7		5.000		94.8	70	130			

Sample ID	MB-34069	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID: 34069			RunNo: 45872					
Prep Date:	9/26/2017	Analysis Date: 9/26/2017			SeqNo: 1457749		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.3	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#: 1709E11

29-Sep-17

Client: Blagg Engineering

Project: FLORANCE H #37

Sample ID	MB-34054	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	34054	RunNo:	45888					
Prep Date:	9/25/2017	Analysis Date:	9/26/2017	SeqNo:	1458653	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		110	54	150			

Sample ID	LCS-34054	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	34054	RunNo:	45888					
Prep Date:	9/25/2017	Analysis Date:	9/26/2017	SeqNo:	1458654	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	95.5	76.4	125			
Surr: BFB	1200		1000		117	54	150			

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#: 1709E11

29-Sep-17

Client: Blagg Engineering

Project: FLORANCE H #37

Sample ID	MB-34054		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	34054		RunNo:	45888			
Prep Date:	9/25/2017		Analysis Date:	9/26/2017		SeqNo:	1458669		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	1.2		1.000		120	66.6	132			

Sample ID	LCS-34054		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	34054		RunNo:	45888			
Prep Date:	9/25/2017		Analysis Date:	9/26/2017		SeqNo:	1458670		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	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	113	80	120			
Xylenes, Total	3.4	0.10	3.000	0	114	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		122	66.6	132			

Qualifiers:

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

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



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

Sample Log-In Check List

Client Name: BLAGG

Work Order Number: 1709E11

RcptNo: 1

Received By: Anne Thorne 9/26/2017 7:16:00 AM

Completed By: Anne Thorne 9/26/2017 7:20:00 AM

Reviewed By: SKL 09/26/17

Anne Thorne

Anne Thorne

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

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

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1709E12

29-Sep-17

Client: Blagg Engineering

Project: FLORANCE H #37

Sample ID	MB-34063	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	34063	RunNo:	45881					
Prep Date:	9/25/2017	Analysis Date:	9/26/2017	SeqNo:	1459275	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-34063	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	34063	RunNo:	45881					
Prep Date:	9/25/2017	Analysis Date:	9/26/2017	SeqNo:	1459276	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.2	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
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#: 1709E12

29-Sep-17

Client: Blagg Engineering

Project: FLORANCE H #37

Sample ID	LCS-34069		SampType:	LCS		TestCode:	EPA Method 8015M/D: Diesel Range Organics			
Client ID:	LCSS		Batch ID:	34069		RunNo:	45872			
Prep Date:	9/26/2017		Analysis Date:	9/26/2017		SeqNo:	1457748		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	89.4	73.2	114			
Surr: DNOP	4.7		5.000		94.8	70	130			

Sample ID	MB-34069		SampType:	MBLK		TestCode:	EPA Method 8015M/D: Diesel Range Organics			
Client ID:	PBS		Batch ID:	34069		RunNo:	45872			
Prep Date:	9/26/2017		Analysis Date:	9/26/2017		SeqNo:	1457749		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.3	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#: 1709E12

29-Sep-17

Client: Blagg Engineering

Project: FLORANCE H #37

Sample ID	MB-34054		SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS		Batch ID: 34054		RunNo: 45888					
Prep Date:	9/25/2017		Analysis Date: 9/26/2017		SeqNo: 1458653		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		110	54	150			

Sample ID	LCS-34054		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 34054		RunNo: 45888					
Prep Date:	9/25/2017		Analysis Date: 9/26/2017		SeqNo: 1458654		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	95.5	76.4	125			
Surr: BFB	1200		1000		117	54	150			

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#: 1709E12

29-Sep-17

Client: Blagg Engineering

Project: FLORANCE H #37

Sample ID	MB-34054		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	34054		RunNo:	45888			
Prep Date:	9/25/2017		Analysis Date:	9/26/2017		SeqNo:	1458669		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	1.2		1.000		120	66.6	132			

Sample ID	LCS-34054		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	34054		RunNo:	45888			
Prep Date:	9/25/2017		Analysis Date:	9/26/2017		SeqNo:	1458670		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	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	113	80	120			
Xylenes, Total	3.4	0.10	3.000	0	114	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		122	66.6	132			

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: 1709E12

RcptNo: 1

Received By: Anne Thorne

9/26/2017 7:15:00 AM

Anne Thorne

Completed By: Anne Thorne

9/26/2017 7:25:18 AM

Anne Thorne

Reviewed By: *SRE 09/26/17*

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

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

Person Notified:	_____	Date	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

17. Additional remarks:

18. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

