

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 PRITCHARD B 005	Facility Type: Natural Gas Well

Surface Owner: Federal	Mineral Owner: Federal	API No. 3004527397
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LOCATION OF RELEASE

Unit Letter L	Section 34	Township 31N	Range 09W	Feet from the 1,840	North/South Line South	Feet from the 1,175	East/West Line West	County San Juan
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Latitude 36.852376 Longitude -107.773030 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.* Sampling of the soil beneath the BGT was done during removal. Soil analysis resulted for Chlorides, BTEX, and TPH below BGT closure standards, except TPH. Subsequent sampling done at 10' was below laboratory detection limits. Field reports and laboratory results are attached.		
Describe Area Affected and Cleanup Action Taken.* No further action necessary. Final laboratory analysis determined no remedial action is required.		

OIL CONS. DIV DIST. 3

NOV 07 2017

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: 11/7/17	Expiration Date:
E-mail Address: erin.garifalos@bp.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: October 31, 2017 Phone: (832) 609-7048		

* Attach Additional Sheets If Necessary

NES1724842576

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CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004527397 TANK ID (if applicable): A
FIELD REPORT: (circle one): BGT CONFIRMATION / <u>RELEASE INVESTIGATION</u> / OTHER:		PAGE #: 1 of 1
SITE INFORMATION: SITE NAME: PRITCHARD B #5 QUAD/UNIT: L SEC: 34 TWP: 31N RNG: 9W PM: NM CNTY: SJ ST: NM 1/4 -1/4/FOOTAGE: 1,840'S / 1,175'W NW/SW LEASE TYPE: <u>FEDERAL</u> / STATE / FEE / INDIAN LEASE #: NM013686 PROD. FORMATION: FT CONTRACTOR: -		DATE STARTED: 09/12/17 DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST(S): JCB
REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: 36.85280 X 107.77311 GL ELEV.: 6,211' 1) 95 BGT (SW/DB) GPS COORD.: 36.852376 X 107.773030 DISTANCE/BEARING FROM W.H.: 116.5', S5.5E 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		OVM READING (ppm)
1) SAMPLE ID: HA1 @ 95 BGT : 5'-6.5' SAMPLE DATE: 09/12/17 SAMPLE TIME: 0825 LAB ANALYSIS: 8015B/8021B/300.0 (CI) 2) SAMPLE ID: HA1 @ 95 BGT : 6.5'-8.5' SAMPLE DATE: 09/12/17 SAMPLE TIME: 0832 LAB ANALYSIS: 8015B/8021B/300.0 (CI) 3) SAMPLE ID: HA1 @ 95 BGT : 8.5'-10' SAMPLE DATE: 09/12/17 SAMPLE TIME: 0840 LAB ANALYSIS: 8015B/8021B/300.0 (CI) 4) SAMPLE ID: HA1 @ 95 BGT : 10.5' SAMPLE DATE: 09/12/17 SAMPLE TIME: 0845 LAB ANALYSIS: 8015B/8021B/300.0 (CI) 5) SAMPLE ID: _____ SAMPLE DATE: _____ SAMPLE TIME: _____ LAB ANALYSIS: _____		NA NA NA NA NA
SOIL DESCRIPTION: SOIL TYPE: <u>SAND</u> / <u>SILTY SAND</u> / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____ SOIL COLOR: MODERATE BROWN COHESION (ALL OTHERS): <u>NON COHESIVE</u> / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE / <u>FIRM</u> / DENSE / VERY DENSE MOISTURE: DRY / <u>SLIGHTLY MOIST</u> / MOIST / WET / SATURATED / SUPER SATURATED SAMPLE TYPE: GRAB / <u>COMPOSITE</u> # OF PTS. 5 DISCOLORATION/STAINING OBSERVED: YES <u>NO</u> EXPLANATION - _____ 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 <u>NO</u> EXPLANATION - _____ ANY AREAS DISPLAYING WETNESS: YES <u>NO</u> EXPLANATION - _____		
SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES <u>NO</u> EXPLANATION - _____ APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES <u>NO</u> EXPLANATION: _____ EQUIPMENT SET OVER RECLAIMED AREA: <u>YES</u> / NO EXPLANATION - 105 BBL SHALLOW LOW PROFILE ABOVE-GRADE TANK TO BE SET ATOP BGT LOCATION. OTHER: _____		
EXCAVATION DIMENSION ESTIMATION: <u>NA</u> ft. X <u>NA</u> ft. X <u>NA</u> ft. EXCAVATION ESTIMATION (Cubic Yards): <u>NA</u> DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: >1,000' NMOC DTPH CLOSURE STD: 5,000 ppm		
SITE SKETCH BGT Located : off / <u>on</u> site PLOT PLAN circle: <u>attached</u>		
		OVM CALIB. READ. = <u>NA</u> ppm RF=1.00 OVM CALIB. GAS = <u>NA</u> ppm TIME: <u>NA</u> am/pm DATE: <u>NA</u>
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; PBGT = 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-842 VID: VHIXONEVB2 PJ #: Permit date(s): 06/02/10 OCD Appr. date(s): 01/31/17 Tank ID: A OVM = Organic Vapor Meter ppm = parts per million BGT Sidewalls Visible: Y / <u>(N)</u> BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E
NOTES: GOOGLE EARTH IMAGERY DATE: 10/5/2016. ONSITE: 08/31/17, 09/12/17		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1709A38

Date Reported: 9/29/2017

CLIENT: Blagg Engineering

Client Sample ID: HA1 @ 95 BGT : 5'-6.5'

Project: PRITCHARD B 5

Collection Date: 9/12/2017 8:25:00 AM

Lab ID: 1709A38-001

Matrix: SOIL

Received Date: 9/19/2017 8:45:00 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 3:50:00 PM	34063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/22/2017 4:59:46 PM	34002
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/22/2017 4:59:46 PM	34002
Surr: DNOP	92.0	70-130		%Rec	1	9/22/2017 4:59:46 PM	34002
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/22/2017 12:00:19 PM	33985
Surr: BFB	107	54-150		%Rec	1	9/22/2017 12:00:19 PM	33985
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	9/22/2017 12:00:19 PM	33985
Toluene	ND	0.048		mg/Kg	1	9/22/2017 12:00:19 PM	33985
Ethylbenzene	ND	0.048		mg/Kg	1	9/22/2017 12:00:19 PM	33985
Xylenes, Total	ND	0.097		mg/Kg	1	9/22/2017 12:00:19 PM	33985
Surr: 4-Bromofluorobenzene	122	66.6-132		%Rec	1	9/22/2017 12:00:19 PM	33985

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

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1709A38

Date Reported: 9/29/2017

CLIENT: Blagg Engineering**Client Sample ID:** HA1 @ 95 BGT: 6.5'-8.5'**Project:** PRITCHARD B 5**Collection Date:** 9/12/2017 8:32:00 AM**Lab ID:** 1709A38-002**Matrix:** SOIL**Received Date:** 9/19/2017 8:45:00 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 4:02:24 PM	34063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/22/2017 5:28:28 PM	34002
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/22/2017 5:28:28 PM	34002
Surr: DNOP	91.4	70-130		%Rec	1	9/22/2017 5:28:28 PM	34002
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/22/2017 12:23:47 PM	33985
Surr: BFB	104	54-150		%Rec	1	9/22/2017 12:23:47 PM	33985
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	9/22/2017 12:23:47 PM	33985
Toluene	ND	0.049		mg/Kg	1	9/22/2017 12:23:47 PM	33985
Ethylbenzene	ND	0.049		mg/Kg	1	9/22/2017 12:23:47 PM	33985
Xylenes, Total	ND	0.098		mg/Kg	1	9/22/2017 12:23:47 PM	33985
Surr: 4-Bromofluorobenzene	120	66.6-132		%Rec	1	9/22/2017 12:23:47 PM	33985

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

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1709A38

Date Reported: 9/29/2017

CLIENT: Blagg Engineering**Client Sample ID:** HA1 @ 95 BGT: 8.5'-10'**Project:** PRITCHARD B 5**Collection Date:** 9/12/2017 8:40:00 AM**Lab ID:** 1709A38-003**Matrix:** SOIL**Received Date:** 9/19/2017 8:45:00 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 4:14:49 PM	34063
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/22/2017 5:57:37 PM	34002
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/22/2017 5:57:37 PM	34002
Surr: DNOP	89.8	70-130		%Rec	1	9/22/2017 5:57:37 PM	34002
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/22/2017 12:47:07 PM	33985
Surr: BFB	107	54-150		%Rec	1	9/22/2017 12:47:07 PM	33985
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	9/22/2017 12:47:07 PM	33985
Toluene	ND	0.049		mg/Kg	1	9/22/2017 12:47:07 PM	33985
Ethylbenzene	ND	0.049		mg/Kg	1	9/22/2017 12:47:07 PM	33985
Xylenes, Total	ND	0.097		mg/Kg	1	9/22/2017 12:47:07 PM	33985
Surr: 4-Bromofluorobenzene	120	66.6-132		%Rec	1	9/22/2017 12:47:07 PM	33985

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

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1709635

Date Reported: 9/18/2017

CLIENT: Blagg Engineering**Client Sample ID:** HA#1 @ 95 BGT @ 10.5'**Project:** Pritchard B 5**Collection Date:** 9/12/2017 8:45:00 AM**Lab ID:** 1709635-001**Matrix:** SOIL**Received Date:** 9/13/2017 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	30		mg/Kg	20	9/15/2017 9:35:26 AM	33876
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/14/2017 10:37:58 AM	33824
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/14/2017 10:37:58 AM	33824
Surr: DNOP	103	70-130		%Rec	1	9/14/2017 10:37:58 AM	33824
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/14/2017 12:34:33 PM	33846
Surr: BFB	97.0	54-150		%Rec	1	9/14/2017 12:34:33 PM	33846
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	9/14/2017 12:34:33 PM	33846
Toluene	ND	0.046		mg/Kg	1	9/14/2017 12:34:33 PM	33846
Ethylbenzene	ND	0.046		mg/Kg	1	9/14/2017 12:34:33 PM	33846
Xylenes, Total	ND	0.092		mg/Kg	1	9/14/2017 12:34:33 PM	33846
Surr: 4-Bromofluorobenzene	107	66.6-132		%Rec	1	9/14/2017 12:34:33 PM	33846

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

Client: BP AMERICA

Blade Engineering Inc.

Mailing Address:

Phone #: 505-320-1183

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Project Name: PRITCHARD B 5

Project #:	
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Project Manager:
STEVE MOSKAL

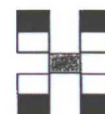
Sampler: JEFF BLA66

On Ice: ☒ Yes ☐ No

Sample Temperature: 2-8

[illegible]

Date: 9/12/17	Time: 0945	Relinquished by: Jeff Blegg	Received by: Christine Waelles	Date: 9/12/17	Time: 0945	Remarks: Bill BP VID: VHIX0NEUBZ REF: P-842
Date: 9/12/17	Time: 1754	Relinquished by: Christine Waelles	Received by: [Signature]	Date: 9/13/17	Time: 0800	



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

	X	BTEX + MTBE + TMB's (8021)
		BTEX + MTBE + TPH (Gas only)
	X	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)
	X	CHLORINE
		Air Bubbles (Y or N)

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#: 1709635

18-Sep-17

Client: Blagg Engineering

Project: Pritchard B 5

Sample ID	MB-33876		SampType:	mbk		TestCode:	EPA Method 300.0: Anions				
Client ID:	PBS		Batch ID:	33876		RunNo:	45653				
Prep Date:	9/14/2017		Analysis Date:	9/15/2017		SeqNo:	1450182		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID	LCS-33876		SampType:	lcs		TestCode:	EPA Method 300.0: Anions				
Client ID:	LCSS		Batch ID:	33876		RunNo:	45653				
Prep Date:	9/14/2017		Analysis Date:	9/15/2017		SeqNo:	1450183		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. | 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#: 1709635

18-Sep-17

Client: Blagg Engineering

Project: Pritchard B 5

Sample ID	LCS-33824		SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics				
Client ID:	LCSS		Batch ID: 33824			RunNo: 45619				
Prep Date:	9/12/2017		Analysis Date: 9/14/2017			SeqNo: 1447143		Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.0	73.2	114			
Surr: DNOP	4.7		5.000		94.3	70	130			

Sample ID	MB-33824	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID: 33824			RunNo: 45619					
Prep Date:	9/12/2017	Analysis Date: 9/14/2017			SeqNo: 1447144		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	9.8		10.00		98.0	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 |
| 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#: 1709635

18-Sep-17

Client: Blagg Engineering

Project: Pritchard B 5

Sample ID	MB-33846		SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range			
Client ID:	PBS		Batch ID:	33846		RunNo:	45633			
Prep Date:	9/13/2017		Analysis Date:	9/14/2017		SeqNo:	1448233	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		102	54	150			

Sample ID	LCS-33846		SampType:	LCS		TestCode:	EPA Method 8015D: Gasoline Range			
Client ID:	LCSS		Batch ID:	33846		RunNo:	45633			
Prep Date:	9/13/2017		Analysis Date:	9/14/2017		SeqNo:	1448234	Units:	mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	76.4	125			
Surr: BFB	1100		1000		112	54	150			

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#: 1709635

18-Sep-17

Client: Blagg Engineering

Project: Pritchard B 5

Sample ID	MB-33846		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	33846		RunNo:	45633			
Prep Date:	9/13/2017		Analysis Date:	9/14/2017		SeqNo:	1448276		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		114	66.6	132			

Sample ID	LCS-33846		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	33846		RunNo:	45633			
Prep Date:	9/13/2017		Analysis Date:	9/14/2017		SeqNo:	1448277		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.2	0.10	3.000	0	106	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		113	66.6	132			

Sample ID	1709635-001AMS		SampType:	MS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	HA#1 @ 95 BGT @ 1		Batch ID:	33846		RunNo:	45633			
Prep Date:	9/13/2017		Analysis Date:	9/14/2017		SeqNo:	1448284		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9785	0	114	80.9	132			
Toluene	1.1	0.049	0.9785	0	113	79.8	136			
Ethylbenzene	1.1	0.049	0.9785	0	117	79.4	140			
Xylenes, Total	3.5	0.098	2.935	0	119	78.5	142			
Surr: 4-Bromofluorobenzene	1.1		0.9785		108	66.6	132			

Sample ID	1709635-001AMSD		SampType:	MSD		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	HA#1 @ 95 BGT @ 1		Batch ID:	33846		RunNo:	45633			
Prep Date:	9/13/2017		Analysis Date:	9/14/2017		SeqNo:	1448285		Units: mg/Kg	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9823	0	113	80.9	132	0.323	20	
Toluene	1.1	0.049	0.9823	0	111	79.8	136	1.13	20	
Ethylbenzene	1.1	0.049	0.9823	0	115	79.4	140	0.926	20	
Xylenes, Total	3.4	0.098	2.947	0	116	78.5	142	2.38	20	
Surr: 4-Bromofluorobenzene	1.1		0.9823		108	66.6	132	0	0	

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 |



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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: **1709635**

RcptNo: **1**

Received By: **Richie Eriacho**

9/13/2017 8:00:00 AM

Completed By: **Ashley Gallegos**

9/13/2017 8:51:03 AM

Reviewed By: **ENM**

9/13/17

Handwritten initials

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	2.8	Good	Yes			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1709A38

29-Sep-17

Client: Blagg Engineering

Project: PRITCHARD B 5

Sample ID	MB-34063		SampType:	mbk		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.	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#: 1709A38

29-Sep-17

Client: Blagg Engineering

Project: PRITCHARD B 5

Sample ID	MB-34002	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	34002	RunNo:	45806					
Prep Date:	9/21/2017	Analysis Date:	9/22/2017	SeqNo:	1455637	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	9.0		10.00		90.4	70	130			

Sample ID	LCS-34002	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	34002	RunNo:	45806					
Prep Date:	9/21/2017	Analysis Date:	9/22/2017	SeqNo:	1455751	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	48	10	50.00	0	95.6	73.2	114			
Surr: DNOP	4.6		5.000		91.1	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 |
| 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#: 1709A38

29-Sep-17

Client: Blagg Engineering

Project: PRITCHARD B 5

Sample ID	MB-33985		SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS		Batch ID: 33985		RunNo: 45817					
Prep Date:	9/21/2017		Analysis Date: 9/22/2017		SeqNo: 1457079		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-33985		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 33985		RunNo: 45817					
Prep Date:	9/21/2017		Analysis Date: 9/22/2017		SeqNo: 1457080		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	111	76.4	125			
Surr: BFB	1200		1000		120	54	150			

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#: 1709A38

29-Sep-17

Client: Blagg Engineering

Project: PRITCHARD B 5

Sample ID	MB-33985		SampType:	MBLK		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	PBS		Batch ID:	33985		RunNo:	45817			
Prep Date:	9/21/2017		Analysis Date:	9/22/2017		SeqNo:	1457105		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		125	66.6	132			

Sample ID	LCS-33985		SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSS		Batch ID:	33985		RunNo:	45817			
Prep Date:	9/21/2017		Analysis Date:	9/22/2017		SeqNo:	1457106		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	112	80	120			
Toluene	1.1	0.050	1.000	0	109	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	1.3		1.000		132	66.6	132			S

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



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Sample Log-In Check List

Client Name: **BLAGG**

Work Order Number: **1709A38**

RcptNo: **1**

Received By: **Anne Thorne**

9/19/2017 8:45:00 AM

Completed By: **Anne Thorne**

9/19/2017 2:24:19 PM

Reviewed By:

2/19/17

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 ☐ # of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐ Adjusted? _____
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 ☐ 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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Yes			