

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 / **RELEASE INVESTIGATION** / OTHER:
PAGE #: **1** of **1**

SITE INFORMATION: SITE NAME: **PRITCHARD B # 5** DATE STARTED: **09/12/17**
QUAD/UNIT: **L** SEC: **34** TWP: **31N** RNG: **9W** PM: **NM** CNTY: **SJ** ST: **NM** DATE FINISHED:
1/4 - 1/4 FOOTAGE: **1,840'S / 1,175'W NW/SW** LEASE TYPE: **FEDERAL** STATE / FEE / INDIAN
LEASE #: **NM013686** PROD. FORMATION: **FT** CONTRACTOR: **-** 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)	NA
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)	NA
3) SAMPLE ID: HA1 @ 95 BGT : 8.5'-10'	SAMPLE DATE: 09/12/17	SAMPLE TIME: 0840	LAB ANALYSIS: 8015B/8021B/300.0 (CI)	NA
4) SAMPLE ID: HA1 @ 95 BGT : 10.5'	SAMPLE DATE: 09/12/17	SAMPLE TIME: 0845	LAB ANALYSIS: 8015B/8021B/300.0 (CI)	NA
5) SAMPLE ID:	SAMPLE DATE:	SAMPLE TIME:	LAB ANALYSIS:	

SOIL DESCRIPTION: SOIL TYPE: **SAND** SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER
SOIL COLOR: **MODERATE BROWN** PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC
COHESION (ALL OTHERS): **NON COHESIVE** SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD
CONSISTENCY (NON COHESIVE SOILS): LOOSE / **FIRM** DENSE / VERY DENSE HC ODOR DETECTED: YES / **NO** EXPLANATION -
MOISTURE: DRY / **SLIGHTLY MOIST** MOIST / WET / SATURATED / SUPER SATURATED
SAMPLE TYPE: GRAB / **COMPOSITE** # OF PTS. **5** ANY AREAS DISPLAYING WETNESS: YES / **NO** EXPLANATION -
DISCOLORATION/STAINING OBSERVED: YES / **NO** EXPLANATION -

SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES / **NO** EXPLANATION -
APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES / **NO** EXPLANATION:
EQUIPMENT SET OVER RECLAIMED AREA: **YES** NO EXPLANATION - **105 BBL SHALLOW LOW PROFILE ABOVE-GRADE TANK TO BE SET ATOP BGT LOCATION.**
OTHER:
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'** NMOCD TPH CLOSURE STD: **5,000** ppm

SITE SKETCH BGT Located : off / **on** site PLOT PLAN circle: attached

OVM CALIB. READ. = **NA** ppm RF=1.00
OVM CALIB. GAS = **NA** ppm
TIME: **NA** am/pm DATE: **NA**

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
A BGT Sidewalls Visible: Y / **(N)**
BGT Sidewalls Visible: Y / N
BGT Sidewalls Visible: Y / N
Magnetic declination: **10° E**

X - S.P.D.

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: 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

Analytical Report

Lab Order 1709635

Date Reported: 9/18/2017

Hall Environmental Analysis Laboratory, Inc.

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

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.
- 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#: 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.
- 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#: 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.
- 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#: 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.
- 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

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/signature

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

17. Additional remarks:

Cooler Information

Cooler No.	Temp °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.
- 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#: 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.
- 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#: 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.
- 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#: 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. | 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: **1709A38**

RcptNo: **1**

Received By: **Anne Thorne**

9/19/2017 8:45:00 AM

Anne Thorne

Completed By: **Anne Thorne**

9/19/2017 2:24:19 PM

Anne Thorne

Reviewed By:

[Signature]

9/19/17

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