

District I
1625 N. First St. 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 | BURNHAM GC B 001 | Facility Type: | Natural Gas Well |
| Surface Owner: | Fee | Mineral Owner | Fee |
| | | API No. | 3004529227 |

LOCATION OF RELEASE

| | | | | | | | | |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
| M | 12 | 29N | 13W | 850 | South | 1,190 | West | San Juan |

Latitude 36.735772 Longitude -107.162056 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 bedrock was discovered during the confirmation sampling on 02/19/2018. The source of the release was undetermined, but most likely from the 95 bgt. A subsequent 5 point composite sample 2 feet below the bgt bottom (8 ft. below grade) was collected to establish vertical extent of impacts. The Spill & Release Guidelines ranking criteria is interpreted as ten (10), giving a total TPH closure standard of 1,000 mg/Kg. Final labs showed 320 mg/kg TPH. This standard was established and agreed upon with NMOCD after remediation had been initiated. Impacted soils were disposed of at an NMOCD approved facility. The initial standard used was 100 mg/Kg based on the information provided within the bgt permit. Field reports and laboratory results are attached. | | |
| Describe Area Affected and Cleanup Action Taken.* No further action required. Final laboratory analysis is 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: 5/1/2018 | Expiration Date: |
| E-mail Address: erin.garifalos@bp.com | Conditions of Approval: | Attached <input type="checkbox"/> |
| Date: April 19, 2018 | Phone: (832) 609-7048 | |

* Attach Additional Sheets If Necessary

NCS 1806555033

11

| | | |
|---|---|--|
| CLIENT: BP | BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 | API #: 3004529227 TANK ID (if applicable): A |
| FIELD REPORT: (circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER: | | PAGE #: 1 of 1 |
| SITE INFORMATION: SITE NAME: BURNHAM GC B #1 QUAD/UNIT: M SEC: 12 TWP: 29N RNG: 13W PM: NM CNTY: SJ ST: NM 1/4 - 1/4/FOOTAGE: 850'S / 1,190'W SW/SW LEASE TYPE: FEDERAL / STATE / FEE / INDIAN LEASE #: - PROD. FORMATION: PC CONTRACTOR: KELLEY O.F.S. BP - S. BEEBE | | DATE STARTED: 02/21/18 DATE FINISHED: ENVIRONMENTAL SPECIALIST(S): NJV |
| REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: 36.735927 X 107.162427 GL ELEV.: 5,476' 1) 95 BGT (SW/DB) GPS COORD.: 36.735772 X 107.162056 DISTANCE/BEARING FROM W.H.: 128', S34W 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: 5PC - TB @ 8' (95) SAMPLE DATE: 02/21/18 SAMPLE TIME: 1100 LAB ANALYSIS: 8015B/8021B/300.0 (CI) OVM READING (ppm): NA 2) SAMPLE ID: SAMPLE DATE: SAMPLE TIME: LAB ANALYSIS: 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 BEDROCK (SANDSTONE) SOIL COLOR: PALE YELLOWISH 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 - OTHER: GAS WELL RECENTLY PLUGGED & ABANDONED (P&A). NMOCED REP. NOT PRESENT TO WITNESS CONFIRMATION SAMPLING. BEDROCK STARTED AT 6 FT. BELOW GRADE, VERY HARD, SLIGHTLY FRIABLE (SAMPLED). CORRECT GPS COORD. FOR BGT: 36.735636 x 108.162671. 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 on site PLOT PLAN circle: attached FORMER COMPRESSOR LOCATION P&A MARKER N EXCAVATED FOOTPRINT AREA OF BGT ~ 2 FT. BELOW T.B. PBGTL T.B. ~ 6' B.G. WELL PAD HAS SECURITY PERIMETER FENCE X - S.P.D. | | |
| MISCELL. NOTES PO: 4300903069 AFE #: X7-006WM-E:REST SIO #: 190040007672 GL #: 745277 Permit date(s): 06/14/10 OCD Appr. date(s): 03/05/15 Tank ID: A OVM = Organic Vapor Meter ppm = parts per million 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: 2018 GOOGLE. ONSITE: 02/19/18, 02/21/18 | | |

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: 5 PC - TB @ 8' (95)

Project: Burnham GC B 1

Collection Date: 2/21/2018 11:00:00 AM

Lab ID: 1802C12-001

Matrix: MEOH (SOIL)

Received Date: 2/22/2018 8:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | 940 | 30 | | mg/Kg | 20 | 2/22/2018 11:09:03 AM | 36664 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: AG |
| Gasoline Range Organics (GRO) | ND | 4.3 | | mg/Kg | 1 | 2/22/2018 10:38:16 AM | G49327 |
| Surr: BFB | 134 | 70-130 | S | %Rec | 1 | 2/22/2018 10:38:16 AM | G49327 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | 180 | 9.5 | | mg/Kg | 1 | 2/22/2018 9:46:48 AM | 36661 |
| Motor Oil Range Organics (MRO) | 140 | 48 | | mg/Kg | 1 | 2/22/2018 9:46:48 AM | 36661 |
| Surr: DNOP | 107 | 70-130 | | %Rec | 1 | 2/22/2018 9:46:48 AM | 36661 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: AG |
| Benzene | ND | 0.022 | | mg/Kg | 1 | 2/22/2018 10:38:16 AM | R49327 |
| Toluene | ND | 0.043 | | mg/Kg | 1 | 2/22/2018 10:38:16 AM | R49327 |
| Ethylbenzene | ND | 0.043 | | mg/Kg | 1 | 2/22/2018 10:38:16 AM | R49327 |
| Xylenes, Total | ND | 0.087 | | mg/Kg | 1 | 2/22/2018 10:38:16 AM | R49327 |
| Surr: 4-Bromofluorobenzene | 118 | 70-130 | | %Rec | 1 | 2/22/2018 10:38:16 AM | R49327 |
| Surr: Toluene-d8 | 96.4 | 70-130 | | %Rec | 1 | 2/22/2018 10:38:16 AM | R49327 |

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: |
|---|--|-------------------|
| Client: BLAGG ENGR. / BP AMERICA | <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush SAME DAY | |
| Mailing Address: P.O. BOX 87 | Project Name: BURNHAM GC B # 1 | |
| BLOOMFIELD, NM 87413 | Project #: | |
| Phone #: (505) 632-1199 | Project Manager: | |
| email or Fax#: | SABRE BEEBE | |
| QA/QC Package: | | |
| <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation) | | |
| Accreditation: | Sampler: NELSON VELEZ | |
| <input type="checkbox"/> NELAP <input type="checkbox"/> Other _____ | On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| <input type="checkbox"/> EDD (Type) _____ | Sample Temperature: 1.0-0.21 (CF) = 0.8 | |

SAME DAY

☒ Rush

BURNHAM GC B #1

Project #:

Project Manager:

SABRE BEEBE

Sampler: **NELSON VELEZ**

On Ice: ☒ Yes ☐ No

Sample Temperature: $1.0 - 0.2 (cF) = 0.8$

[illegible]

| | | |
|---------|-------|------------------|
| Date: | Time: | Relinquished by: |
| 2/20/13 | 1540 | [Signature] |

| | | |
|--------------------|---------|------|
| Received by: | Date | Time |
| <i>[Signature]</i> | 2/21/15 | 1540 |

| | | |
|---------------|-------------|------------------------------|
| Date: 3/26/17 | Time: 18:17 | Relinquished by: [Signature] |
|---------------|-------------|------------------------------|

| | | |
|--------------------|----------|------|
| Received by: | Date | Time |
| <i>[Signature]</i> | 02/22/18 | 0800 |

| | |
|----------|--|
| Remarks: | BILLING INFORMATION SHOULD BE FORWARDED FROM BP. IF NOT, PLEASE CONTACT SARRE BEEBE. |
|----------|--|

NEW P.O. WILL BE GENERATED BY BPAS
PER SARE BEBRE.

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#: 1802C12

23-Feb-18

Client: Blagg Engineering

Project: Burnham GC B 1

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | MB-36664 | SampType: | mblk | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 36664 | RunNo: | 49314 | | | | | |
| Prep Date: | 2/22/2018 | Analysis Date: | 2/22/2018 | SeqNo: | 1593148 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID | LCS-36664 | SampType: | lcs | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 36664 | RunNo: | 49314 | | | | | |
| Prep Date: | 2/22/2018 | Analysis Date: | 2/22/2018 | SeqNo: | 1593149 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 94.9 | 90 | 110 | | | |

Qualifiers:

| | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| 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#: 1802C12

23-Feb-18

Client: Blagg Engineering

Project: Burnham GC B 1

| | | | | | | | | | | |
|-----------------------------|-----------|-----|----------------|-------------|------|-----------|---|------|--------------|------|
| Sample ID | LCS-36661 | | SampType: | LCS | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | |
| Client ID: | LCSS | | Batch ID: | 36661 | | RunNo: | 49308 | | | |
| Prep Date: | 2/22/2018 | | Analysis Date: | 2/22/2018 | | SeqNo: | 1591476 | | Units: mg/Kg | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 46 | 10 | 50.00 | 0 | 92.1 | 70 | 130 | | | |
| Surr: DNOP | 4.6 | | 5.000 | | 91.0 | 70 | 130 | | | |

| | | | | | | | | | | |
|--------------------------------|-----------|-----|----------------|-------------|------|-----------|---|------|--------------|------|
| Sample ID | MB-36661 | | SampType: | MBLK | | TestCode: | EPA Method 8015M/D: Diesel Range Organics | | | |
| Client ID: | PBS | | Batch ID: | 36661 | | RunNo: | 49308 | | | |
| Prep Date: | 2/22/2018 | | Analysis Date: | 2/22/2018 | | SeqNo: | 1591477 | | 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 | 9.6 | | 10.00 | | 96.3 | 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#: 1802C12

23-Feb-18

Client: Blagg Engineering

Project: Burnham GC B 1

| | | | | | | | | | | |
|----------------------------|-----------|----------------|-----------|-------------|--|----------|-----------|------|----------|------|
| Sample ID | 100ng lcs | SampType: | LCS4 | TestCode: | EPA Method 8260B: Volatiles Short List | | | | | |
| Client ID: | BatchQC | Batch ID: | R49327 | RunNo: | 49327 | | | | | |
| Prep Date: | | Analysis Date: | 2/22/2018 | SeqNo: | 1592319 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.94 | 0.025 | 1.000 | 0 | 93.9 | 80 | 120 | | | |
| Toluene | 0.94 | 0.050 | 1.000 | 0 | 94.4 | 80 | 120 | | | |
| Ethylbenzene | 0.93 | 0.050 | 1.000 | 0 | 93.1 | 80 | 120 | | | |
| Xylenes, Total | 2.8 | 0.10 | 3.000 | 0 | 94.7 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 0.47 | | 0.5000 | | 94.3 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.49 | | 0.5000 | | 97.6 | 70 | 130 | | | |

| | | | | | | | | | | |
|----------------------------|--------|----------------|-----------|-------------|--|----------|-----------|------|----------|------|
| Sample ID | rb | SampType: | MBLK | TestCode: | EPA Method 8260B: Volatiles Short List | | | | | |
| Client ID: | PBS | Batch ID: | R49327 | RunNo: | 49327 | | | | | |
| Prep Date: | | Analysis Date: | 2/22/2018 | SeqNo: | 1592322 | 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 | 0.56 | | 0.5000 | | 112 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.48 | | 0.5000 | | 96.9 | 70 | 130 | | | |

| | | | | | | | | | | |
|----------------------------|---------------------|----------------|-----------|-------------|--|----------|-----------|------|----------|------|
| Sample ID | 1802c12-001ams | SampType: | MS4 | TestCode: | EPA Method 8260B: Volatiles Short List | | | | | |
| Client ID: | 5 PC - TB @ 8' (95) | Batch ID: | R49327 | RunNo: | 49327 | | | | | |
| Prep Date: | | Analysis Date: | 2/22/2018 | SeqNo: | 1592796 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.77 | 0.022 | 0.8658 | 0 | 88.9 | 80 | 120 | | | |
| Toluene | 0.78 | 0.043 | 0.8658 | 0 | 89.5 | 80 | 120 | | | |
| Ethylbenzene | 0.78 | 0.043 | 0.8658 | 0 | 89.6 | 80 | 120 | | | |
| Xylenes, Total | 2.2 | 0.087 | 2.597 | 0 | 86.1 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 0.44 | | 0.4329 | | 102 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.42 | | 0.4329 | | 96.3 | 70 | 130 | | | |

| | | | | | | | | | | |
|----------------|---------------------|----------------|-----------|-------------|--|----------|-----------|-------|----------|------|
| Sample ID | 1802c12-001amsd | SampType: | MSD4 | TestCode: | EPA Method 8260B: Volatiles Short List | | | | | |
| Client ID: | 5 PC - TB @ 8' (95) | Batch ID: | R49327 | RunNo: | 49327 | | | | | |
| Prep Date: | | Analysis Date: | 2/22/2018 | SeqNo: | 1592797 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.76 | 0.022 | 0.8658 | 0 | 88.2 | 80 | 120 | 0.826 | 0 | |
| Toluene | 0.76 | 0.043 | 0.8658 | 0 | 87.4 | 80 | 120 | 2.42 | 0 | |
| Ethylbenzene | 0.75 | 0.043 | 0.8658 | 0 | 87.2 | 80 | 120 | 2.76 | 0 | |
| Xylenes, Total | 2.3 | 0.087 | 2.597 | 0 | 88.6 | 80 | 120 | 2.81 | 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 |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1802C12

23-Feb-18

Client: Blagg Engineering

Project: Burnham GC B 1

| | | | | | | | | | | |
|----------------------------|---------------------|----------------|-----------|-------------|--|----------|-----------|------|----------|------|
| Sample ID | 1802c12-001amsd | SampType: | MSD4 | TestCode: | EPA Method 8260B: Volatiles Short List | | | | | |
| Client ID: | 5 PC - TB @ 8' (95) | Batch ID: | R49327 | RunNo: | 49327 | | | | | |
| Prep Date: | | Analysis Date: | 2/22/2018 | SeqNo: | 1592797 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 0.42 | | 0.4329 | | 97.4 | 70 | 130 | 0 | 0 | |
| Surr: Toluene-d8 | 0.41 | | 0.4329 | | 94.1 | 70 | 130 | 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 |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1802C12

23-Feb-18

Client: Blagg Engineering

Project: Burnham GC B 1

| | | | | | | | | | | |
|-------------------------------|---------------|----------------|-----------|-------------|--------------------------------------|----------|-----------|------|----------|------|
| Sample ID | 2.5ug gro lcs | SampType: | LCS | TestCode: | EPA Method 8015D Mod: Gasoline Range | | | | | |
| Client ID: | LCSS | Batch ID: | G49327 | RunNo: | 49327 | | | | | |
| Prep Date: | | Analysis Date: | 2/22/2018 | SeqNo: | 1592316 | 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 | 112 | 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: | G49327 | RunNo: | 49327 | | | | | |
| Prep Date: | | Analysis Date: | 2/22/2018 | SeqNo: | 1592317 | 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 | 600 | | 500.0 | | 120 | 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



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: 1802C12

RcptNo: 1

Received By: Sophia Campuzano 2/22/2018 8:00:00 AM

Completed By: Dennis Suazo 2/22/2018 8:17:32 AM

Reviewed By: SRE 02/22/18

Labeled By: mhw 2/22/18

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: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.8 | Good | Not Present | | | |

BURNHAM GAS COM B 001

