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.

State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr.

OIL CONS. DIV DIST. 3

FEB 1 8 2016

Form C-141 Revised August 8, 2011

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

| Release Notificati Name of Company: BP Address: 200 Energy Court, Farmington, NM 87401 Facility Name: Atlantic B LS 1B Facility Name: Atlantic B LS 1B Surface Owner: Federal Mineral Owne LOCATION Location Unit Letter Section Township Range I 33 31N 10W 900 Nor Latitude 36.85395° NATUR Type of Release: condensate Source of Release: Separation of ferule connection on intercooler pipin Was Immediate Notice Given? Yes No Not Require By Whom? Steve Moskal of BP Yes No Not Require | ion : Cc Te Fa er: Fe ON orth/Sc orth | and Co OPERAT ontact: Ste elephone N acility Typ ederal OF REI outh Line Longitude DF RELI Volume of Date and H Unknown If YES, To A phone ca Date and H | CEASE Feet from the 880 EASE Release: 45 bbl four of Occurrence Whom? all to Cory Smith | etion 97 well East East | API No Vest Line Volume I Date and 1, 2015 a | al Report 0. 3004529970 County: San County: San Recovered: non Hour of Disco tt 9:06 AM | Final Rep 0 Juan e very: September |
|--|--|--|---|---|--|--|--|
| Name of Company: BP Address: 200 Energy Court, Farmington, NM 87401 Facility Name: Atlantic B LS 1B Surface Owner: Federal Mineral Owne LOCATION Unit Letter Section 1 33 31N 10W 900 Non Latitude_36.85395° NATUR Type of Release: condensate Source of Release: Separation of ferule connection on intercooler pipin Was Immediate Notice Given? Yes No Not Require By Whom? Steve Moskal of BP Was a Watercourse Reached? Yes No | Co Te Fa er: Fe ON orth/Sco orth | DPERAT ontact: Ste elephone N acility Typ ederal OF REI outh Line Longitude DF RELI Volume of Date and H Unknown If YES, To A phone ca Date and H | FOR ve Moskal No.: 505-326-94 e: Natural gas v LEASE Feet from the 880 e107.88124° EASE Release: 45 bbl four of Occurrence Whom? dl to Cory Smith | 97 vell East/V East | API No API No West Line Volume I Date and 1, 2015 a | al Report 0. 3004529970 County: San County: San Recovered: non Hour of Discout t 9:06 AM | Final Rep 0 Juan ie very: September |
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| Yes No Not Require By Whom? Steve Moskal of BP Was a Watercourse Reached? Yes No | red | A phone ca Date and H | ll to Cory Smith | | | | |
| By Whom? Steve Moskal of BP Was a Watercourse Reached? | | Date and H | | | | | |
| Was a Watercourse Reached? | | IFVES VO | lour: 9/1/2015 at | 11:45 A | AM | | 1. A. |
| | | II 110, vo | lume Impacting t | the Wate | ercourse. | | |
| | | | - <u> </u> | | | | |
| If a watercourse was impacted, Describe Fully.* | | | | | | | |
| Describe Area Affected and Cleanup Action Taken.* Area immediately in an earthen containment berm. Delineation determined that the exten excavated and transported off site for landfarm treatment. The final ex yards transported off site. | y surr nts of cavat | ounding the the contami tion area me | e tank has eviden ination reached b asured 88' x 37' | ce of sta eyond th x 15' de | uining. The he bermed a eep with a t | e tank and stain area. The cont total quantity o | ing is contained amination was f 2,070 cubic |
| I hereby certify that the information given above is true and complete to regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remed or the environment. In addition, NMOCD acceptance of a C-141 repor federal, state, or local laws and/or regulations. | to the se noti y the N diate c rt doe: | best of my ifications ar NMOCD ma contamination is not relieve | knowledge and u ad perform correc arked as "Final R on that pose a thr e the operator of | nderstar etive act eport" c eat to gr respons | nd that purs ions for reli loes not reli round water ibility for c | suant to NMOC leases which ma lieve the operator, surface water compliance with | CD rules and ay endanger or of liability r, human health n any other |
| | | | OIL CON | SERV | ATION | DIVISION | 1 |
| Signature: Man | | | | | . \ | 5 | |
| Printed Name: Steve Moskal | Ap | pproved by | Environmental S | pecialis | | mare | 9 |
| Title: Field Environmental Coordinator | Ap | oproval Dat | e:02/19/2 | arc | Expiration | Date: | |
| E-mail Address: steven.moskal@bp.com | Co | onditions of | Approval: | | | Attached [| |
| Date: February 17, 2016 Phone: 505-326-9497 | | - | | _ | stral. | | |
| Attach Additional Sheets If Necessary | | NCS | 15227 | 422 | 72 | | |
| | | | 10001 | 1 | A CONTRACTOR | | |

BP AMERICA PRODUCTION COMPANY

REMEDIATION OF 300 BARREL PRODUCTION/CONDENSATE TANK RELEASE ATLANTIC B LS # 1B API #: 30-045-29970 (I) Sec 33 - T31N - R10W, NMPM)

CHRONOLOGICAL EVENT SUMMATION

- September 1, 2015 (Tuesday): BP contractor observed apparent staining on the ground surface surrounding the 300 barrel production/condensate tank. Findings reported to supervising BP personnel. Immediate notification was given to the New Mexico Oil Conservation Division (NMOCD) via telecom. Reporting form C-141 (Initial Report) was dated and filed the same day.
- January 5, 2016 (Tuesday): Investigation of the release was initiated to determine the vertical and lateral extent of impacts. This work was concluded the following day. Soil samples were field screened and arbitrary selected samples submitted to an accredited laboratory for testing of Total Petroleum Hydrocarbons (TPH) per US EPA Method 8015M, benzene, toluene, ethylbenzene, and total xylenes (BTEX) per US EPA Method 8021B, and chloride per US EPA Method 300.0.
- 3. January 11, 2016 (Monday): Remediation of impacted soils via excavation commenced. Limited excavation of 20' X 20' X 15' was completed and three (3) point composite samples were collected from the four (4) sidewalls. A 5-point composite sample was collected from the base. All 5 samples were field screened and submitted to the same laboratory for testing of TPH, BTEX, and chloride. Representatives from the Bureau of Land Management (BLM) and NMOCD were present to witness the sampling event.
- 4. January 14, 2016 (Monday): Upon receiving preliminary lab data from the initial excavation sampling, the excavation was extended in the east, south, and west directions. 5-point composite samples were collected from 3 sidewalls, field screened, and submitted to the same laboratory for testing of TPH and BTEX. BLM and NMOCD personnel were present to witness sampling.
- 5. January 19, 2016 (Tuesday): Upon receiving preliminary lab data from the subsequent sidewall sampling, the excavation was extended in the west directions another 5 feet. A 5-point composite sample was collected from the west sidewall, field screened, and submitted to the same laboratory for testing of TPH and BTEX. BLM and NMOCD personnel were present to witness the sampling event.
- 6. January 25, 2016 (Monday): Additional test holes outside the excavation limits were advanced to evaluate the extent of impacts to the west and northwest of the existing remedial excavation.
- January 27, 2016 (Wednesday): Remedial excavation advanced further west by approximately 7 feet. Southwest sidewall sampled for final closure. Additional test holes outside the excavation limits were advanced to evaluate the extent of impacts to the west of the existing excavation. BLM and NMOCD on-site to witness sampling.
- February 1, 2016 (Monday): Remedial excavation advanced an additional 30 feet west based on prior test hole laboratory results. Composite closure samples were collected from the north, south and west sidewalls and the base of this extended excavation for laboratory testing.
- 9. February 4, 2016 (Thursday): Following receipt of lab results on far west remedial excavation, extend south wall of the far west area an additional 10' south. Re-sample south wall area with 2 composite samples. Witnessed by NMOCD.
- February 5, 2016 (Friday): Receive laboratory test results. All excavation sidewalls and base samples test below site closure standard of 100 ppm TPH. Complete backfilling operation. Final excavation approximately 88' x 37' x 15' deep. Total volume transported to JFJ Landfarm = 2,070 CY.





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

January 11, 2016

Jeff Blagg Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 320-1183 FAX

RE: Atlantic B LS 1B

OrderNo.: 1601163

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 5 sample(s) on 1/7/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Er | nvironmental Analys | sis Labora | tory, In | ic. | | | Lab Order 1601163 Date Reported: 1/11/201 | 6 |
|----------------------|---------------------------------------|------------|-----------------|-----------|----------------------------|-----------------------|--|------------------|
| CLIENT: Project: | Blagg Engineering Atlantic B LS 1B | Matrix. | MEOH (S | C OIL) | Client Sampl Collection | e ID: TH Date: 1/6 | H-1 @ 15' 5/2016 9:48:00 AM | |
| Analyses | 1001103 001 | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | | Analyst | LGT |
| Chloride | | ND | 30 | | mg/Kg | 20 | 1/7/2016 11:49:06 AM | 23106 |
| EPA MET | HOD 8015M/D: DIESEL RAN | GE ORGANIC | S | | | | Analyst | KJH |
| Diesel Ra Surr: [| ange Organics (DRO) DNOP | ND 133 | 9.2 70-130 | S | mg/Kg %REC | 1 1 | 1/7/2016 11:30:36 AM 1/7/2016 11:30:36 AM | 23102 23102 |
| EPA MET | HOD 8015D: GASOLINE RAI | NGE | | | | | Analyst: | NSB |
| Gasoline Surr: E | Range Organics (GRO) 3FB | ND 90.7 | 3.6 66.2-112 | | mg/Kg %REC | 1 1 | 1/7/2016 11:07:56 AM 1/7/2016 11:07:56 AM | A31307 A31307 |
| EPA MET | HOD 8021B: VOLATILES | | | | | | Analyst: | NSB |
| Benzene | | ND | 0.036 | | mg/Kg | 1 | 1/7/2016 11:07:56 AM | R31307 |
| Toluene | | ND | 0.036 | | mg/Kg | 1 | 1/7/2016 11:07:56 AM | R31307 |
| Ethylben | zene | ND | 0.036 | | mg/Kg | 1 | 1/7/2016 11:07:56 AM | R31307 |
| Xylenes, | Total | ND | 0.072 | | mg/Kg | 1 | 1/7/2016 11:07:56 AM | R31307 |
| Surr: 4 | -Bromofluorobenzene | 124 | 80-120 | S | %REC | 1 | 1/7/2016 11:07:56 AM | R31307 |

| 0 | 10 | lifi | | re | |
|------|-----|------|----|----|---|
| - VI | 131 | | C, | 19 | ٠ |

- * 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
- R RPD outside accepted recovery limits
- 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 Page 1 of 9

Analytical Report

- P Sample pH Not In Range
- RL Reporting Detection Limit

| Hall Environmental Analy | sis Labora | itory, Ii | nc. | | | Analytical Report Lab Order 1601163 Date Reported: 1/11/201 | 6 |
|--|-------------|-----------|------|--|------------------------------------|---|--------|
| CLIENT:Blagg EngineeringProject:Atlantic B LS 1BLab ID:1601163-002 | Matrix: | MEOH (S | OIL) | Client Sampl Collection I Received I | e ID: TH Date: 1/6 Date: 1/7 | H-4 @ 10' 5/2016 10:58:00 AM 7/2016 8:15:00 AM | |
| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | 1.1.1.1 | | | | | Analyst: | LGT |
| Chloride | ND | 30 | | mg/Kg | 20 | 1/7/2016 12:26:20 PM | 23106 |
| EPA METHOD 8015M/D: DIESEL RAI | NGE ORGANIC | S | | | | Analyst: | KJH |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 1/7/2016 11:52:46 AM | 23102 |
| Surr: DNOP | 126 | 70-130 | | %REC | 1 | 1/7/2016 11:52:46 AM | 23102 |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | | Analyst: | NSB |
| Gasoline Range Organics (GRO) | ND | 4.2 | | mg/Kg | 1 | 1/7/2016 11:32:42 AM | A31307 |
| Surr: BFB | 89.3 | 66.2-112 | | %REC | 1 | 1/7/2016 11:32:42 AM | A31307 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: | NSB |
| Benzene | ND | 0.042 | | mg/Kg | 1 | 1/7/2016 11:32:42 AM | R31307 |
| Toluene | ND | 0.042 | | mg/Kg | 1 | 1/7/2016 11:32:42 AM | R31307 |
| Ethylbenzene | ND | 0.042 | | mg/Kg | 1 | 1/7/2016 11:32:42 AM | R31307 |
| Xylenes, Total | ND | 0.083 | | mg/Kg | 1 | 1/7/2016 11:32:42 AM | R31307 |
| Surr: 4-Bromofluorobenzene | 122 | 80-120 | S | %REC | 1 | 1/7/2016 11:32:42 AM | R31307 |

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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Value above quantitation range Е
- Analyte detected below quantitation limits Page 2 of 9 J
- P Sample pH Not In Range
- RL Reporting Detection Limit

| Hall E | nvironmental Anal | ysis Labora | tory, Iı | 1c. | | | Analytical Report Lab Order 1601163 Date Reported: 1/11/201 | 6 |
|--------------------------------|--|-------------|----------|------|--|----|---|--------|
| CLIENT: Project: Lab ID: | Blagg Engineering Atlantic B LS 1B 1601163-003 | Matrix: | MEOH (S | OIL) | H-5 @ 20' 5/2016 11:30:00 AM 7/2016 8:15:00 AM | | | |
| Analyses | | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
| EPA ME | THOD 300.0: ANIONS | | | | | | Analyst: | LGT |
| Chloride | | ND | 30 | 100 | mg/Kg | 20 | 1/7/2016 12:38:44 PM | 23106 |
| EPA MET | THOD 8015M/D: DIESEL RA | NGE ORGANIC | S | | | | Analyst: | KJH |
| Diesel R | ange Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 1/7/2016 12:14:26 PM | 23102 |
| Surr: | DNOP | 134 | 70-130 | S | %REC | 1 | 1/7/2016 12:14:26 PM | 23102 |
| EPA MET | THOD 8015D: GASOLINE R | ANGE | | | | | Analyst: | NSB |
| Gasoline | e Range Organics (GRO) | ND | 3.8 | | mg/Kg | 1 | 1/7/2016 12:05:39 PM | A31307 |
| Surr: | BFB | 95.9 | 66.2-112 | | %REC | 1 | 1/7/2016 12:05:39 PM | A31307 |
| EPA MET | THOD 8021B: VOLATILES | | | | | | Analyst: | NSB |
| Benzene | 9 | ND | 0.038 | | mg/Kg | 1 | 1/7/2016 12:05:39 PM | R31307 |
| Toluene | | ND | 0.038 | | mg/Kg | 1 | 1/7/2016 12:05:39 PM | R31307 |
| Ethylber | izene | ND | 0.038 | | mg/Kg | 1 | 1/7/2016 12:05:39 PM | R31307 |
| Xylenes, | , Total | ND | 0.077 | | mg/Kg | 1 | 1/7/2016 12:05:39 PM | R31307 |
| Surr: | 4-Bromofluorobenzene | 126 | 80-120 | S | %REC | 1 | 1/7/2016 12:05:39 PM | R31307 |

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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 3 of 9 J
- Ρ Sample pH Not In Range
- RL Reporting Detection Limit

| Hall Environmental Analy | sis Labora | itory, Ii | nc. | | | Analytical Report Lab Order 1601163 Date Reported: 1/11/201 | 6 | | | | |
|---|-------------|-----------|-------|-----------------------|-------------------------------------|---|--------|--|--|--|--|
| CLIENT: Blagg Engineering Project: Atlantic B LS 1B Lab ID: 1601163-004 | Matrix: | MEOH (S | OIL) | Collection Collection | le ID: TH Date: 1/6 Date: 1/7 | ED: TH-7 @ 15' Date: 1/6/2016 12:59:00 PM Date: 1/7/2016 8:15:00 AM | | | | | |
| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch | | | | |
| EPA METHOD 300.0: ANIONS | All and and | | 1.2.2 | | | Analyst: | LGT | | | | |
| Chloride | ND | 30 | | mg/Kg | 20 | 1/7/2016 12:51:09 PM | 23106 | | | | |
| EPA METHOD 8015M/D: DIESEL RAN | GE ORGANIC | s | | | | Analyst: | KJH | | | | |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 1/7/2016 12:36:34 PM | 23102 | | | | |
| Surr: DNOP | 137 | 70-130 | S | %REC | 1 | 1/7/2016 12:36:34 PM | 23102 | | | | |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | | Analyst: | NSB | | | | |
| Gasoline Range Organics (GRO) | ND | 4.3 | | mg/Kg | 1 | 1/7/2016 12:30:25 PM | A31307 | | | | |
| Surr: BFB | 92.4 | 66.2-112 | | %REC | 1 | 1/7/2016 12:30:25 PM | A31307 | | | | |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: | NSB | | | | |
| Benzene | ND | 0.043 | | mg/Kg | 1 | 1/7/2016 12:30:25 PM | R31307 | | | | |
| Toluene | ND | 0.043 | | mg/Kg | 1 | 1/7/2016 12:30:25 PM | R31307 | | | | |
| Ethylbenzene | ND | 0.043 | | mg/Kg | 1 | 1/7/2016 12:30:25 PM | R31307 | | | | |
| Xylenes, Total | ND | 0.085 | | mg/Kg | 1 | 1/7/2016 12:30:25 PM | R31307 | | | | |
| Surr: 4-Bromofluorobenzene | 127 | 80-120 | S | %REC | 1 | 1/7/2016 12:30:25 PM | R31307 | | | | |

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | В | Analyte detected in the associated Method Blank |
|-------------|---|--|---|---|
| | D | Sample Diluted Due to Matrix | Е | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits Page |

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

- Analyte detected below quantitation limits Page 4 of 9 l
 - P Sample pH Not In Range
 - RL Reporting Detection Limit

| Hall Environmental Anal | ysis Labora | tory, Ir | ıc. | | | Lab Order 1601163 Date Reported: 1/11/201 | 6 |
|-------------------------------|---------------|----------|------|--------------|-----------|--|--------|
| CLIENT: Blagg Engineering | | | (| lient Sampl | e ID: TH | I-8 @ 15' | |
| Project: Atlantic B LS 1B | | | | Collection] | Date: 1/6 | /2016 1:22:00 PM | |
| Lab ID: 1601163-005 | Matrix: | MEOH (S | OIL) | Received] | Date: 1/7 | /2016 8:15:00 AM | |
| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst: | LGT |
| Chloride | ND | 30 | | mg/Kg | 20 | 1/7/2016 1:03:33 PM | 23106 |
| EPA METHOD 8015M/D: DIESEL RA | ANGE ORGANICS | S | | | | Analyst: | KJH |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 1/7/2016 12:58:39 PM | 23102 |
| Surr: DNOP | 147 | 70-130 | S | %REC | 1 | 1/7/2016 12:58:39 PM | 23102 |
| EPA METHOD 8015D: GASOLINE R | ANGE | | | | | Analyst: | NSB |
| Gasoline Range Organics (GRO) | 11 | 4.9 | | mg/Kg | 1 | 1/7/2016 12:55:11 PM | A31307 |
| Surr: BFB | 102 | 66.2-112 | | %REC | 1 | 1/7/2016 12:55:11 PM | A31307 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: | NSB |
| Benzene | 0.21 | 0.049 | | mg/Kg | 1 | 1/7/2016 12:55:11 PM | R31307 |
| Toluene | 1.4 | 0.049 | | mg/Kg | 1 | 1/7/2016 12:55:11 PM | R31307 |
| Ethylbenzene | 0.15 | 0.049 | | mg/Kg | 1 | 1/7/2016 12:55:11 PM | R31307 |
| Xylenes, Total | 1.8 | 0.098 | | mg/Kg | 1 | 1/7/2016 12:55:11 PM | R31307 |
| Surr: 4-Bromofluorobenzene | 135 | 80-120 | S | %REC | 1 | 1/7/2016 12:55:11 PM | R31307 |

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
- R RPD outside accepted recovery limits
- 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 Page 5 of 9

Analytical Report

- P Sample pH Not In Range
- RL Reporting Detection Limit

-

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601163 11-Jan-16

| Client: Project: | Blagg Atlant | Engineering ic B LS 1B | |
|---------------------|-----------------|---------------------------|--|
| Sample ID | MB-23106 | SampType: MBLK | TestCode: EPA Method 300.0: Anions |
| Client ID: | PBS | Batch ID: 23106 | RunNo: 31326 |
| Prep Date: | 1/7/2016 | Analysis Date: 1/7/2016 | Seqivo: 959120 Units: mg/Kg |
| Analyte | | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Chloride | 10.1.3 | ND 1.5 | |
| Sample ID | LCS-23106 | SampType: LCS | TestCode: EPA Method 300.0: Anions |
| Client ID: | LCSS | Batch ID: 23106 | RunNo: 31326 |
| Prep Date: | 1/7/2016 | Analysis Date: 1/7/2016 | SeqNo: 959121 Units: mg/Kg |
| Analyte | | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Chloride | | 14 1.5 15.00 | 0 92.5 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
- R RPD outside accepted recovery limits
- 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1601163

11-Jan-16

| Client: Blagg Project: Atlanti | Engineering c B LS 1B | | | |
|---|--------------------------|---------------------------|-----------------------|---------------|
| Sample ID MB-23102 | SampType: MBLK | TestCode: EPA Method | 8015M/D: Diesel Range | Organics |
| Client ID: PBS | Batch ID: 23102 | RunNo: 31293 | | |
| Prep Date: 1/7/2016 | Analysis Date: 1/7/2016 | SeqNo: 958006 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Diesel Range Organics (DRO) Surr: DNOP | ND 10 8.0 10.00 | 79.7 70 | 130 | |
| Sample ID MB-23116 | SampType: MBLK | TestCode: EPA Method | 8015M/D: Diesel Range | Organics |
| Client ID: PBS | Batch ID: 23116 | RunNo: 31303 | | |
| Prep Date: 1/7/2016 | Analysis Date: 1/7/2016 | SeqNo: 958503 | Units: %REC | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Surr: DNOP | 14 10.00 | 137 70 | 130 | S |
| Sample ID LCS-23102 | SampType: LCS | TestCode: EPA Method | 8015M/D: Diesel Range | Organics |
| Client ID: LCSS | Batch ID: 23102 | RunNo: 31293 | | |
| Prep Date: 1/7/2016 | Analysis Date: 1/7/2016 | SeqNo: 958703 | 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 90.0 65.8 | 136 | |
| Surr: DNOP | 4.2 5.000 | 83.8 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
- R RPD outside accepted recovery limits
- 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

Page 7 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601163 11-Jan-16

| Client: Blagg I Project: Atlantic | B LS 1B | | | | | | | | in a | |
|--------------------------------------|------------|----------|-----------|-------------|----------|-----------|-------------|------------|-----------------------|------|
| Sample ID 5ML RB | Samp | Туре: М | BLK | Tes | tCode: E | PA Method | 8015D: Gase | oline Rang | le | |
| Client ID: PBS | Batc | h ID: A3 | 81307 | F | RunNo: 3 | 1307 | | | | |
| Prep Date: | Analysis [| Date: 1 | 7/2016 | 5 | SeqNo: 9 | 58472 | Units: mg/k | ۲g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | 10.00 | | | | |
| Surr: BFB | 890 | | 1000 | | 88.5 | 66.2 | 112 | 1.1 | the last | |
| Sample ID 2.5UG GRO LCS | Samp | Type: LC | s | Tes | tCode: E | PA Method | 8015D: Gase | oline Rang | e | |
| Client ID: LCSS | Batc | h ID: A3 | 1307 | F | RunNo: 3 | 1307 | | | | |
| Prep Date: | Analysis [| Date: 1 | 7/2016 | S | SeqNo: 9 | 58473 | Units: mg/H | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 22 | 5.0 | 25.00 | 0 | 88.8 | 79.6 | 122 | 1.1 | and the second second | |
| Surr: BFB | 990 | | 1000 | | 99.0 | 66.2 | 112 | | | |

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
- R RPD outside accepted recovery limits
- 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

Page 8 of 9

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering Project: Atlantic B LS 1B

-

| Sample ID 5ML RB | Samp | Туре: МІ | BLK | Tes | tCode: E | PA Method | 8021B: Vola | tiles | | |
|----------------------------|------------|----------|-----------|-------------|--------------|-----------|-------------|-------|----------|------|
| Client ID: PBS | Batc | h ID: R3 | 81307 | F | RunNo: 3 | 1307 | | | | |
| Prep Date: | Analysis I | Date: 1 | 7/2016 | 1 | SeqNo: 9 | 58479 | Units: mg/k | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.050 | | | 1.00 | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.2 | | 1.000 | | 119 | 80 | 120 | | | |
| Sample ID 100NG BTEX LCS | Samp | Type: LC | s | Tes | 7.7 | | | | | |
| Client ID: LCSS | Batc | h ID: R3 | 1307 | F | RunNo: 31307 | | | | | |
| Prep Date: | Analysis I | Date: 1/ | 7/2016 | 5 | SeqNo: 9 | 58480 | Units: mg/h | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.92 | 0.050 | 1.000 | 0 | 91.9 | 80 | 120 | | | |
| Toluene | 0.94 | 0.050 | 1.000 | 0 | 94.2 | 80 | 120 | | | |
| Ethylbenzene | 0.97 | 0.050 | 1.000 | 0 | 96.8 | 80 | 120 | | | |
| Xylenes, Total | 3.0 | 0.10 | 3.000 | 0 | 100 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.3 | | 1.000 | | 129 | 80 | 120 | | | 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
- R RPD outside accepted recovery limits
- 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

Page 9 of 9

WO#:

| Next Manage BLACO | | mment | 5-4107 aLcom | Sample Log-In Check List | | | | | | | |
|--|----------|-------|-----------------|--------------------------|----------------|-----------------|--|--|--|--|--|
| Ment Mentes More Vider Number | er: 1601 | 163 | | | RoptNo: 1 | | | | | | |
| eceived by/date: | | | | | | | | | | | |
| onned By Lindsay Mancin 1/7/2016 8:15:00 AM | | | At 1 | Maso | | | | | | | |
| omoteted By: Lindeau Mannin 1/7/2016 8:41:37 AM | | | All | Ma | | | | | | | |
| autowed By | | | 05 | T | | | | | | | |
| to a formation | | | | | | | | | | | |
| nam of Custody | Vac | n | No | | Not Present | | | | | | |
| Custody seals intact on sample bottles? | Tes | | No | | Not Present | | | | | | |
| . Is Chain of Custody complete? | TCS | | 140 | | NOL CIGAGNI | | | | | | |
| , How was the sample delivered? | Con | ner | | | | | | | | | |
| og in | | | | | | | | | | | |
| . Was an attempt made to cool the samples? | Yes | | No | | NA 🗌 | | | | | | |
| | | | | | | | | | | | |
| . Were all samples received at a temperature of >0° C to 6.0°C | Yes | | No | | NA 🗀 | | | | | | |
| Samala(s) in anner cantainer(s)? | Yes | | No | | | | | | | | |
| · comprete) in proper containerter: | 100 | | | | | | | | | | |
| . Sufficient sample volume for indicated test(s)? | Yes | V | No | | | | | | | | |
| , Are samples (except VOA and ONG) properly preserved? | Yes | V | No | | | | | | | | |
| . Was preservative added to bottles? | Yes | | No | | NA 🗆 | | | | | | |
| | Vee | | No | Π | No VOA Vials | | | | | | |
| Wore any cample contriners received broken? | Yes | | No | | | | | | | | |
| I, were any sample containers records storer. | 100 | | | | # of preserved | | | | | | |
| 2. Does paperwork match bottle labels? | Yes | | No | | for pH: | | | | | | |
| (Note discrepancies on chain of custody) | 141 | C2 | | - | Adjusted? | 12 unless noted | | | | | |
| Are matrices correctly identified on Chain of Custody? | Yes | | NO | | | | | | | | |
| Is it clear what analyses were requested? | Yes | 2 | No | | Checked by: | | | | | | |
| (If no, notify customer for authorization.) | 100 | 60 | | - | Course | | | | | | |
| | | | | | | | | | | | |
| ecial Handling (if applicable) | | | | - | | | | | | | |
| 3. Was client notified of all discrepancies with this order? | Yes | | No | · [] | NA MI | | | | | | |
| Person Notified: Date | 1 | | | | | | | | | | |
| By Whom: Via: | eM | ail [| Phone | Fax | In Person | | | | | | |
| Regarding: | | | | | | | | | | | |
| Client Instructions: | - | | | | | | | | | | |
| 7. Additional remarks: | | | | | | | | | | | |
| 3. Cooler Information | | | | | | | | | | | |
| Ccoler No Temp C Condition Seal Intact Seal No | Seal D | ate | Signed | By | | | | | | | |

| Chain-of-Custody Record lient: BP America BLAGG Engineering lailing Address: J hone #: 505 - 320 - 1193 | | | | Turn-Around Time: Standard KRush (Friday 1/3) Project Name: ATLANTIC B LS 1B Project #: | | | | | HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 | | | | | | | | | | | | |
|---|------------------|------------|---------------------------|---|----------------------|-------------------------------------|--|-------------|---|---------------|---------------|----------------|---------------|-----------------|-----------------|-------------|---------------|----------|--|---|------------------|
| hone | #: 50 | 5-37 | 20-1193 | | | | 1 | 16 | a. 50 | JO-34 | +0-0 | 975 A | naly | /sis | Req | ues | 410 | | | | 33 |
| mail o | r Fax#: | | | Project Manager: | | | | (Å) | â | | | | | (4) | | | | | | T | |
| A/QC I KStan | Package: dard | | Level 4 (Full Validation) | J. BLAGO | | | \$ (8021 | (Gas on | STAL IN | | | (SWI | | PO4,SO | PCB's | | | | | | |
| ccredi 1 NEL | itation AP | Othe | r | Sampler: J. BLAGG On Ice: Ves DNo | | | I TMB | + TPH | RO / DF | 18.1) | 04.1) | 8270 S | | 03,NO2, | \$ / 8082 | | (A) | | | | or N) |
|] EDD | (Type)_ Time | Matrix | Sample Request ID | Sample Tem Container Type and # | Preservative Type | } HEALNO.]{{∧}]]{{∧}]]{{∧}]] | BTEX + MHBH | BTEX + MTBE | TPH 8015B (GF | TPH (Method 4 | EDB (Method 5 | PAH's (8310 or | RCRA 8 Metals | Anions (F,CI,NC | 8081 Pesticides | 8260B (VOA) | 8270 (Semi-VO | CHLORIDE | | | Air Bubbles (Y o |
| hoil | 0948 | SOIL | TH-1015 | 403×1 | COOL | -001 | X | | X | | _ | | - | | | | | × | | 1 | |
| 11 | 1058 | ι(| TH-40.10' | 11 | 17 | -007. | X | | X | | | | | | | | | × | | - | |
| 11 | 1130 | и | TH-5@20 | V | 11 | -003 | X | | X | | | | | | | | | × | | | |
| li | 12.59 | ví | TH-7@ 15' | 11 | 11 | -004 | X | 1 | × | | | | | | | | | × | | + | |
| 11 | 1322 | H | TH-8C15' | ļ¢ | li I | -005 | × | | × | | | | | | | | | × | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| hate: | Time: | Relinquish | ed by: | Received by: | lato | Date Time | Rer | nark | s: t | Pill | B | P | 2. | N | 95 | 5/03 | 99 | 190 | | | |
| 2016 Date: | Time: | Relinquish | istruliaters | Received by: | A a | Date Time | CODE: GL 745165 5 CONTact: STEVE MOSKAL | | | | | | L | | | | | | | | |

necessary, samples submitted to Hall Environmental may be subcontracted to other acceledited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

January 14, 2016

Jeff Blagg Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 320-1183 FAX (505) 632-3903

RE: Atlantic B LS #1B

OrderNo.: 1601307

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 5 sample(s) on 1/12/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Anal | | Lab Order 1601307 Date Reported: 1/14/201 | 6 | | | |
|--|--------------|--|--|-------------------------------------|---|--------|
| CLIENT: Blagg Engineering Project: Atlantic B LS #1B Lab ID: 1601307-001 | Matrix: | SOIL | Client Sampl Collection 1 Received 1 | e ID: 3 H Date: 1/1 Date: 1/1 | PC North (5',10',15') 1/2016 1:24:00 PM 2/2016 7:10:00 AM | |
| Analyses | Result | RL Q | ual Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | LGT |
| Chloride | ND | 30 | mg/Kg | 20 | 1/12/2016 11:53:07 AM | 23166 |
| EPA METHOD 8015M/D: DIESEL RA | ANGE ORGANIC | s | | | Analyst: | том |
| Diesel Range Organics (DRO) | 27 | 9.3 | mg/Kg | 1 | 1/12/2016 9:51:04 AM | 23163 |
| Surr: DNOP | 83.5 | 70-130 | %REC | 1 | 1/12/2016 9:51:04 AM | 23163 |
| EPA METHOD 8015D: GASOLINE F | RANGE | | | | Analyst: | NSB |
| Gasoline Range Organics (GRO) | 71 | 49 | mg/Kg | 10 | 1/12/2016 9:11:50 AM | R31381 |
| Surr: BFB | 105 | 66.2-112 | %REC | 10 | 1/12/2016 9:11:50 AM | R31381 |
| EPA METHOD 8260B: VOLATILES | SHORT LIST | | | | Analyst: | DJF |
| Benzene | 0.094 | 0.049 | mg/Kg | 2 | 1/12/2016 10:42:38 AM | 23148 |
| Toluene | 1.4 | 0.097 | mg/Kg | 2 | 1/12/2016 10:42:38 AM | 23148 |
| Ethylbenzene | 0.46 | 0.097 | mg/Kg | 2 | 1/12/2016 10:42:38 AM | 23148 |
| Xylenes, Total | 5.8 | 0.19 | mg/Kg | 2 | 1/12/2016 10:42:38 AM | 23148 |
| Surr: 1,2-Dichloroethane-d4 | 104 | 70-130 | %REC | 2 | 1/12/2016 10:42:38 AM | 23148 |
| Surr: 4-Bromofluorobenzene | 102 | 70-130 | %REC | 2 | 1/12/2016 10:42:38 AM | 23148 |
| Surr: Dibromofluoromethane | 103 | 70-130 | %REC | 2 | 1/12/2016 10:42:38 AM | 23148 |
| Surr: Toluene-d8 | 104 | 70-130 | %REC | 2 | 1/12/2016 10:42:38 AM | 23148 |

Qualifiers:

*

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

Value exceeds Maximum Contaminant Level.

- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

| Hall En | vironmental Anal | ysis Labora | tory, In | ıc. | | | Date Reported: 1/14/201 | 6 |
|--------------------------------|---|--------------|----------|------|--|-------------------------------------|---|--------|
| CLIENT: Project: Lab ID: | Blagg Engineering Atlantic B LS #1B 1601307-005 | Matrix: | SOIL | C | Client Sampl Collection I Received I | e ID: 5 I Date: 1/1 Date: 1/1 | PC-EB @ 15' 1/2016 1:12:00 PM 2/2016 7:10:00 AM | |
| Analyses | 1 | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | 3.1 | | | Analyst: | LGT |
| Chloride | | ND | 30 | | mg/Kg | 20 | 1/12/2016 12:42:45 PM | 23166 |
| EPA MET | HOD 8015M/D: DIESEL RA | ANGE ORGANIC | S | | | | Analyst: | TOM |
| Diesel Ra | ange Organics (DRO) | 13 | 9.3 | | mg/Kg | 1 | 1/12/2016 11:43:30 AM | 23163 |
| Surr: D | NOP | 85.4 | 70-130 | | %REC | 1 | 1/12/2016 11:43:30 AM | 23163 |
| EPA MET | HOD 8015D: GASOLINE R | ANGE | | | | | Analyst: | NSB |
| Gasoline | Range Organics (GRO) | 45 | 8.0 | | mg/Kg | 2 | 1/12/2016 1:30:44 PM | R31381 |
| Surr: B | FB | 162 | 66.2-112 | S | %REC | 2 | 1/12/2016 1:30:44 PM | R31381 |
| EPA MET | HOD 8260B: VOLATILES | SHORT LIST | | | | | Analyst: | DJF |
| Benzene | | 0.069 | 0.040 | | mg/Kg | 2 | 1/12/2016 12:35:46 PM | 23148 |
| Toluene | | 0.67 | 0.080 | | mg/Kg | 2 | 1/12/2016 12:35:46 PM | 23148 |
| Ethylbenz | zene | 0.20 | 0.080 | | mg/Kg | 2 | 1/12/2016 12:35:46 PM | 23148 |
| Xylenes, | Total | 3.0 | 0.16 | | mg/Kg | 2 | 1/12/2016 12:35:46 PM | 23148 |
| Surr: 1 | ,2-Dichloroethane-d4 | 99.5 | 70-130 | | %REC | 2 | 1/12/2016 12:35:46 PM | 23148 |
| Surr: 4 | -Bromofluorobenzene | 100 | 70-130 | | %REC | 2 | 1/12/2016 12:35:46 PM | 23148 |
| Surr: D | ibromofiuoromethane | 102 | 70-130 | | %REC | 2 | 1/12/2016 12:35:46 PM | 23148 |
| Surr T | oluene_d8 | 103 | 70-130 | | %REC | 2 | 1/12/2016 12:35:46 PM | 23148 |

Analytical Report Lab Order 1601307

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

| | | | | | D1 1 |
|-------------|----|---|----|--|--------------|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | В | Analyte detected in the associated Method | Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range | |
| | Η | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits | Page 5 of 9 |
| | ND | Not Detected at the Reporting Limit | Р | Sample pH Not In Range | 1 450 5 01 5 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | |
| | S | % Recovery outside of range due to dilution or matrix | | | |
| | | | | | |

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601307

14-Jan-16

| Client: Project: | Blagg Atlant | Engineering ic B LS #1B | | inter al |
|-------------------------|-----------------|-----------------------------------|--|--|
| Sample ID Client ID: | MB-23166 PBS | SampType: MBLK Batch ID: 23166 | TestCode: EPA Method 300.0: Anions RunNo: 31394 | |
| Prep Date: | 1/12/2016 | Analysis Date: 1/12/2016 | SeqNo: 960997 Units: mg/Kg | |
| Analyte | | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RP | D RPDLimit Qual |
| Chloride | Sec. Con | ND 1.5 | | PLUX |
| Sample ID | LCS-23166 | SampType: LCS | TestCode: EPA Method 300.0: Anions | 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Client ID: | LCSS | Batch ID: 23166 | RunNo: 31394 | |
| Prep Date: | 1/12/2016 | Analysis Date: 1/12/2016 | SeqNo: 960998 Units: mg/Kg | |
| Analyte | | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RP | D RPDLimit Qual |
| Chloride | | 14 1.5 15.00 | 0 94.3 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
- R RPD outside accepted recovery limits
- 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

Page 6 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601307

14-Jan-16

| Client: Blagg Project: Atlant | Engineering tic B LS #1B | | and the second | |
|----------------------------------|-----------------------------|---------------------------|-----------------------|---------------|
| Sample ID MB-23163 | SampType: MBLK | TestCode: EPA Method | 8015M/D: Diesel Range | o Organics |
| Client ID: PBS | Batch ID: 23163 | RunNo: 31375 | | |
| Prep Date: 1/12/2016 | Analysis Date: 1/12/2016 | SeqNo: 960454 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Diesel Range Organics (DRO) | ND 10 | | | |
| Surr: DNOP | 9.2 10.00 | 91.7 70 | 130 | d Para and |
| Sample ID LCS-23163 | SampType: LCS | TestCode: EPA Method | 8015M/D: Diesel Range | Organics |
| Client ID: LCSS | Batch ID: 23163 | RunNo: 31375 | | |
| Prep Date: 1/12/2016 | Analysis Date: 1/12/2016 | SeqNo: 960455 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Diesel Range Organics (DRO) | 42 10 50.00 | 0 83.6 65.8 | 136 | |
| Surr: DNOP | 4.1 5.000 | 82.5 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
- R RPD outside accepted recovery limits
- 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

Page 7 of 9

Hall Environmental Analysis Laboratory, Inc. -

WO#: 1601307 14-Jan-16

| Client: Bl Project: At | agg Engineering lantic B LS #1B | | | | | | | | | |
|----------------------------|------------------------------------|--------|-----------|-------------|-----------|-----------|-------------|------------|----------|------|
| Sample ID 5ML RB | SampTyp | be: MI | BLK | Tes | tCode: E | PA Method | 8015D: Gase | oline Rang | е | |
| Client ID: PBS | Batch I | D: R3 | 81381 | F | RunNo: 3 | 1381 | | | | |
| Prep Date: | Analysis Dat | te: 1/ | 12/2016 | 5 | SeqNo: 9 | 60802 | Units: mg/k | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (G | RO) ND | 5.0 | | 1 | | | | | 1000 | |
| Surr: BFB | 900 | | 1000 | | 90.5 | 66.2 | 112 | and and | 126.136 | |
| Sample ID 2.5UG GR | DLCS SampTyp | be: LC | s | Tes | tCode: El | PA Method | 8015D: Gaso | oline Rang | e | |
| Client ID: LCSS | Batch I | D: R3 | 1381 | F | unNo: 3 | 1381 | | | | |
| Prep Date: | Analysis Dat | e: 1/ | 12/2016 | S | eqNo: 9 | 60803 | Units: mg/k | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (G | RO) 25 | 5.0 | 25.00 | 0 | 99.9 | 79.6 | 122 | | | |
| Surr: BFB | 960 | | 1000 | | 96.2 | 66.2 | 112 | | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 8 of 9

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering **Project:** Atlantic B LS #1B

Sample ID mb-23148 SampType: MBLK TestCode: EPA Method 8260B: Volatiles Short List Client ID: PBS Batch ID: 23148 RunNo: 31385 Analysis Date: 1/12/2016 SeqNo: 960917 Units: mg/Kg Prep Date: 1/11/2016 SPK value SPK Ref Val %REC LowLimit HighLimit Analyte Result PQL Benzene ND 0.050 ND 0.050 Toluene 0.050 ND Ethylbenzene Xylenes, Total ND 0.10 0.51 0.5000 102 70 Surr: 1,2-Dichloroethane-d4

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- P Sample pH Not In Range
- **Reporting Detection Limit** RL

WO#: 1601307 14-Jan-16

Qual

%RPD

130

RPDLimit

Page 9 of 9

| HALL Hall Environmental Environmental ANALYSIS LABORATORY TEL: 505-345- Website: www. | ental Analysis Laborat 4901 Hawkins Albuquerque, NM 87 3975-FAX: 505-345-4 ww.hallenvironmental.c | NE 109 Sam 107- com | ple Log-In Check Lis | st |
|--|---|-------------------------------------|----------------------------|-------|
| Client Name: BLAGG Work Order Num | nber: 1601307 | | ReptNo: 1 | |
| Received by/date: AT 01/12/116 | · | | | - |
| Logged By: Anne Thorne 1/12/2016 7:10:00 | AM | ame An | _ | |
| Completed By: Anne Thorne 1/12/2016 | | anne Am | _ | |
| Reviewed By: IC 01/12/13 | | | | |
| 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 | | | |
| logla | | | | |
| Was an attempt made to cool the samples? | Yes 🗹 | No 🗌 | | |
| 5. Were all samples received at a temperature of >0° C to 6.0°C | Yes 🗹 | No 🗌 | | |
| 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 🗹 | # of preserved | _ |
| 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes 🗹 | No 🗌 | for pH:(<2 or >12 unless r | noted |
| 3. Are matrices correctly identified on Chain of Custody? | Yes 🖌 | No 🗆 | Adjusted? | |
| 4. Is it clear what analyses were requested? | Yes 🗹 | No 🗌 | | |
| Were all holding times able to be met? (If no, notify customer for authorization.) | Yes 🗹 | No 🗌 | Checked by: | |
| pecial Handling (if applicable) | | | | |
| 16. Was client notified of all discrepancies with this order? | Yes | No 🗌 | NA 🗹 | |
| Person Notified: Date | • | | | |
| By Whom: Via: | eMail Ph | one 🗌 Fax | In Person | |
| Regarding: Client Instructions: | | | | |
| 17. Additional remarks: | | | | |
| 8. Cooler Information | Cool Data | Signad Dr. | | |
| 1 1.0 Good Yes | | Signed by | | |

| Cl ient: | h ain-c BLAG | of-Cus g engr | stody Record | Turn-Around | Rush | DAY | | | | H | | | El YS | NV SIS | JIF 5 L | CS Al | BO | ME | NTA | RY | |
|------------------|------------------------|------------------|-----------------------------|--|---------------------------------|--------------------------|--|------------------------------------|------------------|-------------|-------------|--------------|--------------|-------------------|----------------|-------------|---------------|------------------|-------------|----------------|------------------|
| lailing A | ddress: | P.O. BO | X 87 | TA | LANTIC B L | S # 1B | | 490 | 01 H | awk | ins N | IE - | Alb | ouqu | era | ue, N | MM 8 | 37109 | Э | | |
| | | BLOOM | FIELD, NM 87413 | Project #: | | | | Tel. 505-345-3975 Fax 505-345-4107 | | | | | | | | | | | | | |
| hone #: | | (505) 63 | 32-1199 | | | | Analysis Request | | | | | | | | | | | | | | |
| mail or F | ax#: | | | Project Manag | ger: | | | - | no | - | | | | 4) | | | | (न | | 1 | |
| A/QC Pa | ickage: ard | . [| Level 4 (Full Validation) | | JEFF BLAGG | | 3021B) | s only) | (1999) (1999) | | | (S) | | PO4, SO | PCB's | | | ter - 300 | | e | |
| ccreditat | tion: | | | Sampler: | NELSON VI | ELEZ MV | | (Ga | ORO | F | 1) | DSIN | | 10 ₂ , | 3082 | | | / wa | | Idm | |
|] NELAF | | Ohlee Ves UNo | | | | | | HdT | 1/0 | 418 | 504. | 827(| s | 03,1 | ss / 8 | | (YC | 300.0 | | ie sa | or N) |
| 1 EDD (1 Date | Type) Time | Matrix | Sample Request ID | Sample Temp Arollielly Container Type and # Mart Kas | erature Preservative Type | HEALNO. | BTEX + Meder | BTEX + MTBE + | TPH 8015B (GR | TPH (Method | EDB (Method | PAH (8310 or | RCRA 8 Metal | Anions (F,Cl,N | 8081 Pesticide | 8260B (VOA) | 8270 (Semi-V(| Chloride (soil - | Grab sample | t pt. composit | Air Bubbles (Y o |
| 11/16 | 132.4 | SPIL | 0 3PC - NORTH (5'10'15') | 4021 | Cool | 1007 | 1 | | 1 | | | | | | | | | 1 | Ť | #3 | - |
| 11/16 | 1333 | 50/L | @ 3PC- EAST (5,10,15') | 402-1 | Caol | -762 | 1 | | 1 | | - | | _ | | | | | 1 | | 3 | |
| 11/16 | 1330 | 50/L | 3 3PC-SOUTH (5',10',15') | 4021 | Cool | -703 | 1 | | ~ | | | | | | | | | 1 | + | 3 | |
| 111/16 | 1312 | SOIL | @ 3PC-WET (5'10'15') | 402-1 | COOL | -004 | ~ | | ~ | | | | | | | | | 1 | + | 3 | |
| 11/16 | 1320 | SOIL | EPC-EBCI5' | 4021 | Cool | 705 | 1 | | ~ | | | | | | _ | | | 1 | + | 5 | |
| | | 1.3.4 | | | | | | | - | | | | _ | | | | | | - | | |
| Date: | Time: | Relinquish | ed by: MVL | Received by: | alihota. | Date Time | Ren | nark: | s: RECT | LYT | O BP | : | | | | | | | 1. | | _ |
| | Time: | Relinquish | ed by: O restributes | Received by: | ne h | Date Time 0//2/16 | Steve Moskal, 200 Energy Court, Farmington, NM 87401 Work Order #: <u>N15639899</u> Code: <u>GL7451</u> | | | | .65 | - | | | | | | | | | |

If nacessary 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.



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

January 18, 2016

Jeff Blagg Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 320-1183 FAX (505) 632-3903

RE: ATLANTIC B LS #1B

OrderNo.: 1601508

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 3 sample(s) on 1/15/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Anal | | Lab Order 1601508 Date Reported: 1/18/201 | 6 | | | | | | | |
|--|--------------|--|------|---|--------|--|------------------|--|--|--|
| CLIENT: Blagg EngineeringProject: ATLANTIC B LS #1BLab ID: 1601508-001 | Matrix: | SOIL | C | le ID: 5PC-East 2 (5', 10', 15') Date: 1/14/2016 11:38:00 AM Date: 1/15/2016 7:56:00 AM | | | | | | |
| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch | | | |
| EPA METHOD 8015M/D: DIESEL RA | ANGE ORGANIC | S | | | | Analyst: | КЈН | | | |
| Diesel Range Organics (DRO) Surr: DNOP | 15 88.5 | 9.3 70-130 | | mg/Kg %REC | 1 1 | 1/15/2016 10:06:30 AM 1/15/2016 10:06:30 AM | 23231 23231 | | | |
| EPA METHOD 8015D: GASOLINE F | RANGE | | | | | Analyst: | NSB | | | |
| Gasoline Range Organics (GRO) Surr: BFB | 53 150 | 16 66.2-112 | S | mg/Kg %REC | 4 4 | 1/15/2016 10:01:26 AM 1/15/2016 10:01:26 AM | A31465 A31465 | | | |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: | NSB | | | |
| Benzene | 0.092 | 0.079 | | mg/Kg | 4 | 1/15/2016 10:01:26 AM | C31465 | | | |
| Toluene | 0.85 | 0.16 | | mg/Kg | 4 | 1/15/2016 10:01:26 AM | C31465 | | | |
| Ethylbenzene | 0.40 | 0.16 | | mg/Kg | 4 | 1/15/2016 10:01:26 AM | C31465 | | | |
| Xylenes, Total | 4.7 | 0.31 | | mg/Kg | 4 | 1/15/2016 10:01:26 AM | C31465 | | | |
| Surr: 4-Bromofluorobenzene | 151 | 80-120 | S | %REC | 4 | 1/15/2016 10:01:26 AM | C31465 | | | |

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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 6 J

Analytical Danaut

- P Sample pH Not In Range
- RL Reporting Detection Limit

| Hall Environmental Analy | | Lab Order 1601508 Date Reported: 1/18/2016 | | | | | | |
|--------------------------------|------------|---|------|--------------|-----------|--------------------------|--------|--|
| CLIENT: Blagg Engineering | | | C | lient Samp | le ID: 5P | C-South 2 (5', 10', 15') | | |
| Project: ATLANTIC B LS #1B | | 201 | | Collection . | Date: 1/1 | 14/2016 11:30:00 AM | | |
| Lab ID: 1601508-002 | Matrix: | SOIL | | Received | Date: 1/1 | 15/2016 7:56:00 AM | | |
| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch | |
| EPA METHOD 8015M/D: DIESEL RAM | GE ORGANIC | S | | | | Analyst | KJH | |
| Diesel Range Organics (DRO) | 10 | 9.5 | | mg/Kg | 1 | 1/15/2016 10:28:11 AM | 23231 | |
| Surr: DNOP | 90.9 | 70-130 | | %REC | 1 | 1/15/2016 10:28:11 AM | 23231 | |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | | Analyst: | NSB | |
| Gasoline Range Organics (GRO) | 17 | 3.7 | | mg/Kg | 1 | 1/15/2016 10:26:04 AM | A31465 | |
| Surr: BFB | 178 | 66.2-112 | S | %REC | 1 | 1/15/2016 10:26:04 AM | A31465 | |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: | NSB | |
| Benzene | 0.031 | 0.018 | | mg/Kg | 1 | 1/15/2016 10:26:04 AM | C31465 | |
| Toluene | 0.28 | 0.037 | | mg/Kg | 1 | 1/15/2016 10:26:04 AM | C31465 | |
| Ethylbenzene | 0.12 | 0.037 | | mg/Kg | 1 | 1/15/2016 10:26:04 AM | C31465 | |
| Xylenes, Total | 1.6 | 0.074 | | mg/Kg | 1 | 1/15/2016 10:26:04 AM | C31465 | |
| Surr: A Bromofluorohenzene | 151 | 80-120 | 2 | %PEC | 1 | 1/15/2016 10:26:04 AM | C31465 | |

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
- R RPD outside accepted recovery limits
- 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 Page 2 of 6

Analytical Report

- P Sample pH Not In Range
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601508

18-Jan-16

| Client: Blagg Project: ATL | g Engineering ANTIC B LS #1B |
|--|---|
| Sample ID MB-23231 Client ID: PBS Prep Date: 1/15/2016 | SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 23231 RunNo: 31458 Analysis Date: 1/15/2016 SeqNo: 962895 Units: mg/Kg |
| Analyte | Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Diesel Range Organics (DRO) Surr: DNOP | ND 10 8.8 10.00 87.9 70 130 |
| Sample ID LCS-23231 Client ID: LCSS | SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 23231 RunNo: 31458 |
| Prep Date: 1/15/2016 | Analysis Date: 1/15/2016 SeqNo: 962896 Units: mg/Kg |
| Analyte | Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Diesel Range Organics (DRO) | 47 10 50.00 0 94.6 65.8 136 |
| Surr: DNOP | 4.6 5.000 92.8 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
- R RPD outside accepted recovery limits
- 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

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601508

18-Jan-16

| Client: Blagg En Project: ATLAN | ngineering TIC B LS # | #1B | | | | | | | | |
|------------------------------------|--------------------------|---------|-----------|-------------|----------|------------|-------------|------------|----------|------|
| Sample ID 5ML RB | SampT | ype: MI | BLK | Tes | tCode: E | PA Method | 8015D: Gaso | oline Rang | e | |
| Client ID: PBS | Batch | ID: A3 | 1465 | F | RunNo: 3 | 1465 | | | | |
| Prep Date: | Analysis D | ate: 1 | 15/2016 | 5 | SeqNo: 9 | 63391 | Units: mg/k | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | 1 | 1 | ALC: AND A | | 100 | | |
| Surr: BFB | 910 | | 1000 | - Barthal | 91.3 | 66.2 | 112 | 144 | S. March | |
| Sample ID 2.5UG GRO LCS | SampT | ype: LC | s | Tes | tCode: E | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: LCSS | Batch | D: A3 | 1465 | F | RunNo: 3 | 1465 | | | | |
| Prep Date: | Analysis D | ate: 1/ | 15/2016 | S | SeqNo: 9 | 63392 | Units: mg/M | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 24 | 5.0 | 25.00 | 0 | 97.6 | 79.6 | 122 | 11 9 3 | | |
| Surr: BFB | 1100 | | 1000 | | 106 | 66.2 | 112 | | | |

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
- R RPD outside accepted recovery limits
- 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

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

Client: **Blagg Engineering** ATLANTIC B LS #1B **Project:**

-

| Sample ID 5ML RB | Samp | Гуре: М | BLK | Tes | tCode: E | PA Method | 8021B: Vola | tiles | | |
|----------------------------|------------|----------|-----------|-------------|----------|-----------|-------------|-------|----------|------|
| Client ID: PBS | Batc | h ID: C3 | 1465 | F | RunNo: 3 | 1465 | | | | |
| Prep Date: | Analysis [| Date: 1/ | 15/2016 | S | SeqNo: 9 | 63415 | Units: mg/H | ۲g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.050 | | | 1.5 | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.2 | | 1.000 | | 122 | 80 | 120 | | | S |
| Sample ID 100NG BTEX L | .CS Samp | Type: LC | s | Tes | tCode: E | PA Method | 8021B: Vola | tiles | | |
| Client ID: LCSS | Batc | h ID: C3 | 1465 | F | RunNo: 3 | 1465 | | | | |
| Prep Date: | Analysis I | Date: 1/ | 15/2016 | 5 | SeqNo: 9 | 63416 | Units: mg/k | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.93 | 0.050 | 1.000 | 0 | 92.8 | 80 | 120 | | 1.00 | |
| Toluene | 0.98 | 0.050 | 1.000 | 0 | 97.6 | 80 | 120 | | | |
| Ethylbenzene | 0.97 | 0.050 | 1.000 | 0 | 97.5 | 80 | 120 | | | |
| Xylenes, Total | 3.1 | 0.10 | 3.000 | 0 | 104 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.4 | | 1.000 | | 137 | 80 | 120 | | | S |

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank В
- Value above quantitation range Ε
- Analyte detected below quantitation limits J
- P Sample pH Not In Range
- RL **Reporting Detection Limit**

Page 6 of 6

18-Jan-16

1601508

WO#:

| HALL Hall ENVIRONMENTAL ANALYSIS LABORATORY TEL | l Environmental Analys. 4901 Albuquerqu 5: 505-345-3975 FAX: 5 Vebsite: www.hallenviro | is Laboratory Hawkins NE 10, NM 87109 105-345-4107 Inmental.com | Sample Log-In Check List | | | | |
|---|--|---|--------------------------|--|--|--|--|
| Client Name: BLAGG Work | Order Number: 1601 | 508 | | RcptNo: 1 | | | |
| Received by/date: AT 01/15/16 | | | | | | | |
| Logged By: Anne Thorne 1/15/201 | 6 7:56:00 AM | 4 | Ime Am | _ | | | |
| Completed By: Anne Thorne 1(15/201 | 6 | 4 | Im Am | | | | |
| Reviewed By: | 16 | | | | | | |
| 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? | Cour | ier | | | | | |
| Log In | | | | | | | |
| 4. Was an attempt made to cool the samples? | Yes | | No 🗌 | | | | |
| 5. Were all samples received at a temperature of >0° C | to 6.0°C Yes | | No 🗆 | | | | |
| 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 preserve | red? Yes | | No 🗌 | | | | |
| 9. Was preservative added to bottles? | Yes | | No 🗹 | NA 🗆 | | | |
| 0.VOA vials have zero headspace? | Yes | | No 🗆 | No VOA Viais | | | |
| 11. Were any sample containers received broken? | Yes | | No 🗹 | # of processing | | | |
| 12. Does paperwork match bottle labels? | Yes | | No 🗆 | # or preserved bottles checked for pH: | | | |
| (Note discrepancies on chain of custody) | | | | (<2 or >12 unless noted) Adjusted? | | | |
| 3. Are matrices correctly identified on Chain of Custody? | Yes | | | Adjusted i | | | |
| 4. Is it clear what analyses were requested? | Yes | | | Checked by: | | | |
| (If no, notify customer for authorization.) | 165 | | | | | | |
| pecial manoling (if applicable) | | | | | | | |
| 16. Was client notified of all discrepancies with this order? | Yes | | NO | | | | |
| Person Notified: By Whom: Regarding: | Date Via: eMa | il 🗌 Phone | Fax | In Person | | | |

17. Additional remarks:

18. Cooler Information

Client Instructions:

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.2 | Good | Yes | | 7 - 14 | |

| Cl lient: | Chain-of-Custody Record ient: BLAGG ENGR. / BP AMERICA | | | Turn-Around | Rush | SAME DAY | | | | FA | | | El YS | | JIF 5 L | OS Al | NI 30 | RA | NT/ | AL | r | |
|-----------------|---|------------|---|---|--------------------------------------|------------------|-----------------|------------------|---------------|------------------------|-------------------------|--------------|--------------|-----------------|---------------|-------------|--------------|------------------|----------------|---------------|------------------|----------------|
| lailing A | ddress: | P.O. BO | X 87 | TA | LANTIC B L | 5#1B | | 49 | 01 H | awk | ins l | VF - | All | nuan | era | ue. N | I.COT | 37109 | , | | | |
| | 191.7 | BLOOM | FIELD, NM 87413 | Project #: | | | | Te | 1. 50 | 5-34 | 15-3 | 975 | F | ax ! | 505- | 345 | -410 | 7 | | | | |
| hone #: | | (505) 63 | 32-1199 | | | | | Analysis Request | | | | | | | | | | | | | | |
| mail or F | ax#: | | | Project Mana | ger: | | | | nv | | 1.00 | | | 4) | | | | (1.0 | | T | | 1 |
| AVQC Pa | A/QC Package: Standard Level 4 (Full Validation) | | JEFF BLAGG | | | 3021B) | s only) | /WINO) | | | (S) | | PO4,SO | PCB's | | | iter - 300 | | a | , | | |
| ccreditation: | | Sampler: | NELSON VE | ELEZ ny | - Sa | i (Ga | DRO | 1) | 1 | OSIN | | VO2, | 808 | | | / M8 | | am | | | | |
|] NELAF | 2 | □ Other | - | On Ice | CYes :: | ⊡ No | | TPH | 101 | 418 | 504 | 827 | s | 103,1 | es / | | (AO) | 300.0 | | te So | IN | IN1 10 |
| Date | Time | Matrix | Sample Request ID | Sample Temp Container Type and # Mest K.f. | erature / c. Preservative Type | HEALNO HEALNO | BTEX + MTBE- | BTEX + MTBE + | TPH 8015B (GF | TPH (Method | EDB (Method | PAH (8310 or | RCRA 8 Metal | Anions (F,Cl; N | 8081 Pesticid | 8260B (VOA) | 8270 (Semi-V | Chloride (soil - | olamo Jano | # pt. composi | N and the los IV | All buyuna IIA |
| 14/16 | 1138 | SOIL | 5 8PC - East2 (5', 10', 15') | 4 oz 1 | Cool | -201 | v | | V | | | | | | | | | | - | 3 | 5 | 7 |
| -1 | | | per | | | | | | | | | | | | | | - | | + | 1 | \dagger | 1 |
| 114/16 | 1130 | SOIL | 5#PC - South2 (5', 10', 15') | 4 oz 1 | Cool | -002 | V | | V | | | | | | | | | | + | 3 | 5 | オ |
| | C. H. | | n | 1. | | | | | | | | | | 10 | | | | | + | 1 | T | 1 |
| 114/16 | HEZ | SOIL | 53PC - West2 (5', 10', 15') | 4 oz 1 | Cool | 703 | V | | V | | | | | | | | | | | 13 | 5 | 1 |
| | | | 205 | | | | | | | | | | | | | | | | + | | Ť | - |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | + | - |
| late: /14/16 | Time: 1350 | Relinquish | ed by: | Received by: | , Whele | Date Time | Rer BI St | nark LL DI | s: RECT | Plea LY T al, 20 | ise fo O BP DO Er | orwa | rd p | urt, F | nina | ry re | sults | M 87 | <u>P&B</u> | agg E | ingr | - |
| 14/16 | 116 1757 Christine Wasters | | Received by: Date Time Work Order #: <u>N15639899</u> Code: <u>GL74</u> | | | | | GL745 | 165 | | - | | | | | | | | | | | |

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.



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

January 29, 2016

Jeff Blagg Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 320-1183 FAX (505) 632-3903

RE: ATLANTIC B LS 1B

OrderNo.: 1601A36

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 3 sample(s) on 1/28/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Analy | 2. | Lab Order 1601A36 Date Reported: 1/29/2016 | | | | | | |
|---|------------|---|--|------------------------------------|---|-------|--|--|
| CLIENT: Blagg Engineering Project: ATLANTIC B LS 1B Lab ID: 1601A36-001 | Matrix: | SOIL | Client Sampl Collection I Received I | e ID: TH Date: 1/2 Date: 1/2 | H-11 (5'-10'-15') 27/2016 2:04:00 PM 28/2016 8:00:00 AM | | | |
| Analyses | Result | RL C | Qual Units | DF | Date Analyzed | Batch | | |
| EPA METHOD 8015M/D: DIESEL RAM | GE ORGANIC | S | 1 Carles | | Analyst | KJH | | |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 1/28/2016 9:50:10 AM | 23447 | | |
| Surr: DNOP | 96.5 | 70-130 | %REC | 1 | 1/28/2016 9:50:10 AM | 23447 | | |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analyst | NSB | | |
| Gasoline Range Organics (GRO) | ND | 3.4 | mg/Kg | 1 | 1/28/2016 10:27:37 AM | 23437 | | |
| Surr: BFB | 94.0 | 66.2-112 | %REC | 1 | 1/28/2016 10:27:37 AM | 23437 | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB | | |
| Benzene | ND | 0.034 | mg/Kg | 1 | 1/28/2016 10:27:37 AM | 23437 | | |
| Toluene | ND | 0.034 | mg/Kg | 1 | 1/28/2016 10:27:37 AM | 23437 | | |
| Ethylbenzene | ND | 0.034 | mg/Kg | 1 | 1/28/2016 10:27:37 AM | 23437 | | |
| Xylenes, Total | ND | 0.069 | mg/Kg | 1 | 1/28/2016 10:27:37 AM | 23437 | | |
| Surr: 4-Bromofluorobenzene | 112 | 80-120 | %REC | 1 | 1/28/2016 10:27:37 AM | 23437 | | |

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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Page 1 of 6 J

Analytical Report

- P Sample pH Not In Range
- RL Reporting Detection Limit

| Hall Environmental Analy | | Lab Order 1601A36 Date Reported: 1/29/2016 | | | | | | |
|--|---|---|------|-------|----|-----------------------|-------|--|
| CLIENT:Blagg EngineeringProject:ATLANTIC B LS 1BLab ID:1601A36-003 | Client Sample ID: SW Wall (5'-10'-15') Collection Date: 1/27/2016 2:47:00 PM Matrix: SOIL Received Date: 1/28/2016 8:00:00 AM | | | | | | | |
| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch | |
| EPA METHOD 8015M/D: DIESEL RAN | IGE ORGANIC | S | | 72.0 | | Analyst | KJH | |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 1/28/2016 10:36:00 AM | 23447 | |
| Surr: DNOP | 97.7 | 70-130 | | %REC | 1 | 1/28/2016 10:36:00 AM | 23447 | |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | | Analyst | NSB | |
| Gasoline Range Organics (GRO) | ND | 4.4 | | mg/Kg | 1 | 1/28/2016 11:14:45 AM | 23437 | |
| Surr: BFB | 100 | 66.2-112 | | %REC | 1 | 1/28/2016 11:14:45 AM | 23437 | |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst | NSB | |
| Benzene | ND | 0.044 | | mg/Kg | 1 | 1/28/2016 11:14:45 AM | 23437 | |
| Toluene | 0.045 | 0.044 | | mg/Kg | 1 | 1/28/2016 11:14:45 AM | 23437 | |
| Ethylbenzene | ND | 0.044 | | mg/Kg | 1 | 1/28/2016 11:14:45 AM | 23437 | |
| Xylenes, Total | 0.11 | 0.088 | | mg/Kg | 1 | 1/28/2016 11:14:45 AM | 23437 | |
| Surr: 4-Bromofluorobenzene | 118 | 80-120 | | %REC | 1 | 1/28/2016 11:14:45 AM | 23437 | |

Qualifiers: * Value exceeds Maximum

- * 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
- R RPD outside accepted recovery limits
- 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 Page 3 of 6

Analytical Report

- P Sample pH Not In Range
- RL Reporting Detection Limit

WO#: 1601A36

29-Jan-16

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering Project: ATLANTIC B LS 1B

| Sample ID MB-23447 | SampType: MBLK | TestCode: EPA Method | 8015M/D: Diesel Range | Organics |
|-----------------------------|--------------------------|---------------------------|-----------------------|--|
| Client ID: PBS | Batch ID: 23447 | RunNo: 31735 | | |
| Prep Date: 1/28/2016 | Analysis Date: 1/28/2016 | SeqNo: 971228 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qua |
| Diesel Range Organics (DRO) | ND 10 | | | A D S S S |
| Surr: DNOP | 9.9 10.00 | 98.8 70 | 130 | T. ATT. |
| Sample ID LCS-23447 | SampType: LCS | TestCode: EPA Method | 8015M/D: Diesel Range | Organics |
| Client ID: LCSS | Batch ID: 23447 | RunNo: 31735 | | |
| Prep Date: 1/28/2016 | Analysis Date: 1/28/2016 | SeqNo: 971229 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qua |
| Diesel Range Organics (DRO) | 43 10 50.00 | 0 85.7 65.8 | 136 | |
| Surr: DNOP | 4.4 5.000 | 88.7 70 | 130 | |
| Sample ID MB-23439 | SampType: MBLK | TestCode: EPA Method | 8015M/D: Diesel Range | Organics |
| Client ID: PBS | Batch ID: 23439 | RunNo: 31735 | | |
| Prep Date: 1/27/2016 | Analysis Date: 1/28/2016 | SeqNo: 971590 | Units: %REC | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Surr: DNOP | 11 10.00 | 114 70 | 130 | |
| Sample ID LCS-23439 | SampType: LCS | TestCode: EPA Method | 8015M/D: Diesel Range | Organics |
| Client ID: LCSS | Batch ID: 23439 | RunNo: 31735 | | |
| Prep Date: 1/27/2016 | Analysis Date: 1/28/2016 | SeqNo: 971591 | Units: %REC | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Surr: DNOP | 5.3 5.000 | 106 70 | 130 | and the second 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
- R RPD outside accepted recovery limits
- 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

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1601A36 29-Jan-16

| Project: ATLAN | NTIC B LS 1B | |
|--|---|--|
| Sample ID MB-23437 Client ID: PBS Prep Date: 1/27/2016 | SampType: MBLK Batch ID: 23437 Analysis Date: 1/28/2016 | TestCode: EPA Method 8015D: Gasoline Range RunNo: 31744 SeqNo: 971845 Units: mg/Kg |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Basoline Range Organics (GRO) Surr: BFB | ND 5.0 930 1000 | 92.7 66.2 112 |
| Sample ID LCS-23437 Client ID: LCSS Prep Date: 1/27/2016 | SampType: LCS Batch ID: 23437 Analysis Date: 1/28/2016 | TestCode: EPA Method 8015D: Gasoline Range RunNo: 31744 SeqNo: 971846 Units: mg/Kg |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Sasoline Range Organics (GRO) Surr: BFB | 24 5.0 25.00 1000 1000 | 0 0 97.5 79.6 122 101 66.2 112 |

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601A36

29-Jan-16

| Client: | Blagg Engineering |
|----------|-------------------|
| Project: | ATLANTIC B LS 1B |

| Sample ID MB-23437 Client ID: PBS | Samp ⁻ Batc | Гуре: МІ h ID: 23 | 3LK 437 | Tes | tCode: E RunNo: 3 | PA Method 1744 | 8021B: Vola | tiles | | |
|--------------------------------------|---------------------------|------------------------------------|------------|-------------|----------------------|-------------------|-------------|-------|----------|------|
| Prep Date: 1/27/2016 | Analysis [| Date: 1 | 28/2016 | 5 | SeqNo: 9 | 71860 | Units: mg/ł | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.050 | | | 1 12.25 | ALC: NO | | - 718 | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Kylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 112 | 80 | 120 | - 35a | | |
| Sample ID LCS-23437 | Samp | Type: LC | S | Tes | tCode: El | PA Method | 8021B: Vola | tiles | 1 14 A | |
| Client ID: LCSS | Batc | h ID: 23 | 437 | F | RunNo: 3 | 1744 | | | | |
| Prep Date: 1/27/2016 | Analysis [| Date: 1/ | 28/2016 | 5 | SeqNo: 9 | 71861 | Units: mg/k | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.88 | 0.050 | 1.000 | 0 | 87.7 | 80 | 120 | 1.00 | | |
| Foluene | 0.89 | 0.050 | 1.000 | 0 | 88.7 | 80 | 120 | | | |
| Ethylbenzene | 0.95 | 0.050 | 1.000 | 0 | 95.1 | 80 | 120 | | | |
| Kylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 97.3 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.2 | | 1.000 | | 115 | 80 | 120 | | | |

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
- R RPD outside accepted recovery limits
- 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

Page 6 of 6

| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental Albu TEL: 505-345-3975 Website: www.ha | Analysis Laborat 4901 Hawkins iquerque, NM 87 FAX: 505-345-4 llenvironmental.c | NE 109 Sam 107 com | ple Log-In Check List |
|---|--|--|------------------------------------|-------------------------------------|
| Client Name: BLAGG | Work Order Number: | 1601A36 | A PAPER | RcptNo: 1 |
| Received by/date: AT 01/23/16 | | | | |
| Logged By: Anne Thome 1 | /28/2016 8:00:00 AM | | anne Al- | _ |
| Completed By: Anne Thorne 1 | /28/2016 | | anne Ann | |
| Reviewed By: | 128/16 | | | |
| 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 🗆 | |
| 5. Were all samples received at a temperature of | f >0° C to 6.0°C | Yes 🗹 | No 🗆 | |
| 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 🗹 | # of preserved |
| 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes 🗹 | No 🗆 | for pH: (<2 or >12 unless noted) |
| 13. Are matrices correctly identified on Chain of C | ustody? | 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 | s order? | Yes | No 🗆 | NA 🗹 |

| Person Notified: | · · · · · · | Date Via: | 🗌 eMail | Phone | Fax | In Person |
|----------------------|-------------|-----------|---------|-------|-----|-----------|
| Regarding: | | ~ | | | | |
| Client Instructions: | | | | 4.9 | | |

17. Additional remarks:

18. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.0 | Good | Yes | | | |

| ient: | BLAG | -of-CL HMERL GENG | CA INEERING | Turn-Around □ Standard Project Name ATLENTL | Time: Rush CBLS | ASAI SAME | DAK | | 49 | 01 H | H A | HA NN www ins N | LL AL w.hal | EI YS Ilenv Alb | NV SIS | 71F 5 L ment | RO AE tal.co | NR 301 0m M 87 | 1EI RA 109 | NT/ TO | AL RY |
|----------------------|------------------------|-------------------------|----------------------------|---|------------------------------|----------------------------|----------------------|-------------|-------------|--------------|---------------|--------------------------|-------------------|--------------------------|-----------------------------------|--------------------|--------------------|--------------------------------|-------------------------|-----------|----------------|
| 1000 | # (50 | 5137 | 0-1183 | | | | | | T | el. 50 |)5-34 | 15-3 | 975 A | F | ax | 505- Reg | 345 | 4107 | | 1 | |
| nail o | r Fax#: | 5/ 5/ | | Project Mana | ger: | | | | (y) | Q | | | | | (4) | | | | | | |
| VQC I Stan | Package: dard | | Level 4 (Full Validation) | J- | BLAGE | | | \$ (8021 | (Gas or | SO PINE | | | (SMIS) | | PO4,SC | PCB's | | | | | |
| NEL | tation AP | □ Othe | er | Sampler: J On Ice | BLALL | . No | | | HGT + | RO / DF | 18.1) | 604.1) | 8270 5 | | O ₃ ,NO ₂ , | s / 8082 | | (A) | | | or N) |
| EDD Date | (Type)_ | Matrix | Sample Request ID | Sample Tem AT 01/23//6 Container Type and # MeatHCA | Preservative Type | <u>ло</u> нел 1401-А | L'No Bla | BTEX + MTBE | BTEX + MTBE | TPH 8015B (G | TPH (Method 4 | EDB (Method 5 | PAH's (8310 or | RCRA 8 Metals | Anions (F,CI,N | 808.1 Pesticide | 8260B (VOA) | 8270 (Semi-VC | | * | Air Bubbles (Y |
| 1/15 | 1404 | SULL | TH-11 (5-10-15) | 402 -1 | COUL | | -001 | × | | × | | | | _ | | | | | - | 1 | |
| () | 1431 | ir | TH-12 (5-10-15) | . (\ | ŧ٢ | | 202 | × | | × | | | | | | | - | | | ŧ | |
| 1(| 1447 | 1(| \$5W Wall (5-10-15) | 1(| (' | | 203 | × | | × | | | | | | | | | | T | |
| | | | | | | | | | | | | | | | | | | | | | |
| | · · · | | | | | | | | | 41 | | | | | | | | | - | + | + |
| | | 1 | | | | | | | | | | | | | 1 | | | | | | |
| | | | | | | 1 | | | | | | | | | | | | | _ | | |
| | | | | | | | | - | | 2.001 | - | | | | | | • | | + | - | |
| ate: 7/16 ate: | Time: (554 Time: | Relinquish | ed by: Becg G ed by: | Received by: Mustu Received by: | Waete | Date | Time 1584 Time | Rer | nark | s: W(| BIL | cod | SP ERS | : ^ | 115 | 63 | 151 | 399 | | .* . | |
| 1/10 | 1824 | 1 M | sthullle | 4 | 2 62 5 | Mal | 28/16 | | No. 1879 | A | a | on | TACT | T: | 57 | EL | IE | M | sk | 92 | |



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

January 29, 2016

Jeff Blagg Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 320-1183 FAX (505) 632-3903

RE: ATLANTIC B LS 1B

OrderNo.: 1601A37

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 1 sample(s) on 1/28/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Analy | vsis Labora | ntory, In | ıc. | | | Analytical Report Lab Order 1601A37 Date Reported: 1/29/20 | 16 |
|--|-------------|----------------|------|---------------|-----------|--|----------------|
| CLIENT: Blagg Engineering | | | 0 | lient Sampl | e ID: TH | I-13 (5'-10'-15') | |
| Project: ATLANTIC B LS 1B | | | | Collection | Date: 1/2 | 27/2016 3:02:00 PM | |
| Lab ID: 1601A37-001 | Matrix: | SOIL | | Received | Date: 1/2 | 28/2016 8:00:00 AM | |
| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANIC | S | | | | Analys | : KJH |
| Diesel Range Organics (DRO) Surr: DNOP | 21 97.6 | 9.8 70-130 | | mg/Kg %REC | 1 1 | 1/28/2016 10:57:37 AM 1/28/2016 10:57:37 AM | 23447 23447 |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | | Analys | NSB |
| Gasoline Range Organics (GRO) Surr: BFB | 87 130 | 21 66.2-112 | S | mg/Kg %REC | 5 5 | 1/28/2016 11:38:22 AM 1/28/2016 11:38:22 AM | 23437 23437 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst | NSB |
| Benzene | 0.11 | 0.11 | | mg/Kg | 5 | 1/28/2016 11:38:22 AM | 23437 |
| Toluene | 1.8 | 0.21 | | mg/Kg | 5 | 1/28/2016 11:38:22 AN | 23437 |
| Ethylbenzene | 0.60 | 0.21 | | mg/Kg | 5 | 1/28/2016 11:38:22 AM | 23437 |
| Xylenes, Total | 6.7 | 0.42 | | mg/Kg | 5 | 1/28/2016 11:38:22 AM | 23437 |
| Surr: 4-Bromofluorobenzene | 122 | 80-120 | S | %REC | 5 | 1/28/2016 11.38.22 AM | 23437 |

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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 4
- P Sample pH Not In Range
- RL Reporting Detection Limit

| Ha | 11 | Env | ire | onm | ental | Ana | lysis | Lal | bora | itory, | Inc. |
|----|----|-----|-----|-----|-------|-----|-------|-----|------|--------|------|
| | | | | | | | | | | | |

WO#: 1601A37

29-Jan-16

| Client: Project: | Blagg I ATLAN | Engineering NTIC B LS 1B |
|--|--------------------------------|--|
| Sample ID Client ID: Prep Date: | MB-23447 PBS 1/28/2016 | SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 23447 RunNo: 31735 Analysis Date: 1/28/2016 SeqNo: 971228 Units: mg/Kg |
| Analyte Diesel Range (Surr: DNOP | Organics (DRO) | Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual ND 10 99.9 10.00 98.8 70 130 130 130 130 |
| Sample ID Client ID: Prep Date: | LCS-23447 LCSS 1/28/2016 | SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 23447 RunNo: 31735 Analysis Date: 1/28/2016 SeqNo: 971229 Units: mg/Kg |
| Analyte Diesel Range C Surr: DNOP | Drganics (DRO) | Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 43 10 50.00 0 85.7 65.8 136 10 |
| Sample ID Client ID: Prep Date: Analyte Surr: DNOP | MB-23439 PBS 1/27/2016 | SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 23439 RunNo: 31735 Analysis Date: 1/28/2016 SeqNo: 971590 Units: %REC Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 11 10.00 114 70 130 130 |
| Sample ID Client ID: Prep Date: | LCS-23439 LCSS 1/27/2016 | SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 23439 RunNo: 31735 Analysis Date: 1/28/2016 SeqNo: 971591 Units: %REC |
| Surr: DNOP | 111-10 | Result Fight Server value Server Server Server </td |

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
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Detection Limit

Page 2 of 4

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601A37 29-Jan-16

| Client: Blagg F Project: ATLAN | Engineering NTIC B LS 1B | | | | | | | - 10 | |
|-----------------------------------|-----------------------------|-----------|-------------|----------|------------|-------------|-----------|-------------|------|
| Sample ID MB-23437 | SampType: MB | LK | Tes | tCode: E | PA Method | 8015D: Gaso | line Rang | je | |
| Client ID: PBS | Batch ID: 234 | 37 | F | RunNo: 3 | 1744 | | | | |
| Prep Date: 1/27/2016 | Analysis Date: 1/2 | 28/2016 | 5 | SeqNo: 9 | 71845 | Units: mg/k | (g | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND 5.0 | T.F. | | | PASSING ST | | | and a state | 1.00 |
| Surr: BFB | 930 | 1000 | 1 | 92.7 | 66.2 | 112 | 1.000 | | |
| Sample ID LCS-23437 | SampType: LCS | S | Tes | tCode: E | PA Method | 8015D: Gaso | line Rang | le | 1642 |
| Client ID: LCSS | Batch ID: 234 | 37 | F | RunNo: 3 | 1744 | | | | |
| Prep Date: 1/27/2016 | Analysis Date: 1/2 | 8/2016 | S | SeqNo: 9 | 71846 | Units: mg/k | g | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 24 5.0 | 25.00 | 0 | 97.5 | 79.6 | 122 | 1.2 | | - |
| Surr BFB | 1000 | 1000 | | 101 | 66.2 | 112 | | | |

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
- R RPD outside accepted recovery limits
- 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

Page 3 of 4

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering ATLANTIC B LS 1B **Project:**

| Sample ID MB-23437 Client ID: PBS | Samp | Type: MI h ID: 23 | BLK 437 | Tes | tCode: E RunNo: 3 | PA Method | 8021B: Vola | tiles | | |
|--------------------------------------|------------|----------------------|------------|-------------|----------------------|-----------|-------------|-------|----------|------|
| Prep Date: 1/27/2016 | Analysis I | Date: 1/ | 28/2016 | 5 | SeqNo: 9 | 71860 | Units: mg/k | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.050 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Kylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 112 | 80 | 120 | | | |
| Sample ID LCS-23437 | Samp | Гуре: LC | s | Tes | tCode: E | PA Method | 8021B: Vola | tiles | | |
| Client ID: LCSS | Batc | h ID: 23 | 437 | F | RunNo: 3 | 1744 | | | | |
| Prep Date: 1/27/2016 | Analysis [| Date: 1/ | 28/2016 | S | SeqNo: 9 | 71861 | Units: mg/h | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.88 | 0.050 | 1.000 | 0 | 87.7 | 80 | 120 | | | |
| Toluene | 0.89 | 0.050 | 1.000 | 0 | 88.7 | 80 | 120 | | | |
| Ethylbenzene | 0.95 | 0.050 | 1.000 | 0 | 95.1 | 80 | 120 | | | |
| Xylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 97.3 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 12 | | 1.000 | | 115 | 80 | 120 | | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded H
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits J
- Sample pH Not In Range P
- RL Reporting Detection Limit

Page 4 of 4

29-Jan-16

WO#: 1601A37

| ANALYSIS LABORATORY | Hall Environmental Albu TEL: 505-345-3975 Website: www.ha | Analysis Labo 4901 Hawl querque, NM FAX: 505-34 Ilenvironment | tans NE (87109 5-4107 tal.com | ple Log-In Check List |
|--|--|---|--|---|
| Client Name: BLAGG | Work Order Number: | 1601A37 | | RcptNo: 1 |
| Received by/date: AT01/28/14 | | | | |
| Logged By: Anne Thome 1/ | 28/2016 8:00:00 AM | | anne In- | _ |
| Completed By: Anne Thome 1/ | 28/2016 | | Ann An- | |
| Reviewed By: I O | 178/10 | | Claim Strain | |
| Chain of Custody | 1001 | | | |
| 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 🗆 | |
| 5. Were all samples received at a temperature of | >0° C to 6.0°C | Yes 🗹 | No 🗆 | |
| 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 p | reserved? | 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 🗹 | # of preserved |
| 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes 🗹 | No 🗆 | bottles checked for pH: (<2 or >12 unless noted |
| 3. Are matrices correctly identified on Chain of Cu | stody? | Yes 🗹 | No 🗌 | Adjusted? |
| 4. Is it clear what analyses were requested? | | Yes 🗹 | No 🗌 | |
| Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes 🗹 | No 🗌 | Checked by: |
| pecial Handling (if applicable) | | ¥ [] | No. [7] | |
| 16. Was client notified of all discrepancies with this | orderr | res 🗆 | | |
| Person Notified: By Whom: Regarding: Client Instructions: | Date Via: | eMail |] Phone 🗌 Fax | In Person |
| 17. Additional remarks: | | | | |
| 18. <u>Cooler Information</u> Cooler No Temp °C Condition Seal | Intact Seal No S | eal Date | Signed By | |
| | | | | |

| C lient: | BP BLA Address | of-Cu Aurei 66 Eu | MCG MPRAY | Tum-Around Time: Standard <u>XRush</u> <u>SAP</u> Project Name: ATLANTIC B LS 1B Project #: Project Manager: T- RcA66 | | | | 49 Te | 01 H | H A lawki | WWV ins N | LL AL v.hal NE - 975 | El YS Ienv Alb F | NV SIS | IF SL ment erque 505- | 20 AE al.co e, NI 345- | NN 301 om M 87 -4107 | 1EN RA | ITA | RY |
|-------------------------------------|---|---|---|---|-----------------------|-----------|---------------|----------------|----------------|-----------------|--|----------------------------------|------------------------------|------------------|-----------------------------------|------------------------------------|----------------------------------|-----------|--------|-------------------|
| Mail o A/QC I (Stan ccredi | r Fax#: Package: idard itation AP | | Level 4 (Full Validation) | Project Mana | ger: BA66 EBlog | 5 | THNBS (8021) | TPH (Gas only) | O / DRO MIRO) | 8.1) | 4.1) | 270 SIMS) | inery | "NO2, PO4, SO4) | 8082 PCB's | ues | (| | | (N) |
| Date | Time | Matrix | Sample Request ID | Sample Tenn A-01/25/16 Container Type and # Mecht Kot | Preservative Type | HEALING" | BTEX + MTBE = | BTEX + MTBE + | TPH 8015B (GR(| TPH (Method 418 | EDB (Method 504 | PAH's (8310 or 8 | RCRA 8 Metals | Anions (F,CI,NO3 | 8081 Pesticides / | 8260B (VOA) | 8270 (Semi-VOA | | | Air Bubbles (Y or |
| <u>'7/16</u> | 1502 | . Soil | TH-13(5-10-15) | 402-1 | Carl | | × | | X | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| ate: 27/6 ate: 1/10 | Time: 1554 Time: 1824 | Relinquishe Relinquishe Relinquishe samples subj | ed by: <u><u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u> | Received by: | Laut John Starter | Date Time | Rer | nark: | S: | Bru | e la | BI. N | D WS | tay | l l | ted on | the an | abdical | report | |



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

February 03, 2016

Jeff Blagg Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 632-1199 FAX (505) 632-3903

RE: Atlantic B LS 1B

OrderNo.: 1602032

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 4 sample(s) on 2/2/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Analy | vsis Labora | tory, Inc. | | | Lab Order 1602032 Date Reported: 2/3/2010 | 6 | |
|--|---|------------|-----------|----|--|-------|--|
| CLIENT:Blagg EngineeringProject:Atlantic B LS 1BLab ID:1602032-001 | Client Sample ID: Far W Ext W Wall 3-pointCollection Date: 2/1/2016 11:06:00 AMMatrix: SOILReceived Date: 2/2/2016 7:10:00 AM | | | | | | |
| Analyses | Result | PQL Q | ual Units | DF | Date Analyzed | Batch | |
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANIC | s | | | Analyst | кјн | |
| Diesel Range Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 2/2/2016 11:12:35 AM | 23521 | |
| Surr: DNOP | 84.2 | 70-130 | %Rec | 1 | 2/2/2016 11:12:35 AM | 23521 | |
| EPA METHOD 8015D: GASOLINE RA | ANGE | | | | Analyst | NSB | |
| Gasoline Range Organics (GRO) | ND | 4.1 | mg/Kg | 1 | 2/2/2016 10:33:30 AM | 23504 | |
| Surr: BFB | 91.0 | 66.2-112 | %Rec | 1 | 2/2/2016 10:33:30 AM | 23504 | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB | |
| Benzene | ND | 0.041 | mg/Kg | 1 | 2/2/2016 10:33:30 AM | 23504 | |
| Toluene | ND | 0.041 | mg/Kg | 1 | 2/2/2016 10:33:30 AM | 23504 | |
| Ethylbenzene | ND | 0.041 | mg/Kg | 1 | 2/2/2016 10:33:30 AM | 23504 | |
| Xylenes, Total | ND | 0.082 | mg/Kg | 1 | 2/2/2016 10:33:30 AM | 23504 | |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | %Rec | 1 | 2/2/2016 10:33:30 AM | 23504 | |

Analytical Report

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

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | В | Analyte detected in the associated Method Bl | lank |
|-------------|----|---|----|--|--------------|
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range | |
| | Η | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits | Page 1 of 7 |
| | ND | Not Detected at the Reporting Limit | Р | Sample pH Not In Range | |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit : | as specified |

| Analy | tical | Report | |
|-------|-------|--------|--|
|-------|-------|--------|--|

Lab Order 1602032

Date Reported: 2/3/2016

Hall Environmental Analysis Laboratory, Inc.

| | UOD RALEWID, DIEGEL D | ANCE OPCANIC | e . | | | Apply | ot KIL |
|----------|-----------------------|--------------|------|------|------------|------------------------------|--------|
| Analyses | | Result | PQL | Qual | Units | DF Date Analyzed | Batch |
| Lab ID: | 1602032-003 | Matrix: | SOIL | | Received | Date: 2/2/2016 7:10:00 AM | |
| Project: | Atlantic B LS 1B | | | | Collection | Date: 2/1/2016 11:24:00 AM | |
| CLIENT: | Blagg Engineering | | | C | lient Samp | le ID: Far W Ext N Wall 6-po | int |

| EPA WETHOD OUTSWID. DIESEL RANGE | ORGANIC | 5 | | | | Allalyst | . КЛ |
|----------------------------------|---------|----------|---|-------|---|----------------------|-------|
| Diesel Range Organics (DRO) | 13 | 10 | | mg/Kg | 1 | 2/2/2016 12:08:14 PM | 23521 |
| Surr: DNOP | 85.4 | 70-130 | | %Rec | 1 | 2/2/2016 12:08:14 PM | 23521 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst | : NSB |
| Gasoline Range Organics (GRO) | 13 | 4.8 | | mg/Kg | 1 | 2/2/2016 11:20:38 AM | 23504 |
| Surr: BFB | 135 | 66.2-112 | S | %Rec | 1 | 2/2/2016 11:20:38 AM | 23504 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst | NSB |
| Benzene | ND | 0.048 | | mg/Kg | 1 | 2/2/2016 11:20:38 AM | 23504 |
| Toluene | 0.15 | 0.048 | | mg/Kg | 1 | 2/2/2016 11:20:38 AM | 23504 |
| Ethylbenzene | 0.062 | 0.048 | | mg/Kg | 1 | 2/2/2016 11:20:38 AM | 23504 |
| Xylenes, Total | 0.71 | 0.095 | | mg/Kg | 1 | 2/2/2016 11:20:38 AM | 23504 |
| Surr: 4-Bromofluorobenzene | 117 | 80-120 | | %Rec | 1 | 2/2/2016 11:20:38 AM | 23504 |

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

| Q | uali | fie | rs: | |
|---|------|-----|-----|--|
|---|------|-----|-----|--|

*

- 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
- R RPD outside accepted recovery limits
- 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 Page 3 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

| Hall Environmental Analy | vsis Labora | tory, Inc. | | | Analytical Report Lab Order 1602032 Date Reported: 2/3/201 | 6 |
|---|-------------|------------|--|------------------------------------|---|-------|
| CLIENT: Blagg Engineering Project: Atlantic B LS 1B Lab ID: 1602032-004 | Matrix: | SOIL | Client Sampl Collection D Received D | e ID: Fa Date: 2/1 Date: 2/2 | r W Ext Base 5-point (1/2016 11:30:00 AM 2/2016 7:10:00 AM | @ 15' |
| Analyses | Result | PQL Q | ial Units | DF | Date Analyzed | Batch |
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANIC | s | | | Analyst | : KJH |
| Diesel Range Organics (DRO) | ND | 9.7 | mg/Kg | 1 | 2/2/2016 12:36:08 PM | 23521 |
| Surr: DNOP | 87.0 | 70-130 | %Rec | 1 | 2/2/2016 12:36:08 PM | 23521 |
| EPA METHOD 8015D: GASOLINE RA | ANGE | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | ND | 3.9 | mg/Kg | 1 | 2/2/2016 11:44:13 AM | 23504 |
| Surr: BFB | 101 | 66.2-112 | %Rec | 1 | 2/2/2016 11:44:13 AM | 23504 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB |
| Benzene | ND | 0.039 | mg/Kg | 1 | 2/2/2016 11:44:13 AM | 23504 |
| Toluene | 0.092 | 0.039 | mg/Kg | 1 | 2/2/2016 11:44:13 AM | 23504 |
| Ethylbenzene | ND | 0.039 | mg/Kg | 1 | 2/2/2016 11:44:13 AM | 23504 |
| Xylenes, Total | 0.15 | 0.077 | mg/Kg | 1 | 2/2/2016 11:44:13 AM | 23504 |
| Surr: 4-Bromofluorobenzene | 117 | 80-120 | %Rec | 1 | 2/2/2016 11:44:13 AM | 23504 |

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | В | Analyte detected in the associated Method I | Blank | |
|-------------|--|---|------------------------|--|-------------|--|
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range | | |
| | Н | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits | Page 4 of 7 | |
| | * 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 R RPD outside accepted recovery limits S % Recovery outside of range due to dilution or matrix | Р | Sample pH Not In Range | 1 age 4 01 7 | | |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | | |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specifie | | |
| | | | | | | |

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602032 03-Feb-16

| Client: Blag Project: Atla | gg Engineering ntic B LS 1B | |
|---|----------------------------------|---|
| Sample ID MB-23521 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics |
| Prep Date: 2/2/2016 | Analysis Date: 2/2/2016 | SeqNo: 974594 Units: mg/Kg |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Diesel Range Organics (DRO) Surr: DNOP | ND 10 8.1 10.00 | 80.7 70 130 |
| Sample ID LCS-23521 Client ID: LCSS | SampType: LCS Batch ID: 23521 | TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 31849 |
| Prep Date: 2/2/2016 | Analysis Date: 2/2/2016 | SeqNo: 974596 Units: mg/Kg |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Diesel Range Organics (DRO) | 38 10 50.00 | 0 76.4 65.8 136 |

Surr: DNOP 4.0 5.000 79.9 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
- R RPD outside accepted recovery limits
- 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

Page 5 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602032 03-Feb-16

| Client: Project: | Blagg Atlant | Engineering ic B LS 1B | | | | | | |
|---------------------|-----------------|---------------------------|-------------------|------------|-------------|------------|----------|------|
| Sample ID | MB-23504 | SampType: MBLK | TestCode: | EPA Method | 8015D: Gas | oline Rang | le | |
| Client ID: | PBS | Batch ID: 23504 | RunNo: | 31851 | | | | |
| Prep Date: | 2/1/2016 | Analysis Date: 2/2/2016 | SeqNo: | 974988 | Units: mg/l | Kg | | |
| Analyte | | Result PQL SPK valu | e SPK Ref Val %RE | C LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| Gasoline Range Organics (GRO) | ND | 5.0 | | | 1.00 | | | 14-7 | | |
|-------------------------------|------------|---------|-----------|-------------|----------|-----------|-------------|------------|----------|------|
| Surr: BFB | 930 | | 1000 | 1 | 93.2 | 66.2 | 112 | 1.16 | Long La | |
| Sample ID LCS-23504 | SampT | ype: LC | s | Tes | tCode: E | PA Method | 8015D: Gase | oline Rang | je | |
| Client ID: LCSS | Batch | ID: 23 | 504 | F | RunNo: 3 | 1851 | | | | |
| Prep Date: 2/1/2016 | Analysis D | ate: 2/ | 2/2016 | 5 | SeqNo: 9 | 74989 | Units: mg/H | ٨g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 25 | 5.0 | 25.00 | 0 | 101 | 79.6 | 122 | 1.1 | | |
| Surr: BFB | 980 | | 1000 | | 98.0 | 66.2 | 112 | | | |

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
- R RPD outside accepted recovery limits
- 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
- Page 6 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602032

03-Feb-16

Client: Blagg Engineering Project: Atlantic B LS 1B

| Sample ID MB-23504 | Sample ID MB-23504 SampType: MBLK | | | | tCode: E | PA Method | 8021B: Vola | tiles | | |
|----------------------------|-----------------------------------|----------|-----------|----------------------------|--------------|-----------|-------------|-------|----------|------|
| Client ID: PBS | Batch ID: 23504 | | | F | RunNo: 31851 | | | | | |
| Prep Date: 2/1/2016 | Analysis Date: 2/2/2016 | | 5 | SeqNo: 975028 Units: mg/Kg | | | ۲g | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.050 | | | | | | 1111 | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 113 | 80 | 120 | | | |
| Sample ID LCS-23504 | Samp | Гуре: LC | s | Tes | tCode: E | PA Method | 8021B: Vola | tiles | Sile C. | - |
| Client ID: LCSS | Batc | h ID: 23 | 504 | F | RunNo: 3 | 1851 | | | | |
| Prep Date: 2/1/2016 | Analysis [| Date: 2/ | 2/2016 | 5 | SeqNo: 9 | 75029 | Units: mg/k | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.0 | 0.050 | 1.000 | 0 | 103 | 80 | 120 | | 1.00 | |
| Toluene | 1.1 | 0.050 | 1.000 | 0 | 109 | 80 | 120 | | | |
| Ethylbenzene | 1.1 | 0.050 | 1.000 | 0 | 107 | 80 | 120 | | | |
| Xylenes, Total | 3.2 | 0.10 | 3.000 | 0 | 106 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 12 | | 1 000 | | 117 | 80 | 120 | | | |

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
- R RPD outside accepted recovery limits
- 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

Page 7 of 7

| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental Albu TEL: 505-345-3975 Website: www.ha | Analysi 4901 Iquerqu FAX: 5 Ilenviro | s Laborato Hawkins e, NM 871 05-345-41 nmental.c | NE 109 San 107 107 | nple Log-In Check List |
|--|--|--|--|------------------------------------|-----------------------------------|
| Client Name: BLAGG | Work Order Number: | 16020 | 32 | | RcptNo: 1 |
| Received by/date: AT 02/02/16 | | | | | |
| logged By: Anne Thorne | 2/2/2016 7:10:00 AM | | | anne An | ~ |
| completed By: Anne Thorne | 2/2/2016 | | | anne An | _ |
| Reviewed By: -TO | onlozia | | | | |
| hain of Custody | | | | | |
| . Custody seals intact on sample bottles? | | Yes | | No 🗌 | Not Present |
| . Is Chain of Custody complete? | | Yes | | No 🗌 | Not Present |
| . How was the sample delivered? | | Cour | ier | | |
| og In | | | | | |
| 4. Was an attempt made to cool the samples | \$? | Yes | | No 🗌 | na 🗆 |
| . Were all samples received at a temperatur | re of >0° C to 6.0°C | Yes | | No 🗆 | |
| 3. Sample(s) in proper container(s)? | | Yes | | No 🗌 | |
| 7. Sufficient sample volume for indicated test | (s)? | Yes | | No 🗆 | |
| 3. Are samples (except VOA and ONG) prope | erly preserved? | Yes | | No 🗌 | |
| . Was preservative added to bottles? | | Yes | | No 🗹 | NA 🗆 |
| 0.VOA vials have zero headspace? | | Yes | | No 🗆 | No VOA Vials |
| 1. Were any sample containers received brok | ken? | Yes | | No 🗹 | # of preserved |
| 2. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes | | No 🗌 | for pH: (<2 or >12 unless note |
| 3. Are matrices correctly identified on Chain of | of Custody? | Yes | | No 🗌 | Adjusted? |
| 4. Is it clear what analyses were requested? | | Yes | | No 🗌 | |
| 5. Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes | | No 🗌 | Checked by: |
| and Handling (if applicable) | | | | | |
| 6. Was client notified of all discrepancies with | this order? | Yes | | No 🗆 | NA 🗹 |
| Person Notified: By Whom: Regarding: | Date Via: [| _] eMa | iii 🗌 Pł | none 🗌 Fax | In Person |
| Client Instructions: | | | | | |
| 7. Additional remarks: | | | | | |
| 3. Cooler Information | | | | | 1112212 |

| ent: illing one a nail of | Hain- BP BLAé Address #: (5 Fax#: | -of-Cu Amer -6 Enic :: | Istody Record INCA HWEERWG 20 - 1183 | Turn-Around □ Standard Project Name ATLANT Project #: Project Mana | Time: X Rush a: C B L S ager: | ASAP <u>SAME DAt</u> 5 LB | | | 49) Te | 01 H | awki | HA WWW ins N 15-39 | LL AL v.hal NE - 975 A | El YS Ienv Alb F naly | ironi uqua ax /sis | /IF S L ment erque 505- Req | Ale tal.co e, Ni 345- uest | NR 30 0m 4107 | 1EI RA 109 | | RY | |
|--------------------------------------|--|---------------------------------|--|---|---|---------------------------------|----------|------------|-----------------|-------------|-------------|-----------------------------|---------------------------------------|--------------------------------------|-----------------------------|--|--|-------------------------------|------------------|-----|----|---------------|
| JQC I Stan credi NEL EDD | Package: dard tation AP (Type)_ | □ Othe | Level 4 (Full Validation) | J. J Sampler: J On Ice: Sample Tem | BLAGG T. BLAGG X Yes Berature: | 6- 12 No - 2- 12 O | | 002 (802) | 3E + TPH (Gas o | GRO / DRO (| 1418.1) | 1 504.1) | or 8270 SIMS) | als | NO3,NO2,PO4,S | ies / 8082 PCB's | | (OA) | | | | Y or N) |
| late | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No | | BTEX + MER | BTEX + MTB | TPH 8015B (| TPH (Method | EDB (Method | PAH's (8310 | RCRA 8 Met | Anions (F,Cl, | 8081 Pesticic | 8260B (VOA) | 8270 (Semi-V | | | | Air Bubbles (|
| 2016 | 1106 | SOIL U | FAR West Extension FAR West Extension South Wall 6- point | 408×1 | LOOL u | 7 | 001 | × | | x | | | | | | | | | | | | |
| 1 u | 1124 | и ; | PAR WEST EXTENSION NOCTHI Wall (5- Polint FAR WEST EXTENSION BASE 5-polint @ 15 | 4 | и .ť | 2 | 103 | × | | × × | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| te: /2016 ite: | Time: 1232 Time: | Relinquish | ed by: 1 Blogg ed by: | Received by: | bet | Date Tim | e 232 | Ren | narks | s: Wo | BILL | E | SP. Ri | N | 151 | 63 | 98 | 99 | | 1 | 1 | L |
| 1/10 | 1814 | 1/Jhn | stry Watter | M. | moh | om 02/02/1 | 10 | | <u>i</u> | | Con | tex | 7: | 5+ | - 7ª | ts i | 65 Nos | ika | 1 | The | | |

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.



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

February 08, 2016 Jeff Blagg Blagg Engineering

P. O. Box 87 Bloomfield, NM 87413 TEL: FAX

RE: Atlantic B LS 1B

OrderNo.: 1602192

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/5/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Hall Environmental Anal | ysis Labora | ntory, In | IC. | | | Analytical Report Lab Order 1602192 Date Reported: 2/8/2010 | 6 |
|-------------------------------|--------------|-----------|------|------------|-----------|---|--------|
| CLIENT: Blagg Engineering | | | С | lient Samp | le ID: TH | H-14 (5'-10'-15') 3 Pt | |
| Project: Atlantic B LS 1B | | | | Collection | Date: 2/4 | /2016 11:16:00 AM | |
| Lab ID: 1602192-001 | Matrix: | MEOH (S | OIL) | Received | Date: 2/5 | 5/2016 8:05:00 AM | |
| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
| EPA METHOD 8015M/D: DIESEL RA | ANGE ORGANIC | S | | | | Analyst | TOM |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 2/5/2016 10:44:21 AM | 23594 |
| Surr: DNOP | 96.4 | 70-130 | | %Rec | 1 | 2/5/2016 10:44:21 AM | 23594 |
| EPA METHOD 8015D: GASOLINE R | ANGE | | | | | Analyst | RAA |
| Gasoline Range Organics (GRO) | ND | 5.6 | | mg/Kg | 1 | 2/5/2016 12:28:10 PM | R31954 |
| Surr: BFB | 93.8 | 66.2-112 | | %Rec | 1 | 2/5/2016 12:28:10 PM | R31954 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst | RAA |
| Benzene | ND | 0.056 | | mg/Kg | 1 | 2/5/2016 12:28:10 PM | A31954 |
| Toluene | ND | 0.056 | | mg/Kg | 1 | 2/5/2016 12:28:10 PM | A31954 |
| Ethylbenzene | ND | 0.056 | | mg/Kg | 1 | 2/5/2016 12:28:10 PM | A31954 |
| Xylenes, Total | ND | 0.11 | | mg/Kg | 1 | 2/5/2016 12:28:10 PM | A31954 |
| Surr: 4-Bromofluorobenzene | 113 | 80-120 | | %Rec | 1 | 2/5/2016 12:28:10 PM | A31954 |

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | в | Analyte detected in the associated Method 1 | Blank |
|-------------|----|---|----|---|----------------|
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range | |
| | Н | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits | Page 1 of 5 |
| | ND | Not Detected at the Reporting Limit | Р | Sample pH Not In Range | rage rors |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limi | t as specified |

| Hall Environmental | Analysis Labora | atory, Inc. | | | Analytical Report Lab Order 1602192 Date Reported: 2/8/2016 | 5 |
|-------------------------------|------------------|-------------|--------------|-----------|---|--------|
| CLIENT: Blagg Engineering | | | Client Sampl | e ID: Th | I-15 (5'-10'-15') 3 Pt | |
| Project: Atlantic B LS 1B | | | Collection | Date: 2/4 | /2016 11:26:00 AM | |
| Lab ID: 1602192-002 | Matrix: | MEOH (SOIL |) Received | Date: 2/5 | 5/2016 8:05:00 AM | |
| Analyses | Result | PQL Qu | al Units | DF | Date Analyzed | Batch |
| EPA METHOD 8015M/D: DIES | EL RANGE ORGANIC | S | | | Analyst | том |
| Diesel Range Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 2/5/2016 11:05:43 AM | 23594 |
| Surr: DNOP | 97.9 | 70-130 | %Rec | 1 | 2/5/2016 11:05:43 AM | 23594 |
| EPA METHOD 8015D: GASOL | INE RANGE | | | | Analyst: | RAA |
| Gasoline Range Organics (GRO) |) ND | 4.6 | mg/Kg | 1 | 2/5/2016 12:51:39 PM | R31954 |
| Surr: BFB | 92.8 | 66.2-112 | %Rec | 1 | 2/5/2016 12:51:39 PM | R31954 |
| EPA METHOD 8021B: VOLAT | ILES | | | | Analyst: | RAA |
| Benzene | ND | 0.046 | mg/Kg | 1 | 2/5/2016 12:51:39 PM | A31954 |
| Toluene | ND | 0.046 | mg/Kg | 1 | 2/5/2016 12:51:39 PM | A31954 |
| Ethylbenzene | ND | 0.046 | mg/Kg | 1 | 2/5/2016 12:51:39 PM | A31954 |
| Xylenes, Total | ND | 0.092 | mg/Kg | 1 | 2/5/2016 12:51:39 PM | A31954 |
| Surr: 4-Bromofluorobenzene | 111 | 80-120 | %Rec | 1 | 2/5/2016 12:51:39 PM | A31954 |

| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | В | Analyte detected in the associated Method | Blank |
|-------------|----|---|----|--|----------------|
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range | |
| | Н | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits | Page 2 of 5 |
| | ND | Not Detected at the Reporting Limit | Р | Sample pH Not In Range | 1 age 2 01 5 |
| | R | RPD outside accepted recovery limits | RL | Reporting Detection Limit | |
| | S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit | t as specified |

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602192

08-Feb-16

| Client: | Blagg Engineering |
|----------|-------------------|
| Project: | Atlantic B LS 1B |

| Sample ID MB-23594 Client ID: PBS | Samp1 Batcl | Type: MI h ID: 23 | 594 | Tes | e Organics | | | | | | | |
|---|----------------|--|-----------|-------------|------------|---|--------------|------|----------|------|--|--|
| Prep Date: 2/5/2016 | Analysis E | nalysis Date: 2/5/2016 SeqNo: 977063 U | | | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Diesel Range Organics (DRO) Surr: DNOP | ND 9.4 | 10 | 10.00 | | 94.4 | 70 | 130 | | | | | |
| Sample ID LCS-23594 | SampT | ype: LC | S | Tes | tCode: El | EPA Method 8015M/D: Diesel Range Organics | | | | | | |
| Client ID: LCSS | Batcl | h ID: 23 | 594 | F | RunNo: 3 | 1943 | | | | | | |
| Prep Date: 2/5/2016 | Analysis E |)ate: 2/ | 5/2016 | 5 | SeqNo: 9 | 77064 | Units: mg/M | (g | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Diesel Range Organics (DRO) | 47 | 10 | 50.00 | 0 | 93.6 | 65.8 | 136 | 100 | | | | |
| Surr: DNOP | 4.6 | | 5.000 | | 92.7 | 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
- R RPD outside accepted recovery limits
- 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
- Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602192 08-Feb-16

| Client: | Blagg Engineering |
|----------|-------------------|
| Project: | Atlantic B LS 1B |

| Sample ID 2.5UG GRO LCS Client ID: LCSS Prep Date: | Samp Batc Analysis [| Type: LC h ID: R3 Date: 2/ | S 1954 /5/2016 | Tes F | tCode: E RunNo: 3 SeqNo: 9 | PA Method 1954 77487 | 8015D: Gaso Units: mg/H | oline Rang | le | |
|--|----------------------------|----------------------------------|----------------------|-------------|----------------------------------|----------------------------|----------------------------|------------|----------|------|
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 24 | 5.0 | 25.00 | 0 | 96.2 | 79.6 | 122 | 1 | | 1.5 |
| Surr: BFB | 1000 | | 1000 | | 101 | 66.2 | 112 | 1.7.1.4 | | 1 |
| Sample ID 5ML RB | Samp | Гуре: МВ | BLK | Tes | tCode: El | PA Method | 8015D: Gaso | oline Rang | e | 1 |
| Client ID: PBS | Batc | h ID: R3 | 1954 | F | RunNo: 3 | 1954 | | | | |
| Prep Date: | Analysis [| Date: 2/ | 5/2016 | 5 | SeqNo: 9 | 77488 | Units: mg/k | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | - | VI 65 | 5.1.1.1 | | 1.11 | | 1 |
| 0 0 1 , | | | | | | | | | | |

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
- R RPD outside accepted recovery limits
- 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

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

Client: Blagg Engineering **Project:**

Atlantic B LS 1B

| Sample ID | 1602192-001A MS | S Samp | Type: M | S | Tes | tCode: E | PA Method | 8021B: Vola | tiles | | |
|--|--|--|--|---|---|---|--|---|--|----------|------|
| Client ID: | TH-14 (5'-10'-15') | 3 P Bato | h ID: A3 | 1954 | F | RunNo: 3 | 1954 | | | | |
| Prep Date: | | Analysis I | Date: 2 | 5/2016 | 5 | SeqNo: 9 | 77493 | Units: mg/ł | ٢g | | |
| Analyte | 5 | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | | 0.48 | 0.056 | 1.116 | 0 | 43.0 | 71.5 | 122 | | | S |
| Toluene | | 0.49 | 0.056 | 1.116 | 0 | 43.8 | 71.2 | 123 | | | S |
| Ethylbenzene | | 0.48 | 0.056 | 1.116 | 0 | 42.7 | 75.2 | 130 | | | S |
| Xylenes, Total | | 1.5 | 0.11 | 3.348 | 0 | 43.4 | 72.4 | 131 | | | S |
| Surr: 4-Brom | nofluorobenzene | 1.3 | | 1.116 | | 120 | 80 | 120 | 1.1 | 19 | S |
| Sample ID | 1602192-001A MS | SD Samp | Type: MS | SD | Tes | tCode: El | PA Method | 8021B: Vola | tiles | 199 | |
| Client ID: | TH-14 (5'-10'-15') | 3 P Batc | h ID: A3 | 1954 | F | RunNo: 3 | 1954 | | | | |
| Prep Date: | | Analysis [| Date: 2/ | 5/2016 | S | SeqNo: 9 | 77494 | Units: mg/k | (g | | |
| Analyte | 1.1.1.1.1.1 | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | - E mar | 0.95 | 0.056 | 1.116 | 0 | 85.0 | 71.5 | 122 | 65.7 | 20 | R |
| Toluene | | 1.0 | 0.056 | 1.116 | 0 | 91.5 | 71.2 | 123 | 70.5 | 20 | R |
| Ethylbenzene | | 1.0 | 0.056 | 1.116 | 0 | 91.4 | 75.2 | 130 | 72.6 | 20 | R |
| Xylenes, Total | | 3.1 | 0.11 | 3.348 | 0 | 94.0 | 72.4 | 131 | 73.6 | 20 | R |
| Surr: 4-Brom | nofluorobenzene | 1.4 | | 1.116 | | 124 | 80 | 120 | 0 | 0 | S |
| | | | | | | | | | | | |
| Sample ID | 100NG BTEX LCS | Samp | Type: LC | S | Test | tCode: El | PA Method | 8021B: Vola | tiles | | |
| Sample ID Client ID: | 100NG BTEX LCS LCSS | S Samp Batc | Type: LC h ID: A3 | S 1954 | Test | tCode: El RunNo: 3 | PA Method 1954 | 8021B: Vola | tiles | | |
| Sample ID Client ID: Prep Date: | 100NG BTEX LCS LCSS | S Samp Batc Analysis I | Гуре: LC h ID: A3 Date: 2/ | S 1954 5/2016 | Test R S | tCode: El RunNo: 3 SeqNo: 9 | PA Method 1954 77496 | 8021B: Vola Units: mg/K | tiles (g | | |
| Sample ID Client ID: Prep Date: Analyte | 100NG BTEX LCS LCSS | S Samp Batc Analysis I Result | Type: LC h ID: A3 Date: 2/ PQL | S 1954 5/2016 SPK value | Test R SPK Ref Val | tCode: El RunNo: 3 GeqNo: 9 %REC | PA Method 1954 77496 LowLimit | 8021B: Vola Units: mg/K HighLimit | tiles (g %RPD | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene | 100NG BTEX LCS LCSS | S Samp Batc Analysis I Result 0.99 | Fype: LC h ID: A3 Date: 2/ PQL 0.050 | S 1954 5/2016 SPK value 1.000 | Test R S SPK Ref Val 0 | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 | PA Method 1954 77496 LowLimit 80 | 8021B: Vola Units: mg/K HighLimit 120 | tiles (g %RPD | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene Toluene | 100NG BTEX LCS LCSS | S Samp Batc Analysis I Result 0.99 1.0 | Type: LC h ID: A3 Date: 2/ PQL 0.050 0.050 | S 1954 5/2016 SPK value 1.000 1.000 | Tesi R SPK Ref Val 0 0 | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 102 | PA Method 1954 77496 LowLimit 80 80 | 8021B: Volar Units: mg/k HighLimit 120 120 | tiles (g %RPD | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene | 100NG BTEX LCS LCSS | S Samp Batc Analysis I Result 0.99 1.0 1.0 | Type: LC h ID: A3 Date: 2/ PQL 0.050 0.050 0.050 | S 1954 5/2016 SPK value 1.000 1.000 1.000 | Tes R S SPK Ref Val 0 0 0 0 | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 102 101 | PA Method 1954 77496 LowLimit 80 80 80 80 | 8021B: Volar Units: mg/k HighLimit 120 120 120 | tiles (g %RPD | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total | 100NG BTEX LCS LCSS | S Samp Batc Analysis I Result 0.99 1.0 1.0 3.0 | Type: LC h ID: A3 Date: 2/ PQL 0.050 0.050 0.050 0.10 | S 1954 5/2016 SPK value 1.000 1.000 1.000 3.000 | Tes R SPK Ref Val 0 0 0 0 0 0 | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 102 101 99.7 | PA Method 1954 77496 LowLimit 80 80 80 80 80 | 8021B: Volar Units: mg/k HighLimit 120 120 120 120 | tiles (g %RPD | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene Foluene Ethylbenzene Kylenes, Total Surr: 4-Brom | 100NG BTEX LCS LCSS | S Samp Batc Analysis I Result 0.99 1.0 1.0 3.0 1.2 | Type: LC h ID: A3 Date: 2/ PQL 0.050 0.050 0.050 0.050 0.10 | S 1954 5/2016 SPK value 1.000 1.000 3.000 1.000 | Tes R SPK Ref Val 0 0 0 0 0 | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 102 101 99.7 116 | PA Method 1954 77496 LowLimit 80 80 80 80 80 80 80 | 8021B: Volar Units: mg/k HighLimit 120 120 120 120 120 120 | tiles (g %RPD | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID | 100NG BTEX LCS LCSS nofluorobenzene 5ML RB | S Samp Batc Analysis I Result 0.99 1.0 1.0 3.0 1.2 Samp | Fype: LC h ID: A3 Date: 2/ PQL 0.050 0.050 0.050 0.10 | S 1954 5/2016 SPK value 1.000 1.000 3.000 1.000 3.000 1.000 | Tesi F S SPK Ref Val 0 0 0 0 Tesi | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 102 101 99.7 116 | PA Method 1954 77496 LowLimit 80 80 80 80 80 80 80 | 8021B: Volar Units: mg/H HighLimit 120 120 120 120 120 8021B: Volar | tiles (g %RPD | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: | 100NG BTEX LCS LCSS nofluorobenzene 5ML RB PBS | S Samp Batc Analysis I Result 0.99 1.0 1.0 1.0 3.0 1.2 Samp Batc | Fype: LC h ID: A3 Date: 2/ PQL 0.050 0.050 0.050 0.10 Fype: ME h ID: A3 | S 1954 5/2016 SPK value 1.000 1.000 3.000 1.000 3.000 1.000 | Tesi R S SPK Ref Val 0 0 0 0 Tesi R | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 102 101 99.7 116 tCode: El RunNo: 3 | PA Method 1954 77496 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80 | 8021B: Volar Units: mg/k HighLimit 120 120 120 120 120 8021B: Volar | tiles (g %RPD tiles | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: | 100NG BTEX LCS LCSS nofluorobenzene 5ML RB PBS | S Samp Batc Analysis I Result 0.99 1.0 1.0 3.0 1.2 Samp Batc Analysis I | Type: LC h ID: A3 Date: 2/ PQL 0.050 0.050 0.050 0.050 0.10 Type: ME h ID: A3 Date: 2/ | S 1954 5/2016 SPK value 1.000 1.000 3.000 1.000 3LK 1954 5/2016 | Tesi R S SPK Ref Val 0 0 0 0 Tesi R S | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 102 101 99.7 116 tCode: El RunNo: 3 SeqNo: 9 | PA Method 1954 77496 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80 | 8021B: Volar Units: mg/k HighLimit 120 120 120 120 8021B: Volar Units: mg/k | tiles (g %RPD tiles | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Kylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte | 100NG BTEX LCS LCSS nofluorobenzene 5ML RB PBS | S Samp Batc Analysis I Result 0.99 1.0 1.0 1.0 3.0 1.2 Samp Batc Analysis I Result | Fype: LC h ID: A3 Date: 2/ PQL 0.050 0.050 0.050 0.050 0.10 Fype: ME h ID: A3 Date: 2/ PQL | S 1954 5/2016 SPK value 1.000 1.000 3.000 1.000 3.000 1.000 3.000 1.000 3.000 5.0000 5.00000 5.00000 5.0000 5.00000 5.000000 5.0000 5.00000000 | Tesi R SPK Ref Val 0 0 0 0 Tesi R SPK Ref Val | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 102 101 99.7 116 tCode: El RunNo: 3 SeqNo: 9 %REC | PA Method 1954 77496 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80 | 8021B: Volar Units: mg/k HighLimit 120 120 120 120 8021B: Volar Units: mg/k HighLimit | tiles (g %RPD tiles (g %RPD | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte Benzene | 100NG BTEX LCS LCSS nofluorobenzene 5ML RB PBS | Samp Batc Analysis I Result 0.99 1.0 1.0 1.0 3.0 1.2 Samp Batc Analysis I Result ND | Fype: LC h ID: A3 Date: 2/ PQL 0.050 0.050 0.050 0.10 Fype: ME h ID: A3 Date: 2/ PQL 0.050 | S 1954 5/2016 SPK value 1.000 1.000 3.000 1.000 3.000 1.000 3.000 1.000 3.000 5.0000 5.0000 5.0000 5.0000 5.0000 5.0000 5.0000 5.0000 5.0000 5.0000 5.0000 5.00000 5.0000 5.0000 5.0000 5.00000 5.0000 5.00000 5.00000 5.00000 5.000000 5.00000 5.00000000 | Tesi R S SPK Ref Val 0 0 0 0 Tesi R SPK Ref Val | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 102 101 99.7 116 tCode: El cunNo: 3 SeqNo: 9 %REC | PA Method 1954 77496 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80 | 8021B: Volar Units: mg/k HighLimit 120 120 120 120 120 8021B: Volar Units: mg/k HighLimit | tiles (g %RPD tiles (g %RPD | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte Benzene Toluene | 100NG BTEX LCS LCSS nofluorobenzene 5ML RB PBS | S Samp Batc Analysis I Result 0.99 1.0 1.0 1.0 3.0 1.2 Samp Batc Analysis I Result ND ND | Fype: LC h ID: A3 Date: 2/ PQL 0.050 0.050 0.050 0.10 Fype: ME h ID: A3 Date: 2/ PQL 0.050 0.050 | S 1954 5/2016 SPK value 1.000 1.000 3.000 1.000 3.000 1.000 SLK 1954 5/2016 SPK value | Tes R S SPK Ref Val 0 0 0 0 Test R S SPK Ref Val | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 102 101 99.7 116 tCode: El RunNo: 3 SeqNo: 9 %REC | PA Method 1954 77496 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80 | 8021B: Volat Units: mg/K HighLimit 120 120 120 120 8021B: Volat Units: mg/K HighLimit | tiles (g %RPD tiles (g %RPD | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte Benzene Foluene Ethylbenzene | 100NG BTEX LCS LCSS tofluorobenzene 5ML RB PBS | S Samp Batc Analysis I Result 0.99 1.0 1.0 3.0 1.2 Samp Batc Analysis I Result ND ND ND | Type: LC h ID: A3 Date: 2/ PQL 0.050 0.050 0.050 0.050 0.10 Fype: ME h ID: A3 Date: 2/ PQL 0.050 0.050 0.050 0.050 0.050 0.050 0.050 | S 1954 5/2016 SPK value 1.000 1.000 3.000 1.000 3LK 1954 5/2016 SPK value | Tesi R S SPK Ref Val 0 0 0 0 Tesi R SPK Ref Val | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 102 101 99.7 116 tCode: El SeqNo: 9 %REC | PA Method 1954 77496 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80 | 8021B: Volat Units: mg/k HighLimit 120 120 120 120 8021B: Volat Units: mg/k HighLimit | tiles (g %RPD tiles (g %RPD | RPDLimit | Qual |
| Sample ID Client ID: Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Brom Sample ID Client ID: Prep Date: Analyte Benzene Foluene Ethylbenzene Kylenes, Total | 100NG BTEX LCS LCSS nofluorobenzene 5ML RB PBS | S Samp Batc Analysis I Result 0.99 1.0 1.0 3.0 1.2 Samp Batc Analysis I Result ND ND ND ND | Type: LC h ID: A3 Date: 2/ PQL 0.050 0.050 0.050 0.050 0.10 Fype: ME h ID: A3 Date: 2/ PQL 0.050 0.040: A3 Date: 2/ PQL 0.050 0.050 0.050 0.050 0.050 0.050 0.10 | S 1954 5/2016 SPK value 1.000 1.000 3.000 1.000 3LK 1954 5/2016 SPK value | Tesi R S SPK Ref Val 0 0 0 0 Tesi R SPK Ref Val | tCode: El RunNo: 3 SeqNo: 9 %REC 99.4 102 101 99.7 116 tCode: El RunNo: 3 SeqNo: 9 %REC | PA Method 1954 77496 LowLimit 80 80 80 80 80 80 80 80 80 80 80 74 Method 1954 77497 LowLimit | 8021B: Volat Units: mg/k HighLimit 120 120 120 120 8021B: Volat Units: mg/k HighLimit | tiles (g %RPD tiles (g %RPD | RPDLimit | Qual |

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- Sample Diluted Due to Matrix D
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank В
- 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

Page 5 of 5

WO#: 1602192

08-Feb-16

| HALL ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-34. Website: W | mental Analysis Labor 4901 Hawkin Albuquerque, NM 8 5-3975 FAX: 505-345- vww.hallenvironmenta | atory 18 NE 17109 Sam 4107 A.com | ple Log-In Che | ck List |
|---|---|--|----------------------------|-----------------|
| Client Name: BLAGG / Work Order N | umber: 1602192 | | RcptNo: 1 | |
| Received by/date: AM 02/0 | 05/10 | | | |
| Logged By: Ashley Gallegos 2/5/2016 8:05:00 | AM | AJ | | |
| Completed By: Ashley Gallegos 2/5/2016 8:45:26 | AM | AZ | | |
| Reviewed By: 02/05 | 116 | 0 | | |
| 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(e) in proper container(e)? | Van M | No 🗔 | | |
| C. Sample(s) in proper container(s) | ies 🖸 | | | |
| 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 🗆 | |
| | | | | |
| 0.VOA vials have zero headspace? | Yes 🗋 | No 🗆 | No VOA Viais | |
| 1. Were any sample containers received broken? | Yes 🗆 | No 💇 | # of preserved | |
| 12 Does nanenwork match bottle labels? | Yes V | No 🗌 | bottles checked for pH: | |
| (Note discrepancies on chain of custody) | | | (<2 or >12 | 2 unless noted) |
| 3. Are matrices correctly identified on Chain of Custody? | Yes 🗹 | No 🗌 | Adjusted? | |
| 4. Is it clear what analyses were requested? | Yes 🗹 | No 🗌 | | |
| 5. Were all holding times able to be met? | Yes 🔽 | . No 🗋 | Checked by: | |
| (in no, nonly customer for autionization.) | | | | |
| necial Handling (if applicable) | | | | |
| 6 Was client notified of all discremencies with this order? | Ves | No 🗔 | NA V | |
| | | | | |
| Person Notified: D | ate j | | | |
| By Whom: V | | Pnone Fax | | |
| Client Instructions: | | 1. Mar 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 - 2000 | | |
| | | | | |
| I / . Additional remarks: | | | | |
| 18. Cooler Information | | | | |
| Cooler No Temp °C Condition Seal Intact Seal N | o Seal Date | Signed By | | |
| | | | | |

| Chain-of-Custody Record | | | | Turn-Around Time: Standard XRush SAME DAY | | | | HALL ENVIRONMENTAL | | | | | | | | | | | | | |
|---|---------------------------------|-------------|--|--|-----------------------|--|-------------|---------------------------|-------------|------------|------------|-------------------|------------|---------------|---------------|------------|-------------|----------|----------|---|---------------|
| BLAGG ENGINEERNG | | | | Project Name: ATLANTIC B LS 1B | | | | www.hallenvironmental.com | | | | | | | | | | | | | |
| | | - 7- | | Project #: | | | | Te | el. 50 |)5-34 | 15-39 | 975 | F | ax | 505- | 345 | 4107 | 7 | | | |
| 10ne #: 520 - 418.5 nail or Fax#: VQC Package: VQC Package: C Level 4 (Full Validation) | | | | Project Manager: J- BLAGG | | | | Gas only) | (iother) | | | (SMI) | naiy | 04,SO4) | PCB's | ues | | | | | |
| credi NEL | tation AP | Othe | er | Sampler: J On Ice: | - BLAGG | | SIGNAL T |) HGT + 3 | BRO / DR | 418.1) | 504.1) | or 8270 S | S | VO3,NO2,F | as / 8082 | | (AO) | | | | or N) |
| Jate | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL NO. | TEX + MATER | ITEX + MTB | PH 8015B (0 | PH (Method | DB (Method | AH's (8310 c | CRA 8 Meta | nions (F,CI,N | 081 Pesticide | 260B (VOA) | 270 (Semi-V | | | | ir Bubbles (Y |
| 4/16 | 1116 | SOIL | TH-14 (5-10-15) | 40321 | COUL | -001 | | | × | - | ш | <u>a</u> | CK. | A | 00 | 00 | 8 | | | | A |
| 4 | 1126 | ับ | TH-15 (5-10-15) 3-point | - 10 | и | -002 | × | | × | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | + | + | |
| | | | | | | | | | | | | | | | | | | | - | + | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | - | - | |
| | Time: 1234 Time: \\$40 | Relinquish | Blogg ied by: attretthettas | Received by: Received by: | Later ozla | Date Time 2016 1234 Date Time Date Time | Rer | nark | s: W | BIL | CI | 3,0 DER DDE | | N1 GL | - 7 | 39 | 189 | G | | | |
| н | necessary, | semples sub | mitted to Hall Environmental may be subc | ontracted to other a | ceredited laboratorie | es. This serves as notice of thi | s possi | bility. | Апу за | ub-cont | tracte | d data | will be | e clear | ly not | ated or | n the a | nalytica | l report | | |

District 1 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 220 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-138 Revised August 1, 2011

6

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

| REQUEST FOR APPROVAL TO ACCEPT | SOLID WASTE |
|---|--|
| 1. Generator Name and Address: BP America Production Co. 200 Energy Ct. Farmington, NM 87401 | 168/16 -170 cut |
| 2. Originating Site: Atlantic B LS 001B Paykey: VHIXONEVRM | 19116 - 110 cg |
| 3. Location of Material (Street Address, City, State or ULSTR): QRT/QRT: NE/SE Unit: I Section: 33 T31N R10W | 1/10-5000 1/14/10-24000 |
| 4. Source and Description of Waste: sediment/sludge from tank clean-out on location Estimated Volume 15 yd ³ / bbls Known Volume (to be entered by the operator | at the end of the haul) 220 (yd ³) bbls |
| 5. GENERATOR CERTIFICATION STATEMENT OF W I. Steve Moskal BP America P certify that according to the Resource Conservation and Recovery Act (RCRA) and the US regulatory determination, the above described waste is: (Check the appropriate classification | ASTE STATUS roduction Company do hereby Environmental Protection Agency's July 1988 n) |
| RCRA Exempt: Oil field wastes generated from oil and gas exploration and produ exempt waste. Operator Use Only: Waste Acceptance Frequency Monthly | ction operations and are not 1 8 h non- |
| RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazar subpart D, as amended. The following documentation is attached to demonstrate the at the appropriate items) | the minimum standards for we dous by dous waste as defined in 40 C 261, poye-described waste is non-him (Check |
| □ MSDS Information □ RCRA Hazardous Waste Analysis ⊠ Process Knowledge | Other (Provide description |
| GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATE Steve Moskal , representative for required testing/sign the Generator Waste Testing Cert | MENT FOR LANDFARMS authorize Envirotech to co |
| I Holph, representative for TEA- representative samples of the oil field waste have been subjected to the paint filter test and to have been found to conform to the specific requirements applicable to landfarms pursuant to of the representative samples are attached to demonstrate the above-described waste conform 19.15.36 NMAC. | do hereby certify the sted for chloride content and that be bes bes bes bes bes bes bes bes bes |
| 5. Transporter: Crossfire | |
| CD Permitted Surface Waste Management Facility | 2#27 |
| Name and Facility Permit #: Industrial Ecosystems Inc., JFJ Waste Management Facili | ty (JFJ), Permit NM-01-0010B |
| Address of Facility: #49 CR 3150 Aztec, NM | |
| Method of Treatment and/or Disposal: | |
| Evaporation Injection Treating Plant I Landfarm I | andfill 🗌 Other |
| ste Acceptance Status: | (Must Be Maintained As Permanent Record) |
| RINT NAME: A Sciph TITLE: CLERK | DATE: 1/0/10 |
| IGNATURE: H Jolph TELEPHONE NO .: 1 | 122-1782 |
| Surraye trave management ravinty Autorized Agent | 14/1450 |