Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

**Release Notification and Corrective Action** 

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

|   |  |   |  |   |  | <b>OPERA</b>  | TOR  | 🛛 Initial Report 🔲 Final Repor                              |  |   |  |  |
|---|--|---|--|---|--|---|--|---|--|---|--|--|
| Name of Co  | ompany: H  | 3P America  | Productio  | n Company   |  | Contact: Courtney Cochran   |  |   |  |   |  |  |
| Address: 2  | 00 Energy  | Ct. Farming   | gton, NM   | 87401   |  | Telephone   | No.: 505-326-9   | 457   |  |   |  |  |
| Facility Na   | me: GCU  | 207E  |  |   |  | Facility Typ  | be: Natural Gas  | Well L  | ocation_   |   |  |  |
| Surface Ow  | ner: Fede  | eral  |  | Mineral (   | Owner:   | Federal   |  |   | API No.: 3004523897  |   |  |  |
| -   |  |   |  |   | ATION  | N OF RE   | LEASE  |   |  |   |  |  |
| Unit Letter<br>D  | Section<br>14  | Township<br>28N   | Range<br>12W   | Feet from the 950   | North/<br>North  | South Line  | Feet from the 1070   | East/V<br>West  | Vest Line  | County: S   | an Juan  |  |
|   | <u> </u>   |   | L  | ntitude36.0   | ⊥<br>56687   | Longitud  | le_108.08637_  |   |  | <u> </u>  |  |  |
|   |  |   |  | NAT   | TURE   | OF REL  | EASE   |   |  |   |  |  |
| Гуре of Rele  | ase: Hydro   | ocarbon   |  |   |  | Volume of   | Release: unknow  | vn  | Volume I   | Recovered:  | none   |  |
| Source of Re  | lease: 95 b  | arrel BGT   |  |   |  | Date and H  | Hour of Occurrenc  | e:  | Date and   | Hour of Dis   | covery:  | 4/11/2014  |
| Was Immedia   | ate Notice (   | Given?  |  |   |  | If YES. To  | Whom?  |   |  |   | · · · ·  |  |
| · · · · · · · · · · · · · · · · · · ·   |  |   | Yes 🗌  | No 🛛 Not R  | equired  | ,   |  |   |  |   |  |  |
| By Whom?  |  |   |  |   |  | Date and H  | lour   |   |  |   |  |  |
| Was a Water   | course Rea   | ched?   | Yes 🛛  | No  |  | If YES, Vo  | olume Impacting t  | the Wate  | ercourse.  |   |  |  |
| Describe Cau<br>During the st<br>are most like  | use of Probl<br>ripping of a<br>ly residual  | em and Reme<br>a well for reco<br>impacts from a  | dial Action<br>mpletion I<br>an old eart                                       | n Taken.*<br>hydrocarbon impa<br>hen pit on locatio   | acts were  | discovered b  | peneath a 95 barre<br>e is known to exis   | el BGT.<br>St at this                                       | The impace   | COD HPR<br>OIL CONS<br>DIST.  | 15 1<br>DIU<br>3<br>ical in na<br>2' below               | ature and grade.                                   |
| Describe Are  | a Affected<br>l be recomp  | and Cleanup A<br>leted and then   | Action Tak<br>evaluated  | en.*<br>for remedial effe   | orts. Init   | ial laboratory  | v analysis is includ   | ded with  | this report  |   |  |  |
| hereby certi<br>regulations a<br>public health<br>should their (<br>or the enviro)<br>rederal, state, | fy that the<br>Il operators<br>or the envi<br>operations h<br>nment. In a<br>, or local la | information gi<br>are required t<br>ronment. The<br>nave failed to a<br>addition, NMC<br>ws and/or regu | iven above<br>o report ar<br>acceptanc<br>adequately<br>OCD accep<br>ulations. | is true and comp<br>d/or file certain<br>the of a C-141 rep<br>investigate and to<br>tance of a C-141 | elete to the<br>release no<br>ort by the<br>remediate<br>report do | ne best of my<br>otifications a<br>e NMOCD m<br>e contaminations not reliev | knowledge and u<br>nd perform correc<br>arked as "Final R<br>on that pose a thr<br>e the operator of | nderstan<br>ctive acti<br>eport" d<br>eat to gr<br>responsi | ad that purs<br>ons for rel<br>oes not rel<br>ound water<br>bility for c | suant to NM<br>eases which<br>ieve the oper<br>r, surface wa<br>ompliance w | OCD rul<br>may end<br>ator of l<br>ter, hum<br>iter, hum | es and<br>langer<br>iability<br>an health<br>other |
| Signature: 🤇  | $\sum$   | 1P  | ¥  |   |  |   | <u>OIL CON</u>   | <u>SERV</u>   | ATION  | $\frac{\text{DIVISIC}}{1}$  | $\frac{N}{M}$  | $\overline{\mathcal{A}}$                           |
| Printed Name  | e: Courtne   | y Cochran   |  |   |  | Approved by   | Environmental S  | pecialist   | Com  | In  | 1  | Ð  |
| Title: Area F   | Environmen   | tal Advisor   | _  |   |  | Approval Da   | <u>te: 4/21/</u>   | 14 1  | Expiration   | Date:   |  |  |
| E-mail Addre  | ess: <u>Courtn</u>   | ey.Cochran@   | <u>bp.com</u>  |   |  | Conditions o  | f Approval:  |   |  | Attached  |  |  |
| Date: 4/15/3  | 014  | Phone: 505-   | 326-9457   |   |  |   |  |   |  |   |  |  |
| Attach Addi   | tional She   | ets If Necess   | ary  |   |  | Incid   | ent # N  | رن<br>۱۱ ک  | 41 115   | 5 135   | 7  |  |



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

April 10, 2014

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

RE: GCU 207E

OrderNo.: 1404118

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/2/2014 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,

antic

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

| Analytical Report        |  |  |  |  |  |  |  |
|--------------------------|--|--|--|--|--|--|--|
| Lab Order 1404118        |  |  |  |  |  |  |  |
| Date Reported: 4/10/2014 |  |  |  |  |  |  |  |

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg EngineeringClient Sample ID: 95 BGT 5-pt @ 6'Project:GCU 207ELab ID:1404118-001Matrix:SOILReceived Date:4/2/2014 9:45:00 AM

| Analyses                       | Result   | RL (     | Qual | Units | DF | Date Analyzed        | Batch         |
|--------------------------------|----------|----------|------|-------|----|----------------------|---------------|
| EPA METHOD 8015D: DIESEL RANGE | ORGANICS |          |      |       |    | Analys               | t: BCN        |
| Diesel Range Organics (DRO)    | 1900     | 99       |      | mg/Kg | 10 | 4/4/2014 1:51:00 PM  | 12515         |
| Surr: DNOP                     | 0        | 66-131   | S    | %REC  | 10 | 4/4/2014 1:51:00 PM  | 12515         |
| EPA METHOD 8015D: GASOLINE RAM | NGE      |          |      |       |    | Analys               | t: NSB        |
| Gasoline Range Organics (GRO)  | 430      | 48       |      | mg/Kg | 10 | 4/4/2014 4:17:00 PM  | 12511         |
| Surr: BFB                      | 383      | 74.5-129 | S    | %REC  | 10 | 4/4/2014 4:17:00 PM  | 12511         |
| EPA METHOD 8021B: VOLATILES    |          |          |      |       |    | Analys               | t: NSB        |
| Benzene                        | ND       | 0.24     |      | mg/Kg | 10 | 4/4/2014 4:17:00 PM  | 12511         |
| Toluene                        | ND       | 0.48     |      | mg/Kg | 10 | 4/4/2014 4:17:00 PM  | 12511         |
| Ethylbenzene                   | ND       | 0.48     |      | mg/Kg | 10 | 4/4/2014 4:17:00 PM  | 12511         |
| Xylenes, Total                 | 10       | 0.97     |      | mg/Kg | 10 | 4/4/2014 4:17:00 PM  | 12511         |
| Surr: 4-Bromofluorobenzene     | 120      | 80-120   | S    | %REC  | 10 | 4/4/2014 4:17:00 PM  | 12511         |
| EPA METHOD 300.0: ANIONS       |          |          |      |       |    | Analys               | t: <b>JRR</b> |
| Chloride                       | ND       | 30       |      | mg/Kg | 20 | 4/3/2014 1:30:09 PM  | 12522         |
| EPA METHOD 418.1: TPH          |          |          |      |       |    | Analys               | t: JME        |
| Petroleum Hydrocarbons, TR     | 4300     | 200      |      | mg/Kg | 10 | 4/3/2014 12:00:00 PM | 12509         |

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 Metho  | od Blank    |
|-------------|---|---|----|---|-------------|
|             | Е | Value above quantitation range                  | Н  | Holding times for preparation or analysis | s exceeded  |
|             | J | Analyte detected below quantitation limits      | ND | Not Detected at the Reporting Limit       | Page 1 of 6 |
|             | 0 | RSD is greater than RSDlimit                    | Р  | Sample pH greater than 2.                 | Fage 1010   |
|             | R | RPD outside accepted recovery limits            | RL | Reporting Detection Limit                 |             |
|             | S | Spike Recovery outside accepted recovery limits |    |   |             |
|             |   |   |    |   |             |

Blagg Engineering **Client:** GCU 207E **Project:** 

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| Sample ID MB-12522   | SampType: MBLK  | TestCode: EPA Method   | 300.0: Anions   |               |
|--|---|--|---|---------------|
| Client ID: PBS   | Batch ID: 12522   | RunNo: 17803   |   |               |
| Prep Date: 4/3/2014  | Analysis Date: 4/3/2014   | SeqNo: 513066  | Units: mg/Kg  |               |
| Analyte  | Result PQL SPK value  | SPK Ref Val %REC LowLimit  | HighLimit %RPD  | RPDLimit Qual |
| Chloride   | ND 1.5  |  |   |               |
|  |   |  |   |               |
| Sample ID LCS-12522  | SampType: LCS   | TestCode: EPA Method   | 300.0: Anions   |               |
| Sample ID LCS-12522<br>Client ID: LCSS                                   | SampType: LCS<br>Batch ID: 12522  | TestCode: EPA Method<br>RunNo: 17803   | 300.0: Anions   |               |
| Sample ID LCS-12522<br>Client ID: LCSS<br>Prep Date: 4/3/2014            | SampType: LCS<br>Batch ID: 12522<br>Analysis Date: 4/3/2014                         | TestCode: EPA Method<br>RunNo: 17803<br>SeqNo: 513067                              | 300.0: Anions<br>Units: mg/Kg                                 |               |
| Sample ID LCS-12522<br>Client ID: LCSS<br>Prep Date: 4/3/2014<br>Analyte | SampType: LCS<br>Batch ID: 12522<br>Analysis Date: 4/3/2014<br>Result PQL SPK value | TestCode: EPA Method<br>RunNo: 17803<br>SeqNo: 513067<br>SPK Ref Val %REC LowLimit | <b>300.0: Anions</b><br>Units: <b>mg/Kg</b><br>HighLimit %RPD | RPDLimit Qual |

#### Qualifiers:

- Value exceeds Maximum Contaminant Level. \*
- Ε Value above quantitation range
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
  - р Sample pH greater than 2.
  - Reporting Detection Limit RL

WO#: 1404118

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Client:Blagg EngineeringProject:GCU 207E

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|---|-------------------------|---------------------------|----------------|---------------|
| Sample ID MB-12509  | SampType: MBLK          | TestCode: EPA Method      | 418.1: TPH     |               |
| Client ID: PBS  | Batch ID: 12509         | RunNo: 17775              |                |               |
| Prep Date: 4/2/2014   | Analysis Date: 4/3/2014 | SeqNo: 512268             | Units: mg/Kg   |               |
| Analyte   | Result PQL SPK value    | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Petroleum Hydrocarbons, TR  | ND 20                   |                           |                |               |
| Sample ID LCS-12509   | SampType: LCS           | TestCode: EPA Method      | 418.1: TPH     |               |
| Client ID: LCSS   | Batch ID: 12509         | RunNo: 17775              |                |               |
| Prep Date: 4/2/2014   | Analysis Date: 4/3/2014 | SeqNo: 512269             | Units: mg/Kg   |               |
| Analyte   | Result PQL SPK value    | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Petroleum Hydrocarbons, TR  | 91 20 100.0             | 0 90.7 80                 | 120            |               |
| Sample ID LCSD-12509  | SampType: LCSD          | TestCode: EPA Method      | 418.1: TPH     |               |
| Client ID: LCSS02   | Batch ID: 12509         | RunNo: 17775              |                |               |
| Prep Date: 4/2/2014   | Analysis Date: 4/3/2014 | SeqNo: 512270             | Units: mg/Kg   |               |
| Analyte   | Result PQL SPK value    | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Quai |
| Petroleum Hydrocarbons, TR  | 94 20 100.0             | 0 93.5 80                 | 120 3.04       | 20            |

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

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1404118 10-Apr-14

WO#:

# QC SUMMARY REPORT

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| Hall Environmental Analysis Laboratory, Inc. |         |  |  |  |  |  |  |  |  |
|--|---------|--|--|--|--|--|--|--|--|
|  |         |  |  |  |  |  |  |  |  |
|  | nt n' ' |  |  |  |  |  |  |  |  |

WO#: 1404118

10-Apr-14

| Client:<br>Project:                   | Blagg Engineering<br>GCU 207E              | 2                    |                |             |   |               |             |            |          |      |
|---------------------------------------|--|----------------------|----------------|-------------|---|---------------|-------------|------------|----------|------|
| Sample ID MB-12                       | -12515 SampType: MBLK<br>S Batch ID: 12515 |                      |                | <br>Tes     | TestCode: EPA Method 8015D: Diesel Range Organics |               |             |            |          |      |
| Prep Date: 4/2/20                     | Bat<br>14 Analysis                         | ch ID: 12<br>Date: 4 | 515<br>/3/2014 | F           | RunNo: 1<br>SeqNo: 5                              | 7768<br>12740 | Units: mg/H | (g         |          |      |
| Analyte                               | Result                                     | PQL                  | SPK value      | SPK Ref Val | %REC  | LowLimit      | HighLimit   | %RPD       | RPDLimit | Qual |
| Diesel Range Organics (<br>Surr: DNOP | DRO) ND<br>8.2                             | 10                   | 10.00          |             | 81.9  | 66            | 131         |            |          |      |
| Sample ID LCS-12                      | s15 Samp                                   | Type: LC             | s              | Tes         | tCode: El   | PA Method     | 8015D: Dies | el Range ( | Organics |      |
| Client ID: LCSS                       | Bat  | ch ID: 12            | 515            | F           | RunNo: 1  | 7768          |             |            |          |      |
| Prep Date: 4/2/20                     | 14 Analysis                                | Date: 4/             | /3/2014        | 5           | SeqNo: 5  | 12742         | Units: mg/H | ٢g         |          |      |
| Analyte                               | Result                                     | PQL                  | SPK value      | SPK Ref Val | %REC  | LowLimit      | HighLimit   | %RPD       | RPDLimit | Qual |
| Diesel Range Organics (<br>Surr: DNOP | DRO) 52<br>4.2                             | 10                   | 50.00<br>5.000 | 0           | 104<br>83.5                                       | 60.8<br>66    | 145<br>131  |            |          |      |

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
  - P Sample pH greater than 2.
  - RL Reporting Detection Limit

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### QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Blagg Engineering **Client:** GCU 207E **Project:** 

| Sample ID MB-12511   | SampType   | SampType: MBLK TestCode: EPA Meth                            |                            |  |                                   | 1 8015D: Gasoline Range         |           |          |      |
|--|--|--|----------------------------|--|-----------------------------------|---------------------------------|-----------|----------|------|
| Client ID: PBS   | Batch ID:  | 12511  | RunNo: 17777               |  |                                   |                                 |           |          |      |
| Prep Date: 4/2/2014  | Analysis Date:   | 4/3/2014   | 5                          | SeqNo: 51  | 12609                             | Units: mg/K                     | g         |          |      |
| Anaiyte  | Result P   | QL SPK value   | SPK Ref Val                | %REC   | LowLimit                          | HighLimit                       | %RPD      | RPDLimit | Qual |
| Gasoline Range Organics (GRO)  | ND   | 5.0  |                            |  |                                   |                                 |           |          |      |
| Surr: BFB  | 850  | 1000   |                            | 84.8   | 74.5                              | 129                             |           |          |      |
| Sample ID LCS-12511  | SampType: LCS TestCode: EPA Method 8015D: Gasoline Range |  |                            |  |                                   |                                 |           |          |      |
|  | 1 21   |  |                            |  |                                   |                                 | -         |          |      |
| Client ID: LCSS  | Batch ID:  | 12511  | F                          | RunNo: 17  | 7777                              |                                 | -         |          |      |
| Client ID: LCSS<br>Prep Date: 4/2/2014   | Batch ID:<br>Analysis Date:                              | 12511<br>4/3/2014  | F                          | RunNo: 17<br>SegNo: 51                             | 7777<br>12610                     | Units: mg/K                     | g         |          | •    |
| Client ID: LCSS<br>Prep Date: 4/2/2014<br>Analyte                                  | Batch ID:<br>Analysis Date:<br>Result P0                 | <b>12511</b><br><b>4/3/2014</b><br>QL SPK value              | F<br>S<br>SPK Ref Val      | RunNo: 17<br>SeqNo: 51<br>%REC                     | 7777<br>12610<br>LowLimit         | Units: mg/K<br>HighLimit        | g<br>%RPD | RPDLimit | Qual |
| Client ID: LCSS<br>Prep Date: 4/2/2014<br>Analyte<br>Gasoline Range Organics (GRO) | Batch ID:<br>Analysis Date:<br>Result P(<br>26           | <b>12511</b><br><b>4/3/2014</b><br>QL SPK value<br>5.0 25.00 | F<br>S<br>SPK Ref Val<br>0 | RunNo: <b>17</b><br>SeqNo: <b>5</b><br>%REC<br>102 | 7777<br>12610<br>LowLimit<br>71.7 | Units: mg/K<br>HighLimit<br>134 | g<br>%RPD | RPDLimit | Qual |

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- Ê Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2.
- RL Reporting Detection Limit

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1404118

WO#:

### QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1404118

10-Apr-14

| Client:BlaggProject:GCU 2  | Engineering<br>207E |                         |           |             |                                       |           |             |              |          |      |
|----------------------------|---------------------|-------------------------|-----------|-------------|---------------------------------------|-----------|-------------|--------------|----------|------|
| Sample ID MB-12511         | Samp                | Гуре: МЕ                | 3LK       | Tes         | tCode: E                              | PA Method | 8021B: Vola | tiles        |          |      |
| Client ID: PBS             | Batc                | h ID: 12                | 511       | F           | RunNo: 17777                          |           |             |              |          |      |
| Prep Date: 4/2/2014        | Analysis [          | Analysis Date: 4/3/2014 |           |             | SeqNo: 512663                         |           |             | Units: mg/Kg |          |      |
| 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                   |           |             |                                       |           |             |              |          |      |
| Xylenes, Total             | ND                  | 0.10                    |           |             |                                       |           |             |              |          |      |
| Surr: 4-Bromofluorobenzene | 1.0                 |                         | 1.000     |             | 100                                   | 80        | 120         |              |          |      |
| Sample ID LCS-12511        | Samp                | Гуре: <b>LC</b>         | :s        | Tes         | tCode: El                             | PA Method | 8021B: Vola | tiles        |          | ÷    |
| Client ID: LCSS            | Batc                | h ID: 12                | 511       | F           | RunNo: 1                              | 7777      |             |              |          |      |
| Prep Date: 4/2/2014        | Analysis [          | Date: <b>4</b> /        | 3/2014    | S           | SeqNo: 5                              | 12664     | Units: mg/H | (g           |          |      |
| Analyte                    | Result              | PQL                     | SPK value | SPK Ref Val | %REC                                  | LowLimit  | HighLimit   | %RPD         | RPDLimit | Qual |
| Benzene                    | 1.1                 | 0.050                   | 1.000     | 0           | 109                                   | 80        | 120         |              |          |      |
| Toluene                    | 1.0                 | 0.050                   | 1.000     | 0           | 101                                   | 80        | 120         |              |          |      |
| Ethylbenzene               | 1.0                 | 0.050                   | 1.000     | 0           | 101                                   | 80        | 120         |              |          |      |
| Xylenes, Total             | 3.0                 | 0.10                    | 3.000     | 0           | 99.7                                  | 80        | 120         |              |          |      |
| Surr: 4-Bromofluorobenzene | 1.1                 |                         | 1.000     |             | 107                                   | 80        | 120         |              |          |      |

Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

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## ANALYSIS LABORATORY

#### 4901 Hawkins NE Albuquerque, NM 87105 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

1 . . .

| Client Name: BLAGG                           | Work Order Number       | : 1 <b>404118</b> |            | RcptNo: 1                         |                   |  |  |
|--|-------------------------|-------------------|------------|-----------------------------------|-------------------|--|--|
| Received by/date:                            | 04/02/14                |                   |            | . <u> </u>                        |                   |  |  |
| Logged By: Michelle Garcia                   | 4/2/2014 9:45:00 AM     |                   | -Minute Ga | run                               |                   |  |  |
| Completed By: Michelle Garcia                | 4/2/2014 1:33:53 PM     |                   | Muhille Co | un                                |                   |  |  |
| Reviewed By:                                 | 41150100                |                   |            |                                   |                   |  |  |
| 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           |            | -                                 |                   |  |  |
|  |                         |                   | ·          | -                                 | · 3.              |  |  |
| <u>Log In</u>                                |                         |                   |            | _                                 |                   |  |  |
| 4. Was an attempt made to cool the sam       | ples?                   | Yes 🗹             | No 🗌       | NA L.                             |                   |  |  |
| 5. Were all samples received at a temper     | ature 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) p        | roperly 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<br>bottles checked |                   |  |  |
| 12. Does paperwork match bottle labels?      |                         | Yes 🗹             | No 🗌       | for pH:                           | >12 unloss potod  |  |  |
| (Note discrepancies on chain of custo        | ly)                     |                   | No. 🗔      | Adjusted?                         | >12 unless hoteu) |  |  |
| 13. Are matrices correctly identified on Ch  | ain of Custody?         | res ⊻<br>Ves ☑    |            |                                   |                   |  |  |
| 14. Is it clear what analyses were requested | 307                     | Yes ₩             |            | Checked by:                       |                   |  |  |
| 15. Were all holding times able to be met?   | •                       | Yes 🗹             | NO         | Onecrea by.                       |                   |  |  |

| 16. Was client notified of all di | screpancies with this order?           |       | Yes [   | ] No []      | ) NA 🗹      |
|-----------------------------------|--|-------|---------|--------------|-------------|
| Person Notified:                  | ······································ | Date: |         |              |             |
| By Whom:                          | · · · · · · · · · · · · · · · · · · ·  | Via:  | 🗌 eMail | 🗌 Phone 🛄 Fa | x In Person |
| Regarding:                        |  | . 1   |         |              |             |
| Client Instructions:              |  |       |         | ورو معد الم  |             |

17. Additional remarks:

### 18. Cooler Information

| 1 | Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By. |
|---|-----------|---------|-----------|-------------|---------|-----------|------------|
| ľ | 1         | 1.4     | Good      | Yes         |         |           |            |

| BP America<br>Mailing Address: P.O. Box 87<br>Bloomfield, NM 87413 |          |            | Project Name:             |  |                      |              | Ĩ         |  | w                  | ww.ha     | allenvi | ronme               | ental.c      | om    |       |   |
|--|----------|------------|---------------------------|--|----------------------|--------------|-----------|--|--------------------|-----------|---------|---------------------|--------------|-------|-------|---|
|  |          |            | GCU 207E<br>Project #:    |  |                      |              | 49        | 901 H  | lawkin             | s NE      | - Albi  | Jauera              | iue. N       | IM 87 | 1     |   |
|  |          |            |                           |  |                      |              | т         | Fel. 505-345-3975 Fax 505-345-4                                    |                    |           |         |                     | -4107        | 107   |       |   |
| Phone #:   |          | (505)320   | 0-1183                    |  |                      |              |           |  |                    | Ana       |         |                     | ysis Request |       |       |   |
| email or Fax#  |          |            |                           | Project Manager:<br>Jeff Blagg             |                      |              |           |  | T                  |           |         |                     |              |       |       | - |
| QA/QC Packag   | je:      |            |                           |  |                      |              | 1         |  |                    |           |         | <b>}</b> · <b>}</b> |              |       |       |   |
| Standard   |          |            | Level 4 (Full Validation) | )  |                      |              |           |  | l Õ                |           |         |                     |              |       |       |   |
| D Other  |          |            |                           | Sampler:                                   | Sampler: Jeff Blagg  |              |           |  | RO / DI            |           | 1       |                     |              |       |       |   |
| EDD (Type  | ∍)       |            |                           | On ice:Yes: No.<br>Sample Temperature:   ↓ |                      |              |           |  |                    |           |         |                     |              |       | 11    |   |
| <u></u>  |          |            |                           |  |                      |              |           | -  | U<br>U             |           |         |                     |              |       |       |   |
| Date   | Time     | Matrix     | Sample Request ID         | Container<br>Type and #                    | Preservative<br>Type | HEAL NO.     | RTEX (80) |  | TPH 8015B          | TPH 418.1 |         |                     |              |       |       |   |
| 03/31/2014   | 14:10    | Soil       | 95 BGT 5-pt @ 6'          | 4oz x 1                                    | cool                 | -au          | ×         | -  | ×                  | x         |         |                     |              |       |       | - |
|  |          |            |                           |  |                      |              |           |  |                    |           |         |                     |              |       |       |   |
|  |          | +          |                           |  | <u> </u>             |              |           | 1  |                    |           | +       | <u>†</u> -†         |              | 1     |       |   |
|  |          | 1          |                           |  | <b>†</b>             |              |           | -  | <u> </u>           | ┝╼╌╉╼     | +       | ╀╌┨                 |              | +     | ╞┈┾   | - |
|  |          | ·          |                           |  |                      |              |           | +  |                    |           |         | +                   |              | +-    | ┝─┼   |   |
| +  | <u> </u> |            |                           |  |                      |              |           | +  | <b>†</b>           |           |         | ╈╍╋                 |              | +     | ┝╌┼   |   |
| +  |          | +          | <u>}</u>                  |  |                      | <u> </u>     |           | +  | +-                 |           | +       | ╆╾╉                 |              | +     | ┝──┼╸ | - |
|  | ·······  |            | <u> </u>                  |  |                      |              |           | +  |                    |           |         | ┼╌┼                 |              | +     | ┝─┼   | - |
| +  |          | · {        |                           |  |                      | <b></b>      |           | +  |                    |           |         | ╂─╂                 |              | +     | ┟╌╍╂╴ |   |
|  |          |            | <u> </u>                  |  |                      | <u> </u>     |           | +  |                    |           |         | ┼╼╌╀                |              | +     | ┝╼┼   |   |
|  | <u></u>  |            |                           |  | <u> </u>             |              |           | +  | $\left  - \right $ |           | +       | ╆╌╀                 |              | +     | ╞━┽   | _ |
|  |          | +          | <u></u>                   |  |                      |              |           | ┼┈╸  | ┠──┤               |           |         | ╁──╂                |              |       | ┝──┼  | - |
| Dates  | lime:    | Relinquist | hed by:                   | Received by:                               | <u>I</u>             | Date Time    | e Re      | mark   |                    | ill BP    |         |                     |              |       |       | _ |
| 4/1/2014   | 1555     | fift       | Blagg                     | Christer                                   | helen                | 4/1/2014 155 |           | Remarks: Bill BP<br>Paykey: ZDCS01GEN1<br>BB Contract: Joff Desses |                    |           |         |                     |              |       |       |   |
|  |          | Relinquist | hed by:                   | Received by:                               | A                    | Date Time    | e pe      | BP Contact: Jeff Peace Please copy results peace.jeffrey@bp.com    |                    |           |         |                     |              | ľ     |       |   |