NMOCD

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 APR 0 3 2018

Form C-141 Revised April 3, 2017

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

| Release Notification and Corrective Action  |   |  |                                 |                                      |                                   |  |   |                            |                                       |                            |                            |                |             |
|---|---|--|---------------------------------|--------------------------------------|-----------------------------------|--|---|----------------------------|---------------------------------------|----------------------------|----------------------------|----------------|-------------|
|   |   |  |                                 |                                      |                                   |  |   |                            | Final Report                          |                            |                            |                |             |
| Name of Co  |   | Contact Erin Garifalos                       |                                 |                                      |                                   |  |   |                            |                                       |                            |                            |                |             |
|   |   | Y GC A 00                                    |                                 | n, NM 87401                          |                                   | Telephone No. (832) 609-7048 Facility Type: Natural Gas Well |   |                            |                                       |                            |                            |                |             |
| Surface Own   |   |  |                                 | Mineral C                            |                                   |  |   |                            |                                       |                            | .300452                    | 228            | 2           |
| Surface Own   | ici . l'eu  | erai   |                                 |                                      |                                   |  | TAGE  |                            |                                       | MITNO                      | .000402                    | 220            |             |
| Unit Letter   | Unit Letter   Section   Township   Range   Feet from the   Nort |  |                                 |                                      |                                   |  | Feet fro  |                            | Fast/                                 | West Line                  | County                     |                |             |
| H   | 15  | 31N  | 10W                             | 18 30                                | Nor                               |  | 1,16  |                            |                                       |                            |                            |                | n Juan      |
|   |   |  | Latitud                         | e 36.900883                          | L                                 | ongitude1  | 07.864  | 602                        | NAD                                   | 83                         |                            |                |             |
|   |   |  |                                 | NAT                                  | URE                               | OF RELI  | EASE  |                            |                                       |                            |                            |                |             |
| Type of Relea   | se:: none   | 9  |                                 |                                      |                                   | Volume of  |   |                            |                                       |                            | Recovered::                |                |             |
| Source of Rel   | ease: belo  | w grade ta                                   | nk - 95 k                       | obl                                  |                                   | Date and H   | our of O  | ccurrence                  | e:                                    | n/a                        | Hour of Disc               | covery         | /: <u> </u> |
| Was Immedia   | te Notice (   |  | Yes 🗸                           | No Not Re                            | equired                           | If YES, To   | Whom?   |                            |                                       |                            |                            |                |             |
| By Whom?  |   |  |                                 |                                      |                                   | Date and H   | our   |                            |                                       |                            |                            |                |             |
| Was a Watero  | course Read   |  | Yes 🗸                           | No                                   |                                   | If YES, Vo   | lume Im   | pacting the                | he Wat                                | ercourse.                  |                            |                |             |
| If a Watercou   | rse was Im  | pacted, Descri                               | be Fully.*                      |                                      |                                   |  |   |                            |                                       |                            |                            |                |             |
|   |   |  |                                 |                                      |                                   |  |   |                            |                                       |                            |                            |                |             |
| Describe Cau  | se of Probl   | em and Remed                                 | dial Action                     | for Chl<br>concer                    | orides,<br>ntration               | ne soil benea<br>TPH and B<br>was 69 mg/<br>further action   | EX belokg. The                                  | ow BGT closure             | closur<br>standa                      | e standard<br>ard for this | s except Tr<br>location is | PH. T<br>1,000 | PH          |
| Describe Area   | a Affected  | and Cleanup A                                | Action Tak                      | en.* No furthe                       | er act                            | ion requi  | ed. Fi  | nal lab                    | orat                                  | ory anal                   | ysis atta                  | che            | d.          |
| I hereby certifications all public health should their of the environ federal, state, | l operators<br>or the envi-<br>perations h<br>ment. In a        | otifications are<br>NMOCD m<br>e contaminati | nd performarked as bon that per | m correct<br>"Final Re<br>ose a thre | tive act<br>eport" of<br>eat to g | ions for rele<br>loes not reli<br>round water                | eases which a<br>eve the operation, surface was | may e<br>ator o<br>ter, hu | ndanger<br>f liability<br>ıman health |                            |                            |                |             |
| Signature:  |   | Approved by                                  |                                 |                                      | 1                                 |  | DIVISIO   | N                          |                                       |                            |                            |                |             |
| Printed Name  | Erin C  | arifalos                                     |                                 |                                      |                                   | approved by  | T. Holl   | nomai of                   | 4                                     | _                          |                            |                |             |
|   |   | onmenta                                      | l Coor                          | rdinator                             |                                   | Approval Dat   | e:4/2   | 4118                       |                                       | Expiration I               | Date:                      |                |             |
| E-mail Addre  |   | Conditions of Approval:  Attached            |                                 |                                      |                                   |  |   |                            |                                       |                            |                            |                |             |

\* Attach Additional Sheets If Necessary

Phone: (832) 609-7048

Date: March 30, 2018

NVF 1811428975

| CLIENT: BP  | P.O. BOX 87  | ENGINEERING,<br>', BLOOMFIELD,<br>(505) 632-1199      |                                     | API #: 3004522 TANK ID (if applicble):   |                   |
|---|--|---|-------------------------------------|--|-------------------|
| FIELD REPORT:   |  | TON / RELEASE INVESTIGATION                           | / OTHER:                            | PAGE#: <b>1</b> c  | f _1_             |
| SITE INFORMATION  | SITE NAME: KEL   | LY GC A #7  |                                     | DATE STARTED: 02/0   | 06/18             |
|   | 31N RNG: 10W   |   | SJ ST: NM                           | DATE FINISHED:   |                   |
| 1/4 -1/4/FOOTAGE: 1,830'N / 1,16  |  | ASE TYPE: FEDERAL / STA                               | TE / FEE / INDIAN                   | ENVIRONMENTAL  |                   |
|   |  | CONTRACTOR: BP - S.                                   | =                                   |  | JV                |
| REFERENCE POINT   | : WELL HEAD (W.H.  | ) GPS COORD.: <b>36.9</b> (                           | 0062 X 107.86478                    | GL ELEV.: 6  | ,234'             |
| 1) 95 BGT (DW/DB)   | GPS COORD.:  | 36.900883 X 107.8646                                  | 02 DISTANCE/BEA                     | RING FROM W.H.: 80', N5  | 0.5E              |
| 2)  |  |   |                                     |  |                   |
| 3)  | GPS COORD.:  |   | DISTANCE/BEA                        | RING FROM W.H.:  |                   |
| 4)  | GPS COORD.:  |   | DISTANCE/BEA                        |  |                   |
| SAMPLING DATA:  | CHAIN OF CUSTODY RECORD  | (S) # OR LAB USED:                                    |                                     |  | OVM<br>READING    |
| 1) SAMPLE ID: 5PC - TB @ 5'   |  |   |                                     | 15B/8021B/300.0 (CI)   | (ppm)             |
| 2) SAMPLE ID:   |  |   |                                     |  |                   |
| 3) SAMPLE ID:   |  |   |                                     |  |                   |
| 4) SAMPLE ID:   |  |   |                                     |  |                   |
| SOIL DESCRIPTION  |  | SAMPLE TIME:  |                                     |  |                   |
| COHESION (ALL OTHERS): NON COHESIVE / SLIGHTL' CONSISTENCY (NON COHESIVE SOILS): LO MOISTURE: DRY / SLIGHTLY MOIST / MOIST / W SAMPLE TYPE: GRAB (COMPOSITE) + DISCOLORATION/STAINING OBSERVED: YES | DOSE / FIRM / DENSE / VERY DE<br>ET / SATURATED / SUPER SATURATED<br># OF PTS                      | NSE HC ODOR DETECTED: YES                             | NO EXPLANATION -                    | STIFF / VERY STIFF / HARD  |                   |
| APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA: OTHER: GAS WELL RECENTLY PLUGGI 5.5 FT. BELOW GRADE. SAMPLED SC EXCAVATION DIMENSION ESTIMATION:                          | ED AND/OR OCCURRED: YES NO YES NO EXPLANATION - ED & ABANDONED (P&A). DIL BENEATH LINER.  NA ft. X | EXPLANATION:  NMOCD REP. NOT PRESENT  NA ft. X NA ft. | EXCAVATION EST                      | ΓΙΜΑΤΙΟΝ (Cubic Yards) : _   | NA                |
|   |  | 1,000' NEAREST SURFACE WAT                            | TER: <1,000' NMOC                   | CD TPH CLOSURE STD: 1,0  | 00 ppm            |
| SITE SKETCH   | BGT Located: off or FORMER COMPRESSOR  | site PLOT PLAN  |                                     |  | MA NA             |
| NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION. T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL  | IRKER  ⊕  ON DEPRESSION; B.G. = BELOW GRADE OWGRADE TANK LOCATION; SPD = SA                        | MPLE POINT DESIGNATION; R.W. = RETA                   | X - S.P.D.  ROX.; W.H. = WELL HEAD; | ppm = parts per million BGT Sidewalls Visible: Y / BGT Sidewalls Visible: Y / BGT Sidewalls Visible: Y / | 9/10<br>8/16<br>N |
| APPLICABLE OR NOT AVAILABLE; SW-SINGL<br>NOTES: <b>GOOGLE EARTH IMAG</b>  |  | ONSITE: 02/   | /06/18                              |  |                   |

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Blagg Engineering

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

Project: KELLY GC A 7

Collection Date: 2/6/2018 8:15:00 AM

Lab ID: 1802343-001

Matrix: SOIL

Received Date: 2/7/2018 7:00:00 AM

| Analyses                       | Result      | PQL Qu | al Units | DF | Date Analyzed        | Batch  |
|--------------------------------|-------------|--------|----------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS       |             |        |          |    | Analys               | : CJS  |
| Chloride                       | ND          | 30     | mg/Kg    | 20 | 2/7/2018 12:21:43 PM | 36396  |
| EPA METHOD 8015M/D: DIESEL RAN | GE ORGANICS |        |          |    | Analyst              | : JME  |
| Diesel Range Organics (DRO)    | ND          | 9.8    | mg/Kg    | 1  | 2/7/2018 8:38:07 AM  | 36394  |
| Motor Oil Range Organics (MRO) | 69          | 49     | mg/Kg    | 1  | 2/7/2018 8:38:07 AM  | 36394  |
| Surr: DNOP                     | 101         | 70-130 | %Rec     | 1  | 2/7/2018 8:38:07 AM  | 36394  |
| EPA METHOD 8015D: GASOLINE RAM | NGE         |        |          |    | Analyst              | : NSB  |
| Gasoline Range Organics (GRO)  | ND          | 4.0    | mg/Kg    | 1  | 2/7/2018 11:37:58 AM | G48962 |
| Surr: BFB                      | 91.2        | 15-316 | %Rec     | 1  | 2/7/2018 11:37:58 AM | G48962 |
| EPA METHOD 8021B: VOLATILES    |             |        |          |    | Analyst              | : NSB  |
| Benzene                        | ND          | 0.020  | mg/Kg    | 1  | 2/7/2018 11:37:58 AM | B48962 |
| Toluene                        | ND          | 0.040  | mg/Kg    | 1  | 2/7/2018 11:37:58 AM | B48962 |
| Ethylbenzene                   | ND          | 0.040  | mg/Kg    | 1  | 2/7/2018 11:37:58 AM | B48962 |
| Xylenes, Total                 | ND          | 0.081  | mg/Kg    | 1  | 2/7/2018 11:37:58 AM | B48962 |
| Surr: 4-Bromofluorobenzene     | 96.2        | 80-120 | %Rec     | 1  | 2/7/2018 11:37:58 AM | B48962 |

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

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % 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 5 J
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

| Chain-of-Custody Record |  |             | Turn-Around T             | ime:                          | SAME                   |                       |   |             | 1              | IA                 |                    |                        | MV            | FTE   | 20              | N           |                 | NI.                      | ГА   |             |                        |                      |
|-------------------------|--|-------------|---------------------------|-------------------------------|------------------------|-----------------------|---|-------------|----------------|--------------------|--------------------|------------------------|---------------|---|-----------------|-------------|-----------------|--------------------------|------|-------------|------------------------|----------------------|
| Client:                 | BLAG   | G ENGR.     | / BP AMERICA              | ☐ Standard                    | Rush _                 | DAY                   |   |             | H              |                    |                    |                        |               |   |                 |             | 30              |                          |      |             |                        |                      |
|                         |  |             |                           | Project Name:                 |                        |                       |   |             |                |                    |                    |                        |               |   |                 |             | .com            |                          |      |             |                        |                      |
| Mailing A               | ddress:  | P.O. BO     | X 87                      |                               | ELLY GC A              | #7                    |   | 49          | 01 F           |                    |                    |                        |               |   |                 |             |                 |                          | 9    |             |                        |                      |
|                         |  | BLOOM       | FIELD, NM 87413           | Project #:                    |                        |                       | 4901 Hawkins NE - Albuquerque, NM 87109  Tel. 505-345-3975 Fax 505-345-4107 |             |                |                    |                    |                        |               |   |                 |             |                 |                          |      |             |                        |                      |
| Phone #:                |  | (505) 63    | 2-1199                    |                               |                        |                       | FI  | 75          | άÏ             |                    | 321                |                        |               | -   |                 | quest       |                 |                          |      |             |                        |                      |
| email or F              | ax#:   |             |                           | Project Manag                 | er:                    |                       |   |             |                |                    |                    |                        |               | -   |                 |             |                 | 1)                       |      |             |                        |                      |
| QA/QC Pad Standa        | QA/QC Package:  Standard Level 4 (Full Validation) |             | Level 4 (Full Validation) | SABRE BEEBE                   |                        |                       | 8021B)  | only)       | MRO)           |                    |                    | 2)                     |               | 04,50   | PCB's           |             |                 | er - 300.1)              |      |             | m                      |                      |
| Accreditat              |  | A. B. J. B. |                           | Sampler:                      | NELSON VI              | LEZ ny                | )8) E   | Gas         | RO /           | ਜ                  | 1                  | SIM                    |               | 02,6  | / 8082          |             |                 | water                    |      |             | mpf                    |                      |
| □ NELAP                 |  | □ Other     | ···                       | On ice                        | <b>x</b> €Yes          | D No W                | #   | TPH (Gas    | / DRO          | 118.               | 504.               | 3270                   |               | N,60  | 8 / S           |             | Æ               | 0.00                     |      | 1           | e sa                   | Ê                    |
| □ EDD (1                | Type)  |             |                           | Sample Temp                   | erature                |                       | 1   | +           | (GRC           | por                | pou                | or                     | etals         | CI,N  | cide            | (A)         | i-VC            | ii - 3(                  |      | e e         | osit                   | o <u>≻</u>           |
| Date                    | Time   | Matrix      | Sample Request ID         | Container Type and # M2041Cef | Preservative<br>Type   | HEAL NO               | BTEX +-MTB  | BTEX + MTBE | TPH 8015B (GRO | TPH (Method 418.1) | EDB (Method 504.1) | PAH (8310 or 8270SIMS) | RCRA 8 Metals | Anions (F,Cl,NO <sub>3</sub> ,NO <sub>2</sub> ,PO <sub>4</sub> ,SO <sub>4</sub> ) | 8081 Pesticides | 8260B (VOA) | 8270 (Semi-VOA) | Chloride (soil - 300.0 / |      | Grab sample | 5 pt. composite sample | Air Bubbles (Y or N) |
| 2/6/18                  | 0815   | SOIL        | 5PC-TB@ 5 '(95)           | 4 oz 1                        | Cool                   | -001                  | ٧   |             | ٧              |                    |                    |                        |               |   |                 |             |                 | ٧                        |      |             | V                      |                      |
|                         |  |             |                           |                               |                        |                       |   |             |                |                    |                    |                        |               |   |                 |             |                 |                          |      |             |                        |                      |
|                         |  |             |                           |                               |                        |                       |   |             |                |                    |                    |                        |               |   |                 |             |                 |                          |      |             |                        |                      |
|                         |  |             |                           |                               |                        |                       |   |             |                |                    |                    |                        |               |   |                 |             |                 |                          |      |             | $\Box$                 |                      |
|                         |  |             |                           |                               |                        |                       |   |             |                |                    |                    |                        |               |   |                 |             |                 |                          |      |             |                        |                      |
|                         |  |             | , e                       |                               |                        |                       |   |             |                |                    |                    |                        |               |   |                 |             |                 |                          |      |             |                        |                      |
|                         |  |             |                           |                               |                        |                       |   |             |                |                    |                    |                        |               |   |                 |             |                 |                          |      |             |                        |                      |
|                         |  |             |                           |                               |                        |                       |   |             |                |                    |                    |                        |               |   |                 |             |                 |                          |      |             |                        |                      |
|                         |  |             |                           |                               |                        |                       |   |             |                |                    | ÷                  |                        |               |   |                 |             |                 |                          |      |             |                        |                      |
|                         |  |             |                           |                               |                        |                       |   |             |                |                    |                    |                        |               |   |                 |             |                 |                          |      |             |                        |                      |
| -                       |  |             |                           |                               |                        |                       |   |             |                |                    |                    |                        |               |   |                 |             |                 |                          |      |             |                        |                      |
|                         |  |             |                           |                               |                        |                       |   |             |                |                    |                    |                        |               |   |                 |             |                 |                          |      |             |                        |                      |
| Date:                   | Time:  | Relinquish  | ger by:                   | Received by:                  |                        | Date Time             | Rem   | arks        | :              |                    |                    |                        |               |   |                 | BE FC       | RWA             | RDED                     | FROM | BP.         | IF NO                  | л,                   |
| 2/6/18                  | 1711   | -M          | In of                     | (Must                         | Haltin                 | 2/6/18 1711           |   |             |                | PLEA               | SE CO              | NTAC                   | T SAE         | RE BI   | EBE.            |             |                 |                          |      |             |                        |                      |
| Date:                   | Time:  | Relinquish  | ed by:                    | Received by:                  | hund                   | Date Time<br>02/01/08 |   |             |                |                    |                    |                        |               |   |                 |             |                 |                          |      |             |                        |                      |
| 14/18                   | 1001   | 1-100       | 2000                      | 1 00                          | accordited laboratorie |                       |   |             | 114            | me auch            |                    |                        | 1-4-          | -21 h a   |                 |             |                 | Man an                   |      | 1           | -1                     |                      |

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### Hall Environmental Analysis Laboratory, Inc.

WO#:

1802343

08-Feb-18

Client:

Blagg Engineering

Project:

KELLY GC A 7

Sample ID MB-36396

Prep Date:

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

**PBS** 

2/7/2018

Batch ID: 36396

RunNo: 48963

Analysis Date: 2/7/2018

TestCode: EPA Method 300.0: Anions

SeqNo: 1576512

Units: mg/Kg

HighLimit

%RPD

Qual

Analyte

Result PQL

1.5

**RPDLimit** 

Chloride

ND

Sample ID LCS-36396 LCSS

SampType: Ics

RunNo: 48963

Prep Date: 2/7/2018

Units: mg/Kg

Analyte

Client ID:

Batch ID: 36396 Analysis Date: 2/7/2018

PQL

1.5

SeqNo: 1576513

HighLimit

%RPD **RPDLimit** 

Qual

Chloride

15.00

95.0

Result

SPK value SPK Ref Val %REC

SPK value SPK Ref Val %REC LowLimit

110

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
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- Not Detected at the Reporting Limit
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- Analyte detected in the associated Method Blank В
- E Value above quantitation range
- T Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Page 2 of 5

### Hall Environmental Analysis Laboratory, Inc.

WO#:

1802343

08-Feb-18

Client:

Blagg Engineering

Project:

KELLY GC A 7

| Project: KELLY                 | GC A 7                  |  |
|--------------------------------|-------------------------|--|
| Sample ID MB-36394             | SampType: MBLK          | TestCode: EPA Method 8015M/D: Diesel Range Organics    |
| Client ID: PBS                 | Batch ID: 36394         | RunNo: 48946   |
| Prep Date: 2/7/2018            | Analysis Date: 2/7/2018 | SeqNo: 1574942 Units: mg/Kg                            |
| Analyte                        | Result PQL SPK value    | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Diesel Range Organics (DRO)    | ND 10                   |  |
| Motor Oil Range Organics (MRO) | ND 50                   |  |
| Surr: DNOP                     | 9.6 10.00               | 95.8 70 130  |
| Sample ID LCS-36394            | SampType: LCS           | TestCode: EPA Method 8015M/D: Diesel Range Organics    |
| Client ID: LCSS                | Batch ID: 36394         | RunNo: 48946   |
| Prep Date: 2/7/2018            | Analysis Date: 2/7/2018 | SeqNo: 1574943 Units: mg/Kg                            |
| Analyte                        | Result PQL SPK value    | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Diesel Range Organics (DRO)    | 54 10 50.00             | 0 108 70 130   |
| Surr: DNOP                     | 5.1 5.000               | 103 70 130   |
| Sample ID MB-36390             | SampType: MBLK          | TestCode: EPA Method 8015M/D: Diesel Range Organics    |
| Client ID: PBS                 | Batch ID: 36390         | RunNo: 48946   |
| Prep Date: 2/6/2018            | Analysis Date: 2/7/2018 | SeqNo: 1576206 Units: %Rec                             |
| Analyte                        | Result PQL SPK value    | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Surr: DNOP                     | 9.5 10.00               | 95.3 70 130  |
| Sample ID LCS-36390            | SampType: LCS           | TestCode: EPA Method 8015M/D: Diesel Range Organics    |
| Client ID: LCSS                | Batch ID: 36390         | RunNo: 48946   |
| Prep Date: 2/6/2018            | Analysis Date: 2/7/2018 | SeqNo: <b>1576208</b> Units: <b>%Rec</b>               |
| Analyte                        | Result PQL SPK value    | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Surr: DNOP                     | 5.0 5.000               | 101 70 130   |

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
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- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 3 of 5

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

### Hall Environmental Analysis Laboratory, Inc.

WO#:

1802343

08-Feb-18

Client:

Blagg Engineering

Project:

KELLY GC A 7

Sample ID RB

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

LowLimit

15

Client ID:

PBS

Batch ID: G48962

RunNo: 48962

Prep Date:

Analysis Date: 2/7/2018

SeqNo: 1576174

Units: mg/Kg

Analyte

Result PQL ND 5.0 SPK value SPK Ref Val %REC HighLimit

**RPDLimit** 

Qual

Gasoline Range Organics (GRO) Surr: BFB

930

1000

92.9

316

%RPD

Sample ID 2.5UG GRO LCS

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

LCSS Client ID:

Batch ID: G48962

RunNo: 48962

Prep Date:

SeqNo: 1576175

Units: mg/Kg

Analyte

Analysis Date: 2/7/2018 Result

SPK value SPK Ref Val %REC LowLimit

%RPD **RPDLimit** Qual

Gasoline Range Organics (GRO) Surr: BFB

27 1100 5.0 25.00 1000

107 111 75.9 15

HighLimit 131 316

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

**PQL** Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank В

E Value above quantitation range

J Analyte detected below quantitation limits

Page 4 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

## Hall Environmental Analysis Laboratory, Inc.

WO#:

1802343

08-Feb-18

Client:

Blagg Engineering

Project:

KELLY GC A 7

| Sample ID RB               | SampT      | ype: ME       | BLK       | Tes         |              |          |              |      |          |      |
|----------------------------|------------|---------------|-----------|-------------|--------------|----------|--------------|------|----------|------|
| Client ID: PBS             | Batch      | ID: <b>B4</b> | 8962      | F           | RunNo: 48962 |          |              |      |          |      |
| Prep Date:                 | Analysis D | ate: 2/       | 7/2018    | S           | SeqNo: 1     | 576180   | Units: mg/Kg |      |          |      |
| Analyte                    | Result     | PQL           | SPK value | SPK Ref Val | %REC         | LowLimit | HighLimit    | %RPD | RPDLimit | Qual |
| Benzene                    | ND         | 0.025         |           |             |              |          |              |      |          |      |
| Toluene                    | ND         | 0.050         |           |             |              |          |              |      |          |      |
| Ethylbenzene               | ND         | 0.050         |           |             |              |          |              |      |          |      |
| Xylenes, Total             | ND         | 0.10          |           |             |              |          |              |      |          |      |
| Surr: 4-Bromofluorobenzene | 0.99       |               | 1.000     |             | 99.4         | 80       | 120          |      |          |      |

| Sample ID 100NG BTEX LC    | SampT       | SampType: LCS TestCode: EPA Method 8021B: Volatiles |           |             |          |          |             |      |          |      |
|----------------------------|-------------|---|-----------|-------------|----------|----------|-------------|------|----------|------|
| Client ID: LCSS            | Batch       | Batch ID: <b>B48962</b> RunNo: <b>48962</b>         |           |             |          |          |             |      |          |      |
| Prep Date:                 | Analysis Da | ate: 2/   | 7/2018    | 5           | SeqNo: 1 | 576181   | Units: mg/K | (g   |          |      |
| Analyte                    | Result      | PQL   | SPK value | SPK Ref Val | %REC     | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |
| Benzene                    | 0.99        | 0.025   | 1.000     | 0           | 99.4     | 77.3     | 128         |      |          |      |
| Toluene                    | 0.94        | 0.050   | 1.000     | 0           | 93.7     | 79.2     | 125         |      |          |      |
| Ethylbenzene               | 0.95        | 0.050   | 1.000     | 0           | 95.0     | 80.7     | 127         |      |          |      |
| Xylenes, Total             | 2.8         | 0.10  | 3.000     | 0           | 92.8     | 81.6     | 129         |      |          |      |
| Surr: 4-Bromofluorobenzene | 1.0         |   | 1.000     |             | 104      | 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
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
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- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: **BLAGG** Work Order Number: 1802343 RcptNo: 1 ame Show Received By: **Anne Thorne** 2/7/2018 7:00:00 AM 2/7/2018 7:46:34 AM Completed By: Anne Thorne 02/07/18 Reviewed By: Chain of Custody 1. Is Chain of Custody complete? Yes 🗹 No 🗆 Not Present 2. How was the sample delivered? Courier Log In No NA 🗍 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes 🗸 5. Sample(s) in proper container(s)? No. Sufficient sample volume for Indicated test(s)? No 🗆 Yes V 7. Are samples (except VOA and ONG) properly preserved? NA 🗌 No 🗹 Yes 8. Was preservative added to bottles? No VOA Vials 🗸 Yes No 🗌 9. VOA vials have zero headspace? Yes 🗌 No 🗸 10. Were any sample containers received broken? # of preserved bottles checked No 🔲 for pH: 11. Does paperwork match bottle labels? Yes V (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? Yes 🗹 No 🗌 12. Are matrices correctly identified on Chain of Custody? No 🗌 13. Is it clear what analyses were requested? Yes V No 🗌 Checked by: Yes V 14. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA V Person Notified: Date | By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 1.0 Good



