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 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

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

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

Form C-141 Revised August 8, 2011

| | | | Rele | ease Notific | eation | and Co | rrective A | ction | | | | |
|---|--|--|--|--|--------------------------------------|--|--|---------------------------------------|--|--|---|--------------------------------|
| | | | | | | OPERA | ГOR | | ☐ Initia | al Report | ⊠ Fi | inal Report |
| Name of Co | mpany: B | P | | | | Contact: Jef | | | | | <u> </u> |) |
| Address: 20 | 0 Energy | Court, Farmi | ngton, N | M 87401 | | Telephone 1 | No.: 505-326-94 | 79 | | | | |
| Facility Nar | ne: Valen | cia Gas Com | B 1M | | | Facility Typ | e: Natural gas v | vell | | | | |
| Surface Ow | ner: Priva | te | | Mineral (| Owner: | Private | | | API No | . 30045249 |)52 | |
| | | | | | • | N OF RE | LEASE | | | | | |
| Unit Letter K | Section 18 | Township 29N | Range 9W | Feet from the 1,670 | North/ South | South Line | Feet from the 1,560 | East/W West | Vest Line | County: Sa | an Juan | |
| | | Lati | itude3 | 6.72322 | | Longitud | e107.82159_ | | | | | |
| | | | | NAT | URE | OF REL | EASE | | | | | |
| Type of Relea | | | | | | | Release: unknow | | | Recovered: n | | |
| Source of Re | lease: unkn | own | | | | | lour of Occurrence | e: | | Hour of Dis | covery: M | iay 21, |
| Was Immedia | to Notice (| Siyan? | | | | unknown If YES, To | Whom? | l | 2013; 12: | 08 PM | | |
| was minicula | ale Monce (| | Yes [| No Not R | equired | Brandon P | owell | | | | | } |
| By Whom? (| By Whom? Courtney Cochran | | | | | Date and F | lour: May 22, 20 | 13; 3:43 | PM | | | |
| Was a Water | Was a Watercourse Reached? | | | | | If YES, Vo | olume Impacting t | the Wate | rcourse. | | | |
| Yes No | | | | | | | lour: May 22, 20 olume Impacting t | AIT C | ONS. DI | V DIST. | 3 | |
| If a Watercon | urse was In | pacted, Descr | ibe Fully. | * | | | - | | 1AY 3 0 | | | |
| Describe Arc contamination impacted soi | ea Affected on. Ground I was taken ea was bac | water was fou to the IEI lan | Action Ta and 3' to 4 dfarm for | ken.* Borehole d' below the surfac treatment. Excav A monitor well w | ce. Excavation co | vation was dontinued until | one to remove im remaining soil sa | pacted so imples re | oil. Approx sulted in le | cimately 1,5° ess than 100 | 72 cubic y ppm TPH | ards of |
| regulations a public health should their or the enviro | all operators or the envionerations onment. In | s are required ironment. Th have failed to | to report a e acceptar adequatel OCD acce | re is true and com and/or file certain ace of a C-141 reply investigate and eptance of a C-14 | release of oort by the remedia | notifications a he NMOCD r tte contamina | and perform corre narked as "Final l tion that pose a th | ective act Report" of reat to g | tions for re does not re round wate | leases which lieve the ope er, surface w | n may enda erator of li vater, huma | anger iability an health |
| Signature: | Jeff-l | Pare | | | | | OIL CON | ISER | VATION | N DIVISI | <u>ON</u> | |
| Printed Nam | O/ ne: Jeff Pea | ce | | | | | DEN | IE | \mathbf{D}_{\sim} | | | |
| Title: Area I | Environme | ntal Advisor | | | | 27. | | Con | The state of the s | ite: | | |
| E-mail Add | ress: peace. | jeffrey@bp.co | om | | | | Cory Smith (505) | 5) 334-61 | 78 Ext. 115 | Attache | | |
| Date: May | 23, 2014 | | Phone: 5 | 505-326-9479 | l | Elevated | Lews of ! | Sulvedo | 2 JW | 1 | | |
| | | eets If Neces | | | | Ground U | | | | And Resu | Hund. | |

Valencia GC B 1M (K) Sec 18 – T29N – R9W San Juan County, New Mexico

Summary Record of Impact Remediation

May 13, 2013 Soil impacts encountered during closure of 95 barrel BGT. Impacts were not apparently directly associated with BGT, but residual from a December, 1994 remediation. This prior remediation included removal of approximately 495 cubic yards of material, installation of groundwater monitor wells, sampling and reporting to NMOCD Santa Fe. Groundwater (ranging between 2' – 4' below grade, depending on season) tested below standards in all monitor wells and a closure request was submitted to NMOCD Santa Fe with correspondence dated February 9, 2006.

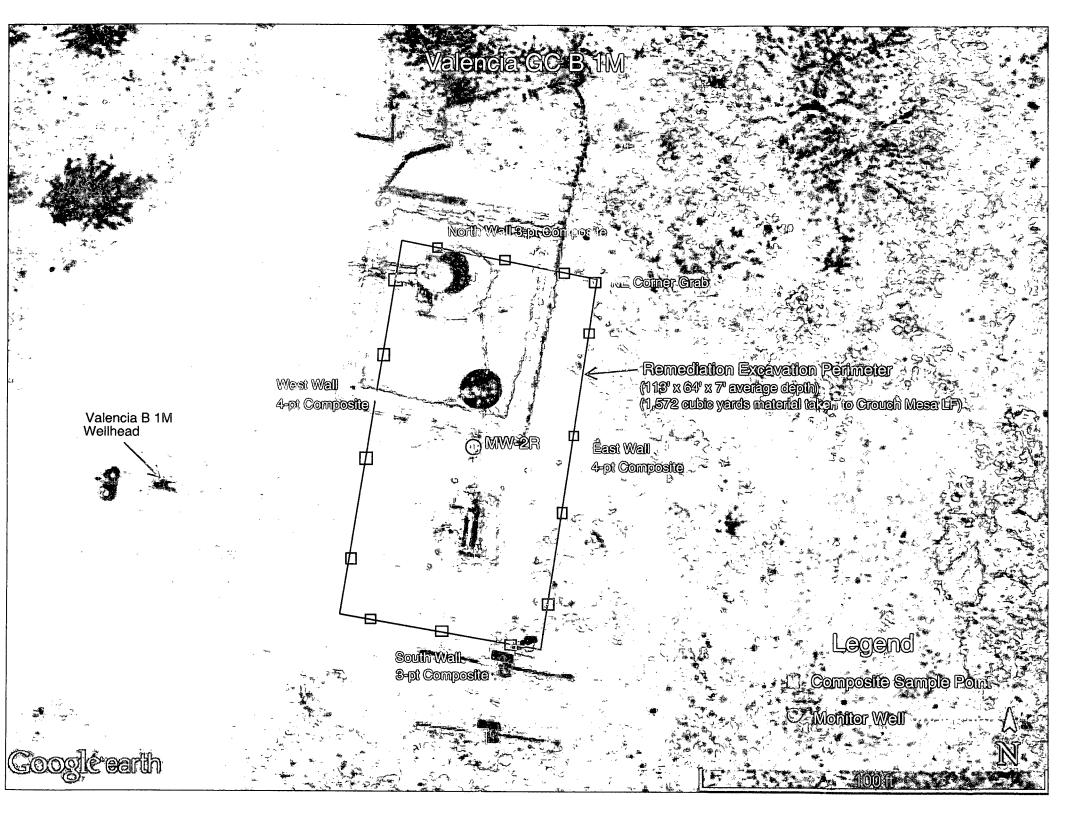
Delineation of soil impacts on May 13, 2013 determined that the areal extent was limited to on location only (investigation and lab reports attached) and were apparently residual from prior release remediated in 1994. No evidence of current or on-going release.

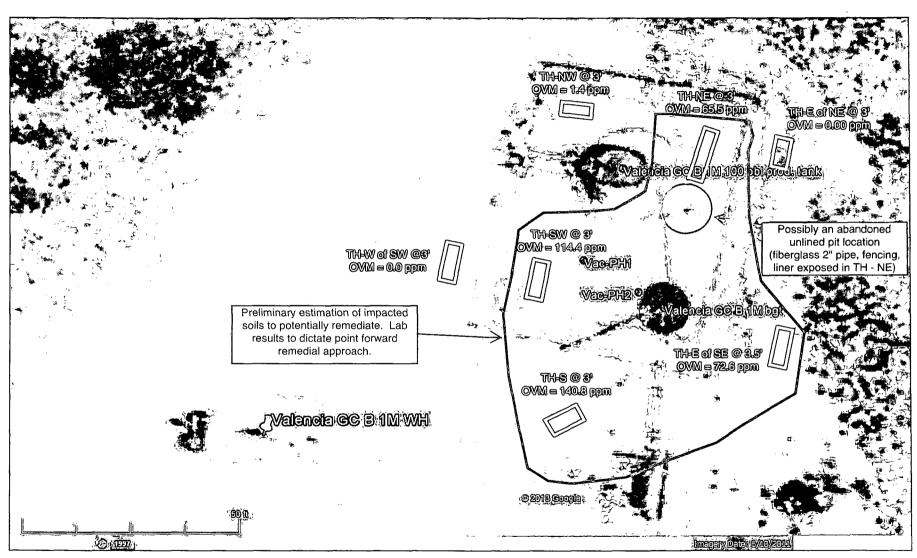
<u>January 17 – January 30, 2014</u> Excavation of all soil impacts to below the water table completed. Excavation size approximately 113' x 64' x 7' below grade. 1,572 cubic yards of material hauled to BP Crouch Mesa Landfarm. Perimeter composite sampling of sidewalls completed, all samples tested below 100 ppm TPH, all BTEX and Chloride tested below closure standards (lab reports attached)

April 14, 2014 Monitor well MW-2A installed in center of excavation area. Well set at approximately 10 feet below grade with gravel pack around screened interval.

April 22, 2014 Monitor well MW-2A sampled. BTEX tested non-detect (lab reports attached).

Valencia GC B 1M Preliminary Investigation of Impacts





BP - Valencia GC B # 1M NE/4 SW/4, Section 18, T29N, R9W 36.723191°N / 107.821599°W

| CLIENT: BP | P.O. BOX 87, BL | IGINEERING, INC. OOMFIELD, NM 874 5) 632-1199 | 413 | ÁPI #: 30045 ; TANK ID (ff applicable): | 24952 |
|---|--|---|------------------|--|-------------------|
| FIELD REPORT: | (circle one): BGT CONFIRMATION / (| | | PAGE# | _ of |
| SITE INFORMATIO | N: SITE NAME VALEN | | | DATE STARTED: 057 | 15/13 |
| QUAD/UNIT K SEC. 18 TW | RNG: TW PM: | μ m cnty: $5J$ st. | NM | DATE FINISHED: | |
| 1/4-1/4/FOOTAGE(1,670,5 (1, | PROD FORMATION MUDICO | PE: FEDERAL/STATE (FEE) | INDIAN IURMAN | ENVIRONMENTAL SPECIALIST(S): 2 | TV |
| REFERENCE POIN | T: WELL HEAD (W.H.) GPS (| COORD: 36.723191×1 | 67.821 | 599 GLELEV | 5,537 |
| 1) 100 BBL PROD. TR 2) 95 BET COWLDE | NK GPS COORD: 36.72 | 3364 × 107.821316 3274 × 107.821284 | DISTANCE/BEA | | NS3E |
| 3) VAC-PH1 | GPS COORD: 36.72 | 3305 × 107.821348 | DISTANCE/BE/ | ARING FROM WH.: 84 | NOIE |
| 4) VAC - PHZ | GPS COORD.: 36_72. | 3284 × 107.821305 | DISTANCE/BE/ | ARING FROM WH. 92. | <u>\$ 1068.58</u> |
| SAMPLING DATA: | CHAIN OF CUSTODY RECORD(S) # OR | LABUSED: HALL | | | READING |
| 1) SAMPLE ID VAC-PHILO | Z SAMPLE DATE 65 15 | 3 SAMPLETIME 1437 LABANALY | sis: 8019 | 5B 8021B | (ppm) |
| 2) SAMPLE DE VACT PHACE | 72.5 SAMPLEDATE 05 151 | 3 SAMPLETIME 1444 LABANALY | SIS: | | 114.4 |
| 3) SAMPLE ID: | SAMPLE DATE: | SAMPLE TIME: LAB ANALYS | SIS: | . ~ | |
| 4) SAMPLE ID: | SAMPLE DATE: | SAVPLETIME: LABANALY | <u> </u> | | <u> </u> |
| SOIL DESCRIPTION | V: SOIL TYPE SAND SILTY S | SAND / SILT / SILTY CLAY / CLAY / | RAVEL)OTI | HER | |
| | 3349510 HEILUD | | - | and | |
| CONSISTENCY (NON COHESIVE SOILS): | | PLASTICITY (CLAYS): NON PLASTIC / SLIC | | | |
| MOISTURE: DRY (SLIGHTLY MOIST) MOIST | | DENSITY (COHESIVE CLAYS & THE ODOR DETECTED: (ES | | | |
| SAMPLE TYPE: GRAB COMPOSITE | | SOIL ONLY | | • | - |
| DISCOLORATION/STAINING OBSERVE | DOYES NO EXPLANATION - DOC | K GRAY TO BLACK | IN. VA | IC-PHI JUA | c-142 |
| APPROXIMATELY Z- | | <u> </u> | | | |
| APPARENT EVIDENCE OF A RELEASE | OBSERVED AND/OR OCCURRED (YE | | | | |
| ADDITIONAL COMMENTS: ON = 51 | E MONITOR WELL R | ECORDED GROWNDU | ATER A | AT 3 FT. BEWO | w Grade. |
| SOIL IMPACT DIMENSION ESTIMATION | V: ft. X | | | IMATION (Cubic Yards) : | |
| DEPTH TO GROUNDWATER: 4.50 | | NEAREST SURFACE WATER: < 1,0 | ∞o/ NMOCI | D TPH CLOSURE STD: | DO ppm |
| SITE SKETCH | | PLOT PLAN circle: atta | ched OVM (| CALIB READ = 53.0 | 000 |
| 100 BBL PROD. TANK | | | A OVM | CALIB GAS = 100 | ppm RI- = 0.52 |
| 0.60 | | A | | 2:45 arm DATE | |
| BERM -> | | <i>f</i> ′ | | MISCELL. NO | |
| / | | 1 | W. | | |
| A | A | / | |)#: | <u></u> |
| / | | J | PK | C ZEVHOLL | 3612 |
| | | 45 BBL BET | PJ | 1# 22-006 | 3 - C |
| VAC-PH1 | | | | rmit date(s): | |
| NUC- LHIT | | | Tank | | r Meter |
| | VAC-PH 2 | | <u> IID</u> | ppm = parts per million BGT Sidewalls Visible: \ | on |
| | 1 | € = 5.P.D. | | BGT-Sidewalls Visible: \ | |
| NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVAT | TON DEPRESSION, B.G. = BELOW GRADE: B = BELO | | | BGT Sidewalls Visible: | Y- / N |
| T.B. = TANK BOTTOM, PBGTL = PREVIOUS BE | LOWGRADE TANK LOCATION, SPD = SAMPLE POIN LE WALL; DW - DOUBLE WALL, SB - SINGLE BOTTON | IT DESIGNATION; R.W. = RETAINING WALL; NA / | | agnetic declination: | 10°E |
| TRAVEL NOTES: CALLOUT. | LE VALLE DAY - DOODLE VANCE, 3D - SHADEE DOT LON | ONSITE: 05/15/13 | 05/16/ | 13 | 1 |
| revised: 08/01/12 | | | | A T . A . A . A . A . A . A . A . A . A | 11005E-5.SKF |



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

May 21, 2013

Nelson Velez

Blagg Engineering

P. O. Box 87

Bloomfield, NM 87413

TEL: (505) 320-3489 FAX (505) 632-3903

RE: Valencia GC B #1M OrderNo.: 1305710

Dear Nelson Velez:

Hall Environmental Analysis Laboratory received 9 sample(s) on 5/17/2013 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 www.hallenvironmental.com or the state specific web sites. 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. 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.

Sincerely,

Andy Freeman

Laboratory Manager

andid

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1305710

Date Reported: 5/21/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: VAC-PH1 @ 2'

Project: Valencia GC B #1M

Collection Date: 5/15/2013 2:37:00 PM

Lab ID: 1305710-001

Matrix: MEOH (SOIL) Received Date: 5/17/2013 10:03:00 AM

| Analyses | Result | RL Q | Qual Units | DF | Date Analyzed | Batch |
|-------------------------------|------------|--------|------------|----|-----------------------|--------|
| EPA METHOD 8015D: DIESEL RANG | E ORGANICS | | | | Analys | :: GSA |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 5/17/2013 12:35:31 PM | 7492 |
| Surr: DNOP | 88.4 | 63-147 | %REC | 1 | 5/17/2013 12:35:31 PM | 7492 |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analyst | :: NSB |
| Gasoline Range Organics (GRO) | 56 | 25 | mg/Kg | 5 | 5/17/2013 11:16:46 AM | R10713 |
| Surr: BFB | 224 | 80-120 | S %REC | 5 | 5/17/2013 11:16:46 AM | R10713 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB |
| Benzene | ND | 0.12 | mg/Kg | 5 | 5/17/2013 11:16:46 AM | R10713 |
| Toluene | ND | 0.25 | mg/Kg | 5 | 5/17/2013 11:16:46 AM | R10713 |
| Ethylbenzene | ND | 0.25 | mg/Kg | 5 | 5/17/2013 11:16:46 AM | R10713 |
| Xylenes, Total | ND | 0.50 | mg/Kg | 5 | 5/17/2013 11:16:46 AM | R10713 |
| Surr: 4-Bromofluorobenzene | 107 | 80-120 | %REC | 5 | 5/17/2013 11:16:46 AM | R10713 |

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 13

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Lab Order 1305710

Date Reported: 5/21/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering
Project: Valencia GC B #1M

1305710-002

Lab ID:

Client Sample ID: VAC-PH2 @ 2.5'
Collection Date: 5/15/2013 2:44:00 PM

Matrix: MEOH (SOIL) Received Date: 5/17/2013 10:03:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
|-------------------------------|------------|--------|----------|----|-----------------------|--------|
| EPA METHOD 8015D: DIESEL RANG | E ORGANICS | - | | | Analyst | GSA |
| Diesel Range Organics (DRO) | 18 | 10 | mg/Kg | 1 | 5/17/2013 12:57:27 PM | 7492 |
| Surr: DNOP | 107 | 63-147 | %REC | 1 | 5/17/2013 12:57:27 PM | 7492 |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | 43 | 10 | mg/Kg | 2 | 5/17/2013 11:12:35 PM | R10713 |
| Surr: BFB | 119 | 80-120 | %REC | 2 | 5/17/2013 11:12:35 PM | R10713 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | NSB |
| Benzene | ND | 0.10 | mg/Kg | 2 | 5/17/2013 11:12:35 PM | R10713 |
| Toluene | ND | 0.10 | mg/Kg | 2 | 5/17/2013 11:12:35 PM | R10713 |
| Ethylbenzene | ND | 0.10 | mg/Kg | 2 | 5/17/2013 11:12:35 PM | R10713 |
| Xylenes, Total | 0.20 | 0.20 | mg/Kg | 2 | 5/17/2013 11:12:35 PM | R10713 |
| Surr: 4-Bromofluorobenzene | 108 | 80-120 | %REC | 2 | 5/17/2013 11:12:35 PM | R10713 |

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 2 of 13

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Lab Order 1305710

Date Reported: 5/21/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH-NE @ 3'

Project: Valencia GC B #1M 1305710-003

Lab ID:

Matrix: MEOH (SOIL) Received Date: 5/17/2013 10:03:00 AM

Collection Date: 5/16/2013 10:30:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
|--------------------------------|----------|---------|----------|----|-----------------------|--------|
| EPA METHOD 8015D: DIESEL RANGI | ORGANICS | | | _ | Analyst | : GSA |
| Diesel Range Organics (DRO) | 46 | 10 | mg/Kg | 1 | 5/17/2013 1:19:31 PM | 7492 |
| Surr: DNOP | 101 | 63-147 | %REC | 1 | 5/17/2013 1:19:31 PM | 7492 |
| EPA METHOD 8015D: GASOLINE RAI | | Analyst | : NSB | | | |
| Gasoline Range Organics (GRO) | 38 | 10 | mg/Kg | 2 | 5/17/2013 11:41:06 PM | R10713 |
| Surr: BFB | 108 | 80-120 | %REC | 2 | 5/17/2013 11:41:06 PM | R10713 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB |
| Benzene | ND | 0.10 | mg/Kg | 2 | 5/17/2013 11:41:06 PM | R10713 |
| Toluene | ND | 0.10 | mg/Kg | 2 | 5/17/2013 11:41:06 PM | R10713 |
| Ethylbenzene | ND | 0.10 | mg/Kg | 2 | 5/17/2013 11:41:06 PM | R10713 |
| Xylenes, Total | ND | 0.20 | mg/Kg | 2 | 5/17/2013 11:41:06 PM | R10713 |
| Surr: 4-Bromofluorobenzene | 106 | 80-120 | %REC | 2 | 5/17/2013 11:41:06 PM | R10713 |

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH greater than 2 for VOA and TOC only.
- Reporting Detection Limit

- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND

Page 3 of 13

- RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits

Lab Order 1305710

Date Reported: 5/21/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH-NW @ 3'

Project: Valencia GC B #1M

Collection Date: 5/16/2013 10:45:00 AM

Lab ID: 1305710-004

Matrix: MEOH (SOIL) Received Date: 5/17/2013 10:03:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
|-------------------------------|-------------|--------|----------|----|-----------------------|----------|
| EPA METHOD 8015D: DIESEL RANG | SE ORGANICS | | | | Analys | t: GSA |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 5/17/2013 1:41:39 PM | 7492 |
| Surr: DNOP | 92.1 | 63-147 | %REC | 1 | 5/17/2013 1:41:39 PM | 7492 |
| EPA METHOD 8015D: GASOLINE RA | ANGE | | | | Analys | t: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/17/2013 12:42:34 PM | 1 R10713 |
| Surr: BFB | 96.7 | 80-120 | %REC | 1 | 5/17/2013 12:42:34 PM | 1 R10713 |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | t: NSB |
| Benzene | ND | 0.050 | mg/Kg | 1 | 5/17/2013 12:42:34 PM | 1 R10713 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/17/2013 12:42:34 PM | 1 R10713 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/17/2013 12:42:34 PM | 1 R10713 |
| Xylenes, Total | ND | 0.10 | mg/Kg | 1 | 5/17/2013 12:42:34 PM | 1 R10713 |
| Surr: 4-Bromofluorobenzene | 98.5 | 80-120 | %REC | 1 | 5/17/2013 12:42:34 PM | R10713 |

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 4 of 13

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Lab Order 1305710

Date Reported: 5/21/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH-SW @ 3'

Project: Valencia GC B #1M

Collection Date: 5/16/2013 10:55:00 AM

Lab ID: 1305710-005

Matrix: MEOH (SOIL)

Received Date: 5/17/2013 10:03:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|-------------------------------|-------------|--------|------|-------|----|----------------------|--------|
| EPA METHOD 8015D: DIESEL RANG | SE ORGANICS | | | | | Analys | : JME |
| Diesel Range Organics (DRO) | 270 | 9.9 | | mg/Kg | 1 | 5/17/2013 4:32:09 PM | 7492 |
| Surr: DNOP | 111 | 63-147 | | %REC | 1 | 5/17/2013 4:32:09 PM | 7492 |
| EPA METHOD 8015D: GASOLINE RA | ANGE | | | | | Analyst | : NSB |
| Gasoline Range Organics (GRO) | 570 | 50 | | mg/Kg | 10 | 5/17/2013 1:11:05 PM | R10713 |
| Surr: BFB | 791 | 80-120 | S | %REC | 10 | 5/17/2013 1:11:05 PM | R10713 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst | :: NSB |
| Benzene | ND | 0.20 | | mg/Kg | 10 | 5/17/2013 1:11:05 PM | R10713 |
| Toluene | ND | 0.50 | | mg/Kg | 10 | 5/17/2013 1:11:05 PM | R10713 |
| Ethylbenzene | ND | 0.50 | | mg/Kg | 10 | 5/17/2013 1:11:05 PM | R10713 |
| Xylenes, Total | 3.8 | 1.0 | | mg/Kg | 10 | 5/17/2013 1:11:05 PM | R10713 |
| Surr: 4-Bromofluorobenzene | 127 | 80-120 | S | %REC | 10 | 5/17/2013 1:11:05 PM | R10713 |

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

R

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Ε Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- Reporting Detection Limit RL

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 5 of 13

RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits

Lab Order 1305710

Date Reported: 5/21/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH-W of SW @ 3'

Project: Valencia GC B #1M

Collection Date: 5/16/2013 11:00:00 AM

Lab ID: 1305710-006

Matrix: MEOH (SOIL) Received Date: 5/17/2013 10:03:00 AM

| Analyses | Result | RL (| Qual Units | DF | Date Analyzed | Batch |
|--------------------------------|----------|--------|------------|----|----------------------|--------|
| EPA METHOD 8015D: DIESEL RANGE | ORGANICS | • | | | Analys | t: JME |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 5/17/2013 5:00:26 PM | 7492 |
| Surr: DNOP | 110 | 63-147 | %REC | 1 | 5/17/2013 5:00:26 PM | 7492 |
| EPA METHOD 8015D: GASOLINE RAI | NGE | | | | Analys | t: NSB |
| Gasoline Range Organics (GRO) | ND . | 5.0 | mg/Kg | 1 | 5/17/2013 1:39:51 PM | R10713 |
| Surr: BFB | 149 | 80-120 | S %REC | 1 | 5/17/2013 1:39:51 PM | R10713 |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | t: NSB |
| Benzene | ND | 0.050 | mg/Kg | 1 | 5/17/2013 1:39:51 PM | R10713 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/17/2013 1:39:51 PM | R10713 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/17/2013 1:39:51 PM | R10713 |
| Xylenes, Total | ND | 0.10 | mg/Kg | 1 | 5/17/2013 1:39:51 PM | R10713 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | %REC | 1 | 5/17/2013 1:39:51 PM | R10713 |

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 6 of 13

R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

Lab Order 1305710

Date Reported: 5/21/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH-E of NE @ 4'

Project: Valencia GC B #1M

Collection Date: 5/16/2013 11:10:00 AM

Lab ID: 1305710-007

Matrix: MEOH (SOIL) Received Date: 5/17/2013 10:03:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
|-------------------------------|------------|--------|----------|----|----------------------|--------|
| EPA METHOD 8015D: DIESEL RANG | E ORGANICS | | | | Analyst | : JME |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 5/17/2013 5:28:42 PM | 7492 |
| Surr: DNOP | 108 | 63-147 | %REC | 1 | 5/17/2013 5:28:42 PM | 7492 |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analyst | :: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/17/2013 2:08:36 PM | R10713 |
| Surr: BFB | 109 | 80-120 | %REC | 1 | 5/17/2013 2:08:36 PM | R10713 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | :: NSB |
| Benzene | ND | 0.050 | mg/Kg | 1 | 5/17/2013 2:08:36 PM | R10713 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/17/2013 2:08:36 PM | R10713 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/17/2013 2:08:36 PM | R10713 |
| Xylenes, Total | ND | 0.10 | mg/Kg | 1 | 5/17/2013 2:08:36 PM | R10713 |
| Surr: 4-Bromofluorobenzene | 100 | 80-120 | %REC | 1 | 5/17/2013 2:08:36 PM | R10713 |

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

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Page 2
- R RPD outside accepted recovery limits

 R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Lab Order 1305710

Date Reported: 5/21/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH-E of SE @ 3.5'

Project: Valencia GC B #1M

Collection Date: 5/16/2013 11:15:00 AM

Lab ID: 1305710-008

Matrix: MEOH (SOIL) Received Date: 5/17/2013 10:03:00 AM

| Analyses | Result | RL Q | ual Units | DF | Date Analyzed | Batch |
|----------------------------------|------------|--------|------------------|----|----------------------|--------|
| EPA METHOD 8015D: DIESEL RANG | E ORGANICS | | 1 10 11 10 10 10 | | Analyst | :: JME |
| Diesel Range Organics (DRO) | 21 | 10 | mg/Kg | 1 | 5/17/2013 5:57:00 PM | 7492 |
| Surr: DNOP | 109 | 63-147 | %REC | 1 | 5/17/2013 5:57:00 PM | 7492 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | :: NSB |
| Gasoline Range Organics (GRO) | 61 | 25 | mg/Kg | 5 | 5/17/2013 2:37:20 PM | R10713 |
| Surr: BFB | 261 | 80-120 | S %REC | 5 | 5/17/2013 2:37:20 PM | R10713 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | :: NSB |
| Benzene | ND | 0.12 | mg/Kg | 5 | 5/17/2013 2:37:20 PM | R10713 |
| Toluene | ND | 0.25 | mg/Kg | 5 | 5/17/2013 2:37:20 PM | R10713 |
| Ethylbenzene | ND | 0.25 | mg/Kg | 5 | 5/17/2013 2:37:20 PM | R10713 |
| Xylenes, Total | ND | 0.50 | mg/Kg | 5 | 5/17/2013 2:37:20 PM | R10713 |
| Surr: 4-Bromofluorobenzene | 106 | 80-120 | %REC | 5 | 5/17/2013 2:37:20 PM | R10713 |

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 8 of 13

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Lab Order 1305710

Date Reported: 5/21/2013

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: TH-S @ 3'

Project: Valencia GC B #1M

Collection Date: 5/16/2013 11:25:00 AM

Lab ID: 1305710-009

Matrix: MEOH (SOIL) Received Date: 5/17/2013 10:03:00 AM

| Analyses | Result | RL (| Qual | Units | DF | Date Analyzed | Batch |
|----------------------------------|------------|--------|---------------------|-------|----|----------------------|--------|
| EPA METHOD 8015D: DIESEL RANG | E ORGANICS | | | | | Analyst | : JME |
| Diesel Range Organics (DRO) | 100 | 10 | | mg/Kg | 1 | 5/17/2013 6:25:01 PM | 7492 |
| Surr: DNOP | 112 | 63-147 | | %REC | 1 | 5/17/2013 6:25:01 PM | 7492 |
| EPA METHOD 8015D: GASOLINE RANGE | | | Analyst: NSB | | | | |
| Gasoline Range Organics (GRO) | 790 | 20 | | mg/Kg | 4 | 5/17/2013 3:05:58 PM | R10713 |
| Surr: BFB | 1720 | 80-120 | S | %REC | 4 | 5/17/2013 3:05:58 PM | R10713 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst | : NSB |
| Benzene | 0.34 | 0.20 | | mg/Kg | 4 | 5/17/2013 3:05:58 PM | R10713 |
| Toluene | ND | 0.20 | | mg/Kg | 4 | 5/17/2013 3:05:58 PM | R10713 |
| Ethylbenzene | ND | 0.20 | | mg/Kg | 4 | 5/17/2013 3:05:58 PM | R10713 |
| Xylenes, Total | 9.4 | 0.40 | | mg/Kg | 4 | 5/17/2013 3:05:58 PM | R10713 |
| Surr: 4-Bromofluorobenzene | 172 | 80-120 | S | %REC | 4 | 5/17/2013 3:05:58 PM | R10713 |

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 9 of 13

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Result

5.1

WO#: 1305710 21-May-13

| Client: Blagg | g Engineering | | | |
|-----------------------------|--------------------------|---------------------------|------------------------------|------|
| Project: Valer | ncia GC B #1M | | | |
| Sample ID MB-7492 | SampType: MBLK | TestCode: EPA Method | 8015D: Diesel Range Organics | |
| Client ID: PBS | Batch ID: 7492 | RunNo: 10707 | | |
| Prep Date: 5/17/2013 | Analysis Date: 5/17/2013 | SeqNo: 302574 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit_ | Qual |
| Diesel Range Organics (DRO) | ND 10 | | 4.47 | |
| Surr: DNOP | 8.7 10.00 | 86.9 63 | 147 | |
| Sample ID LCS-7492 | SampType: LCS | TestCode: EPA Method | 8015D: Diesel Range Organics | |
| Client ID: LCSS | Batch ID: 7492 | RunNo: 10707 | | |
| Prep Date: 5/17/2013 | Analysis Date: 5/17/2013 | SeqNo: 302643 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit | Qual |
| Diesel Range Organics (DRO) | 52 10 50.00 | 0 104 77.1 | 128 | |
| Surr: DNOP | 4.8 5.000 | 96.4 63 | 147 | |
| Sample ID MB-7474 | SampType: MBLK | TestCode: EPA Method | 8015D: Diesel Range Organics | |
| Client ID: PBS | Batch ID: 7474 | RunNo: 10701 | | |
| Prep Date: 5/16/2013 | Analysis Date: 5/17/2013 | SeqNo: 303158 | Units: %REC | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit | Qual |
| Surr: DNOP | 11 10.00 | 108 63 | 147 | |
| Sample ID LCS-7474 | SampType: LCS | TestCode: EPA Method | 8015D: Diesel Range Organics | |
| Client ID: LCSS | Batch ID: 7474 | RunNo: 10701 | | |
| Prep Date: 5/16/2013 | Analysis Date: 5/17/2013 | SeqNo: 303159 | Units: %REC | |

SPK value SPK Ref Val

5.000

Qualifiers:

Analyte

Surr: DNOP

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

%REC

102

LowLimit

63

HighLimit

- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Page 10 of 13

RPDLimit

Qual

%RPD

Hall Environmental Analysis Laboratory, Inc.

WO#: 1305710

21-May-13

Client:

Blagg Engineering
Valencia GC B #1M

| Project: | Valencia GC B #1 | M | | | | | |
|-----------------------------------|------------------|------------------------|-----------------|-------------------|-------------------|-------------|------|
| Sample ID MB-7 | 177 Samp | Type: MBLK | TestCo | ode: EPA Method | 8015D: Gasoline F | Range | |
| Client ID: PBS | Bato | ch ID: R10713 | Rur | No: 10713 | | | |
| Prep Date: 5/16 | 2013 Analysis | Date: 5/17/2013 | Sec | No: 303069 | Units: mg/Kg | | |
| Analyte | Result | PQL SPK value | e SPK Ref Val % | 6REC LowLimit | HighLimit %R | PD RPDLimit | Qual |
| Gasoline Range Organ Surr: BFB | ics (GRO) ND 940 | 5.0 1000 |) | 94.3 80 | 120 | | |
| Sample ID LCS- | '477 Samp | Type: LCS | TestCo | ode: EPA Method | 8015D: Gasoline F | Range | |
| Client ID: LCSS | Bato | ch ID: R10713 | Rur | No: 10713 | | | |
| Prep Date: 5/16 | 2013 Analysis | Date: 5/17/2013 | Sec | No: 303070 | Units: mg/Kg | | |
| Analyte | Result | PQL SPK value | e SPK Ref Val % | GREC LowLimit | HighLimit %R | PD RPDLimit | Qual |
| Gasoline Range Organ | | 5.0 25.00 | | 117 62.6 | 136 | | |
| Surr: BFB | 1100 | 1000 |) | 112 80 | 120 | | |
| Sample ID MB-74 | 177 Samp | Type: MBLK | TestCo | ode: EPA Method | 8015D: Gasoline F | Range | |
| Client ID: PBS | Bato | ch ID: 7477 | Rur | No: 10713 | | | |
| Prep Date: 5/16 | 2013 Analysis | Date: 5/17/2013 | Sec | No: 303086 | Units: %REC | | |
| Analyte | Result | PQL SPK value | SPK Ref Val % | REC LowLimit | HighLimit %R | PD RPDLimit | Qual |
| Surr: BFB | 940 | 1000 |) | 94.3 80 | 120 | | |
| Sample ID LCS-7 | '477 Samp | Type: LCS | TestCo | ode: EPA Method | 8015D: Gasoline F | Range | / |
| Client ID: LCSS | Bato | ch ID: 7477 | Run | No: 10713 | | | |
| Prep Date: 5/16 | 2013 Analysis I | Date: 5/17/2013 | Seq | No: 303087 | Units: %REC | | |
| Analyte | Result | PQL SPK value | s SPK Ref Val % | REC LowLimit | HighLimit %R | PD RPDLimit | Qual |
| Surr: BFB | 1100 | 1000 |) | 112 80 | 120 | | |
| Sample ID MB-74 | I82 Samp | Type: MBLK | TestCo | ode: EPA Method | 8015D: Gasoline F | Range | |
| Client ID: PBS | Bato | ch ID: 7482 | Run | No: 10713 | | | |
| Prep Date: 5/16 | 2013 Analysis I | Date: 5/17/2013 | Seq | No: 303115 | Units: %REC | | |
| Analyte | Result | PQL SPK value | SPK Ref Val % | REC LowLimit | HighLimit %R | PD RPDLimit | Qual |
| Surr: BFB | 950 | 1000 |) | 94.7 80 | 120 | | |
| Sample ID LCS-7 | 482 Samp | Type: LCS | TestCo | ode: EPA Method | 8015D: Gasoline F | Range | |
| Client ID: LCSS | Bato | ch ID: 7482 | Run | No: 10713 | | | |
| Prep Date: 5/16 / | 2013 Analysis I | Date: 5/17/2013 | Seq | No: 303116 | Units: %REC | | |
| Anaiyte | Result | PQL SPK value | SPK Ref Val % | REC LowLimit | HighLimit %R | PD RPDLimit | Qual |
| Surr: BFB | 1000 | 1000 |) | 101 80 | 120 | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2 for VOA and TOC only.
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Page 11 of 13

Hall Environmental Analysis Laboratory, Inc.

WO#: 1305710

21-May-13

Client: **Project:** Blagg Engineering Valencia GC B #1M

Sample ID MB-7482

SampType: MBLK

TestCode: EPA Method 8015D: Gasoline Range

Client ID:

PBS

Batch ID: R10713

RunNo: 10713

Prep Date: 5/16/2013 Analysis Date: 5/17/2013

Batch ID: R10713

SeqNo: 303122

Units: mg/Kg

Result PQL

120

Analyte

5.0

SPK value SPK Ref Val

LCSS

5/16/2013

%REC LowLimit

Gasoline Range Organics (GRO) ND

950

1000

HighLimit

%RPD

Qual

Surr: BFB

94.7

80

RPDLimit

Sample ID LCS-7482

SampType: LCS

TestCode: EPA Method 8015D: Gasoline Range

RunNo: 10713

SeqNo: 303123

Units: mg/Kg

%RPD

Qual

Analyte Gasoline Range Organics (GRO) Surr: BFB

Result PQL

1000

Analysis Date: 5/17/2013

25.00

%REC 107

LowLimit 62.6

HighLimit 136 **RPDLimit**

Client ID:

Prep Date:

27

SPK value SPK Ref Val

1000

101

80

120

Qualifiers:

Value exceeds Maximum Contaminant Level.

Ε Value above quantitation range Analyte detected below quantitation limits

Sample pH greater than 2 for VOA and TOC only. Reporting Detection Limit RL

Analyte detected in the associated Method Blank В Н

Holding times for preparation or analysis exceeded

Spike Recovery outside accepted recovery limits

ND Not Detected at the Reporting Limit R RPD outside accepted recovery limits Page 12 of 13

Hall Environmental Analysis Laboratory, Inc.

WO#: 1305710

21-May-13

Client:

Blagg Engineering

Project:

Valencia GC B #1M

| Project: Valenc | ia GC B #1N | И | | · | | | - | | | |
|----------------------------|-------------|------------------|-----------|-------------|-----------------|-----------|-------------|-------|----------|------|
| Sample ID MB-7477 | Samp | Туре: МІ | BLK | Tes | tCode: E | PA Method | 8021B: Vola | tiles | | |
| Client ID: PBS | Batc | h ID: R1 | 0713 | F | RunNo: 1 | 0713 | | | | |
| Prep Date: 5/16/2013 | Analysis [| Date: 5 / | 17/2013 | S | SeqNo: 3 | 03133 | Units: mg/h | (g | | |
| 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 | | 101 | 80 | 120 | | | |
| Sample ID LCS-7477 | Samp | Гуре: LC | s | Tes | tCode: E | PA Method | 8021B: Vola | tiles | | |
| Client ID: LCSS | Batcl | h ID: R1 | 0713 | F | RunNo: 1 | 0713 | | | | |
| Prep Date: 5/16/2013 | Analysis [| Date: 5 / | 17/2013 | S | SeqNo: 3 | 03134 | Units: mg/k | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.1 | 0.050 | 1.000 | 0 | 111 | 80 | 120 | | | |
| Toluene | 1.1 | 0.050 | 1.000 | 0 | 110 | 80 | 120 | | | |
| Ethylbenzene | 1.1 | 0.050 | 1.000 | 0 | 111 | 80 | 120 | | | |
| Xylenes, Total | 3.3 | 0.10 | 3.000 | 0 | 110 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 106 | 80 | 120 | | | |
| Sample ID MB-7477 | SampT | ype: ME | BLK | Tes | tCode: E | PA Method | 8021B: Vola | tiles | | |
| Client ID: PBS | Batcl | n ID: 74 | 77 | F | RunNo: 1 | 0713 | | | | |
| Prep Date: 5/16/2013 | Analysis D | oate: 5/ | 17/2013 | S | SeqNo: 3 | 03146 | Units: %RE | С | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 101 | 80 | 120 | | | |
| Sample ID LCS-7477 | SampT | ype: LC | s | Tes | tCode: E | PA Method | 8021B: Vola | tiles | | |
| Client ID: LCSS | Batcl | n ID: 74 | 77 | 7 | RunNo: 1 | 0713 | | | | |
| Prep Date: 5/16/2013 | Analysis [|)ate: 5/ | 17/2013 | S | SeqNo: 3 | 03147 | Units: %RE | С | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 106 | 80 | 120 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2 for VOA and TOC only.

RL Reporting Detection Limit

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limitsS Spike Recovery outside accepted recovery limits

Page 13 of 13

| CI | hain-d | of-Cus | tody Record | I urn-Arouna | ime: | COMPLETE BY | ١. | ı | 1 1 | ŀ | 44 | | F | N | /T E | 2 0 | M | MF | ENT | ГА | . 1 | |
|-------------------|------------------|----------------------------|--|-------------------------|-------------------------|---|-----------------------|--------------------------------|-----------|-------------|-------------|--------------|---------------|---|-----------------|-------------|-----------------|----------------|-----------|-------------|-----------------|-------|
| Client: | BLAG | G ENGR. | / BP AMERICA | ☐ Standard | ☑ Rush _ | 5/17/13) | | | | | | | | | | | | | AT(| | | , |
| | | | | Project Name: | | | | | | - | | w.ha | | | | | | | | | • | |
| Mailing Ad | dress: | P.O. BO | X 87 | VA | LENCIA GC I | B # 1M | | 49 | 01 F | lawl | | | | | | | | 8710 |)9 | | | |
| | | BLOOM | FIELD, NM 87413 | Project #: | | | | | | | | 3975 | | | | | 5-4 1 (| | | | | |
| Phone #: | | (505) 63 | 2-1199 |]. | | | | 5 | | - | | ·/ | Anal | ysis | Reo | ques | st | **/**/ | | 4 | | |
| email or F | ax#: | | | Project Manag | jer: | | | 9 | 智个 | | | | | | | | | ਜ | | | | Γ |
| QA/QC Pad Standa | • | | Level 4 (Full Validation) | | NELSON VE | LEZ | 5 (8021B) | TPH (Gas only) | /muco | | | (S) | | 04,50 | PCB's | | | er - 300.1) | | | 0) | |
| Accreditat | ion: | | | Sampler: | NELSON VE | LEZ nv | Ě | (Gas | DRO/ | 1) | (F) | (ZOSIMS) | | 02,1 | / 8082 | | | 300.0 / water | | İ | sample | |
| □ NELAP | | □ Other | | On Ice: | Yes . | CONTRACTOR | 1 | HH. | _ | 418.1) | 504.1) | 827(| ., | 03, | | | Æ | 0.0 | | | | : |
| □ EDD (T | ype) | | | Sample Temp | erature: \\\\ | <u> </u> | Į. | + | (GRO | | pot | | etak | Ž U | cide | ₹ | -X- | 1 , 1 | | e l | osit | : |
| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEALNO: 1305 710 | BTEX +-NATH | BTEX + MTBE | TPH 8015B | TPH (Method | EDB (Method | PAH (8310 or | RCRA 8 Metals | Anions (F,Cl,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄) | 8081 Pesticides | 8260B (VOA) | 8270 (Semi-VOA) | Chloride (soil | | Grab sample | 5 pt. composite | |
| 5/15/13 | 1437 | SOIL | VAC-PH1 @ 2' | 4 oz 1 | Cool | -001 | ٧ | | V | | | | | | | | | | | ٧ | | Γ |
| 5/15/13 | 1444 | SOIL | VAC-PH2 @ 2.5' | 4 oz 1 | Cool | -002 | ٧ | | ٧ | | | | | | | | | | | ٧ | | Ī |
| 5/16/13 | 1030 | SOIL | TH - NE @ 3' | 4 oz 1 | Cool | -003 | ٧ | | ٧ | | | | | | | | | | \Box | V | | |
| 5/16/13 | 1045 | SOIL | TH - NW @ 3' | 4 oz 1 | Cool | -004 | ٧ | | ٧ | | | | | | | | | | | V | | Γ |
| 5/16/13 | 1055 | SOIL | TH - SW @ 3' | 4 oz 1 | Cool | -005 | 7 | | < | | | | | | | | | | | V | | _ |
| 5/16/13 | 1100 | SOIL | TH - W of SW @ 3' | 4 oz 1 | Cool | -004 | ٧ | | ٧ | | | | | | | | | | | ٧ | | |
| 5/16/13 | 1110 | SOIL | TH - E of NE @ 4' | 4 oz 1 | Cool | $-\infty7$ | ٧ | | ٧ | | | . – | | | | | | | | ٧ | | L |
| 5/16/13 | 1115 | SOIL | TH - E of SE @ 3.5' | 4 oz 1 | Cool | -008 | ٧ | | ٧ | | | | | | | | | | | V | | |
| 5/16/13 | 1125 | SOIL | TH - S @ 3' | 4 oz 1 | Cool | -009 | ٧ | | ٧ | | | | | | | | | | | ٧ | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | · | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | \neg | | _ |
| Date: 5/16/13 | Time: 1356 Time: | Relinquishe Relinquishe | mVJ | Received by: | Halle | Date Time 5/16/13 1350 Date Time | BIL | narks L DIF f Pea | RECT | | | | urt, l | arm | ingto | on, N | M 87 | 7401 | <u> L</u> | | | |
| 1/6/13 | 1750 | Samples s | tu Walter ubmitted to Hall Environmental may be s | ibcontracted to other | arbrahited laboratories | 1/13 10:0 | 2 | ork O | | | N15 | 182 | 813 | 211 1 | Pay | ykey: | : Z | EVH | 101BC | iT2 | <u> </u> | |



Hall Environmental Analysis Laboratory 4901 Hawkins NI: Albuquerque, NM 87105

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **BLAGG** Work Order Number: 1305710 RcptNo: 1 05/17/13 Received by/date: 5/17/2013 10:03:00 AM Logged By: Michelle Garcia Completed By: 5/17/2013 10:06:15 AM Michelle Garcia Reviewed By: Chain of Custody No Not Present ✓ 1. Custody seals intact on sample bottles? Yes 2. Is Chain of Custody complete? Not Present Yes 🗸 No 3. How was the sample delivered? Courier Log In 4. Was an attempt made to cool the samples? NA -No : 5. Were all samples received at a temperature of >0° C to 6.0°C 6. Sample(s) in proper container(s)? No 7. Sufficient sample volume for indicated test(s)? No No ! 8. Are samples (except VOA and ONG) properly preserved? 9. Was preservative added to bottles? No 🗸 Yes Yes No VOA Vials ✔ 10.VOA vials have zero headspace? No : Yes 11. Were any sample containers received broken? No 🗸 # of preserved bottles checked No : : for pH: 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No 13. Are matrices correctly identified on Chain of Custody? Yes 🗸 14 Is it clear what analyses were requested? No Yes Checked by: No 15. Were all holding times able to be met? Yes V (If no, notify customer for authorization.) Special Handling (if applicable) Yes i 16. Was client notified of all discrepancies with this order? No NA V Person Notified: Date: By Whom: Via: In Person : eMail Phone ! Fax Regarding: Client Instructions: 17. Additional remarks: 18, Cooler Information Cooler No | Temp °C | Condition | Seal Intact | Seal No 1.6 Good Not Present



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

February 05, 2014

Jeff Blagg Blagg Engineering P. O. Box 87

Bloomfield, NM 87413 TEL: (505) 320-1183 FAX (505) 632-3903

RE: Valencia GC B 1M

Excavation Perimeter Closure Sampling Report

OrderNo.: 1401C25

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 5 sample(s) on 1/31/2014 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 www.hallenvironmental.com 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 qualifiers 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1401C25

Date Reported: 2/5/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Valencia GC B 1M Project:

1401C25-001 Lab ID:

Client Sample ID: NE Corner

Collection Date: 1/30/2014 2:02:00 PM

Received Date: 1/31/2014 10:15:00 AM

| Analyses | Result | RL (| Qual 1 | Units | DF | Date Analyzed | Batch |
|-------------------------------|-------------|----------|--------|-------|----|----------------------|-------|
| EPA METHOD 8015D: DIESEL RANG | SE ORGANICS | | | | | Analyst | : BCN |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 1/31/2014 8:09:11 PM | 11505 |
| Surr: DNOP | 109 | 66-131 | | %REC | 1 | 1/31/2014 8:09:11 PM | 11505 |
| EPA METHOD 8015D: GASOLINE RA | ANGE | | | | | Analyst | JMP |
| Gasoline Range Organics (GRO) | 7.4 | 4.7 | | mg/Kg | 1 | 2/1/2014 6:34:41 PM | 11514 |
| Surr: BFB | 132 | 74.5-129 | S | %REC | 1 | 2/1/2014 6:34:41 PM | 11514 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst | : JMP |
| Benzene | ND | 0.047 | | mg/Kg | 1 | 2/1/2014 6:34:41 PM | 11514 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 2/1/2014 6:34:41 PM | 11514 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 2/1/2014 6:34:41 PM | 11514 |
| Xylenes, Total | 0.20 | 0.095 | | mg/Kg | 1 | 2/1/2014 6:34:41 PM | 11514 |
| Surr: 4-Bromofluorobenzene | 96.7 | 80-120 | | %REC | 1 | 2/1/2014 6:34:41 PM | 11514 |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst | JRR |
| Chloride | ND | 30 | | mg/Kg | 20 | 2/3/2014 11:46:32 AM | 11534 |

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- О RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit Not Detected at the Reporting Limit
 Page 1 of 9
 Sample pH greater than 2 for VOA and TOC only.
- P
- RLReporting Detection Limit

Lab Order 1401C25

Date Reported: 2/5/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Valencia GC B 1M

Lab ID: 1401C25-002 Client Sample ID: East Wall 4-pt Comp

Collection Date: 1/30/2014 2:06:00 PM

Received Date: 1/31/2014 10:15:00 AM

| Analyses | Result | RL (| Qual L | Jnits | DF | Date Analyzed | Batch |
|-------------------------------|-------------|----------|--------|-------|----|----------------------|--------|
| EPA METHOD 8015D: DIESEL RANG | SE ORGANICS | | | | | Analyst | BCN |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 1/31/2014 8:39:18 PM | 11505 |
| Surr: DNOP | 104 | 66-131 | | %REC | 1 | 1/31/2014 8:39:18 PM | 11505 |
| EPA METHOD 8015D: GASOLINE RA | ANGE | | | | | Analyst | : JMP |
| Gasoline Range Organics (GRO) | 9.5 | 4.7 | | mg/Kg | 1 | 2/1/2014 8:00:17 PM | 11514 |
| Surr: BFB | 133 | 74.5-129 | S | %REC | 1 | 2/1/2014 8:00:17 PM | 11514 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst | :: JMP |
| Benzene | ND | 0.047 | | mg/Kg | 1 | 2/1/2014 8:00:17 PM | 11514 |
| Toluene | ND | 0.047 | 1 | mg/Kg | 1 | 2/1/2014 8:00:17 PM | 11514 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 2/1/2014 8:00:17 PM | 11514 |
| Xylenes, Total | 0.10 | 0.093 | i | mg/Kg | 1 | 2/1/2014 8:00:17 PM | 11514 |
| Surr: 4-Bromofluorobenzene | 95.9 | 80-120 | | %REC | 1 | 2/1/2014 8:00:17 PM | 11514 |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst | JRR |
| Chloride | ND | 30 | i | mg/Kg | 20 | 2/3/2014 12:23:47 PM | 11534 |

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- Not Detected at the Reporting Limit ND
- Page 2 of 9 Sample pH greater than 2 for VOA and TOC only P
- Reporting Detection Limit RL

Lab Order 1401C25

Hall Environmental Analysis Laboratory, Inc. Date Reported: 2/5/2014

CLIENT: Blagg Engineering Valencia GC B 1M Project:

Client Sample ID: South Wall 3-pt Comp

Collection Date: 1/30/2014 2:14:00 PM

1401C25-003 Lab ID: Matrix: SOIL Received Date: 1/31/2014 10:15:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
|-------------------------------|------------|----------|----------|----|----------------------|-------|
| EPA METHOD 8015D: DIESEL RANG | E ORGANICS | | | | Analyst | BCN |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 1/31/2014 9:09:48 PM | 11505 |
| Surr: DNOP | 107 | 66-131 | %REC | 1 | 1/31/2014 9:09:48 PM | 11505 |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analyst | : JMP |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 2/1/2014 8:28:56 PM | 11514 |
| Surr: BFB | 88.2 | 74.5-129 | %REC | 1 | 2/1/2014 8:28:56 PM | 11514 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : JMP |
| Benzene | ND | 0.050 | mg/Kg | 1 | 2/1/2014 8:28:56 PM | 11514 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 2/1/2014 8:28:56 PM | 11514 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 2/1/2014 8:28:56 PM | 11514 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 2/1/2014 8:28:56 PM | 11514 |
| Surr: 4-Bromofluorobenzene | 93.2 | 80-120 | %REC | 1 | 2/1/2014 8:28:56 PM | 11514 |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : JRR |
| Chloride | ND | 30 | mg/Kg | 20 | 2/3/2014 12:36:12 PM | 11534 |

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

- Value exceeds Maximum Contaminant Level.
- Ε Value above quantitation range
- Analyte detected below quantitation limits J
- 0 RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н
- ND Not Detected at the Reporting Limit Not Detected at the Reporting Limit Page 3 of 9 Sample pH greater than 2 for VOA and TOC only.
- Reporting Detection Limit

Lab Order 1401C25

Date Reported: 2/5/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering Project:

Lab ID:

Valencia GC B 1M

1401C25-004

Client Sample 1D: West Wall 4-pt Comp

Collection Date: 1/30/2014 2:20:00 PM

Received Date: 1/31/2014 10:15:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
|--------------------------------|----------|----------|----------|----|----------------------|-------|
| EPA METHOD 8015D: DIESEL RANGE | ORGANICS | • | | | Analyst | BCN |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 1/31/2014 9:40:22 PM | 11505 |
| Surr: DNOP | 105 | 66-131 | %REC | 1 | 1/31/2014 9:40:22 PM | 11505 |
| EPA METHOD 8015D: GASOLINE RAI | NGE | | | | Analyst | JMP |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 2/1/2014 8:57:31 PM | 11514 |
| Surr: BFB | 85.3 | 74.5-129 | %REC | 1 | 2/1/2014 8:57:31 PM | 11514 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | JMP |
| Benzene | ND | 0.047 | mg/Kg | 1 | 2/1/2014 8:57:31 PM | 11514 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 2/1/2014 8:57:31 PM | 11514 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 2/1/2014 8:57:31 PM | 11514 |
| Xylenes, Total | ND | 0.094 | mg/Kg | 1 | 2/1/2014 8:57:31 PM | 11514 |
| Surr: 4-Bromofluorobenzene | 93.4 | 80-120 | %REC | 1 | 2/1/2014 8:57:31 PM | 11514 |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : JRR |
| Chloride | ND | 30 | mg/Kg | 20 | 2/3/2014 12:48:37 PM | 11534 |

Matrix: SOIL

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

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

Lab Order 1401C25

Date Reported: 2/5/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering Project:

Lab ID:

Valencia GC B 1M

1401C25-005

Client Sample ID: North Wall 3-pt Comp

Collection Date: 1/30/2014 2:26:00 PM

Received Date: 1/31/2014 10:15:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
|-------------------------------|------------|----------|----------|----|-----------------------|-------|
| EPA METHOD 8015D: DIESEL RANG | E ORGANICS | | | - | Analyst | BCN |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 1/31/2014 10:10:56 PM | 11505 |
| Surr: DNOP | 113 | 66-131 | %REC | 1 | 1/31/2014 10:10:56 PM | 11505 |
| EPA METHOD 8015D: GASOLINE RA | NGE | | | | Analyst | JMP |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 2/1/2014 9:26:08 PM | 11514 |
| Surr: BFB | 101 | 74.5-129 | %REC | 1 | 2/1/2014 9:26:08 PM | 11514 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | JMP |
| Benzene | ND | 0.047 | mg/Kg | 1 | 2/1/2014 9:26:08 PM | 11514 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 2/1/2014 9:26:08 PM | 11514 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 2/1/2014 9:26:08 PM | 11514 |
| Xylenes, Total | ND | 0.093 | mg/Kg | 1 | 2/1/2014 9:26:08 PM | 11514 |
| Surr: 4-Bromofluorobenzene | 92.9 | 80-120 | %REC | 1 | 2/1/2014 9:26:08 PM | 11514 |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | JRR |
| Chloride | ND | 30 | mg/Kg | 20 | 2/3/2014 1:01:02 PM | 11534 |

Matrix: SOIL

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

- Value exceeds Maximum Contaminant Level.
- Е Value above quantitation range
- Analyte detected below quantitation limits J
- RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Sample pH greater than 2 for VOA and TOC only P
- Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1401C25 05-Feb-14

Client:

Blagg Engineering

Project:

Valencia GC B 1M

Sample ID MB-11534

SampType: MBLK

TestCode: EPA Method 300.0: Anions

LowLimit

TestCode: EPA Method 300.0: Anions

LowLimit

Client ID:

PBS

Batch ID: 11534

RunNo: 16499

Prep Date: 2/3/2014

Analysis Date: 2/3/2014

SeqNo: 475170

Units: mg/Kg

HighLimit

RPDLimit Qual

Analyte Chloride

Result **PQL** ND 1.5

Sample ID LCS-11534

LCSS

2/3/2014

SampType: LCS Batch ID: 11534

PQL

RunNo: 16499

Units: mg/Kg

Analyte

Client ID:

Prep Date:

Analysis Date: 2/3/2014

SegNo: 475171

%RPD

%RPD

RPDLimit Qual

Result

1.5 15.00

110

HighLimit

Chloride

14

SPK value SPK Ref Val %REC

SPK value SPK Ref Val %REC

92.3

90

Qualifiers:

Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

Value above quantitation range

Analyte detected below quantitation limits

RSD is greater than RSDlimit 0

RPD outside accepted recovery limits

Analyte detected in the associated Method Blank

Sample pH greater than 2 for VOA and TOC only.

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

Reporting Detection Limit

Page 6 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#: 1401C25

05-Feb-14

Client:

Blagg Engineering

Project:

Valencia GC B 1M

| Sample ID MB-11505 | SampT | ype: ME | BLK | Tes | tCode: El | A Method | 8015D: Diese | el Range C | Organics | |
|---|---------------------|--------------------------------------|----------------|-------------|-------------------------------|---------------|-----------------------------|------------|--------------------------|------|
| Client ID: PBS | Batch | 1D: 11 | 505 | F | RunNo: 1 | 6420 | | | | |
| Prep Date: 1/31/2014 | Analysis D | ate: 1/ | 31/2014 | S | SeqNo: 4 | 74322 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) Surr: DNOP | ND 8.1 | 10 | 10.00 | | 81.1 | 66 | 131 | | | |
| | | | | | | | | | | |
| Sample ID LCS-11505 | SampT | ype: LC | s | Tes | tCode: El | PA Method | 8015D: Diese | el Range C | Organics | |
| | • | ype: LC i ID: 11 | | | tCode: El RunNo: 10 | | 8015D: Diese | el Range C | Organics | |
| Client ID: LCSS | • | iD: 11 : | | F | | 6420 | 8015D: Diese Units: mg/K | J | Organics | |
| Client ID: LCSS Prep Date: 1/31/2014 | Batch | iD: 11 : | 505 31/2014 | F | RunNo: 10 | 6420 | | J | Organics RPDLimit | Qual |
| | Batch Analysis D | n ID: 11 : pate: 1/ | 505 31/2014 | F | RunNo: 10 SeqNo: 4 | 6420 74323 | Units: mg/K | g | Ü | Qual |

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 for VOA and TOC only.
- RL Reporting Detection Limit

Page 7 of 9

Project:

Hall Environmental Analysis Laboratory, Inc.

Valencia GC B 1M

WO#: 1401C25 05-Feb-14

Client: Blagg Engineering

Completion APP 44544 Completion BIDLY ToolCode

Sample ID MB-11514 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **11514** RunNo: **16439**

Prep Date: 1/31/2014 Analysis Date: 2/1/2014 SeqNo: 474130 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Gasoline Range Organics (GRO)
 ND
 5.0

 Surr: BFB
 820
 1000
 82.5
 74.5
 129

Sample ID LCS-11514 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 11514 RunNo: 16439

Prep Date: 1/31/2014 Analysis Date: 2/1/2014 SeqNo: 474131 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) 27 5.0 25.00 0 108 74.5 126

 Gasoline Range Organics (GRO)
 27
 5.0
 25.00
 0
 108
 74.5
 126

 Surr: BFB
 900
 1000
 89.8
 74.5
 129

Sample ID 1401C25-001AMS SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: NE Corner Batch ID: 11514 RunNo: 16439

Prep Date: 1/31/2014 Analysis Date: 2/1/2014 SeqNo: 474138 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Result **PQL** HighLimit Qual Analyte LowLimit Gasoline Range Organics (GRO) 33 4.8 23.79 7.438 109 69.5 145 1400 951.5 149 74.5 129 S Surr: BFB

Sample ID 1401C25-001AMSD SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: NE Corner Batch ID: 11514 RunNo: 16439

Prep Date: 1/31/2014 Analysis Date: 2/1/2014 SeqNo: 474139 Units: mg/Kg

%RPD SPK value SPK Ref Val %REC HighLimit **RPDLimit** Result PQL LowLimit Qual 34 4.7 23.74 7.438 113 69.5 145 3.04 20 Gasoline Range Organics (GRO)

Surr: BFB 1400 949.7 145 74.5 129 0 0 S

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 for VOA and TOC only.

RL Reporting Detection Limit

Page 8 of 9

Hall Environmental Analysis Laboratory, Inc.

3.3

0.96

0.10

3.000

1.000

WO#:

1401C25 05-Feb-14

Client:

Blagg Engineering

Project:

Xylenes, Total

Surr: 4-Bromofluorobenzene

Valencia GC B 1M

| Sample ID MB-11514 | Samp | Гуре: М Е | BLK | Tes | tCode: E | PA Method | 8021B: Vola | tiles | | |
|----------------------------|-------------------|------------------|-----------|-------------|----------|-----------|-------------|-------|----------|------|
| Client ID: PBS | Batc | h ID: 11 | 514 | F | RunNo: 1 | 6439 | | | | |
| Prep Date: 1/31/2014 | Analysis [| Date: 2 / | 1/2014 | 5 | SeqNo: 4 | 74184 | Units: mg/h | (g | | |
| 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 | 0.89 | | 1.000 | | 89.3 | 80 | 120 | | | _ |
| Sample ID LCS-11514 | Samp ² | Гуре: LC | s | Tes | tCode: E | PA Method | 8021B: Vola | tiles | | |
| Client ID: LCSS | Batc | h ID: 11 | 514 | F | RunNo: 1 | 6439 | | | | |
| Prep Date: 1/31/2014 | Analysis [| Date: 2/ | 1/2014 | 5 | SeqNo: 4 | 74185 | 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 | 112 | 80 | 120 | | | |
| Toluene | 1.1 | 0.050 | 1.000 | 0 | 107 | 80 | 120 | | | |
| Ethylbenzene | 1.1 | 0.050 | 1.000 | 0 | 109 | 80 | 120 | | | |

| Sample ID 1401C25-002AM | I S SampT | ype: MS | 3 | Tes | tCode: E | PA Method | 8021B: Volat | iles | | |
|-----------------------------|------------------|---------------|-----------|-------------|----------|-----------|--------------|------|----------|------|
| Client ID: East Wall 4-pt C | om Batch | ID: 11 | 514 | F | RunNo: 1 | 6439 | | | | |
| Prep Date: 1/31/2014 | Analysis D | ate: 2/ | 1/2014 | 9 | SeqNo: 4 | 74198 | Units: mg/K | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.96 | 0.047 | 0.9337 | 0 | 103 | 67.4 | 135 | | | |
| Toluene | 0.95 | 0.047 | 0.9337 | 0.01694 | 100 | 72.6 | 135 | | | |
| Ethylbenzene | 0.99 | 0.047 | 0.9337 | 0.03028 | 102 | 69.4 | 143 | | | |
| Xylenes, Total | 3.0 | 0.093 | 2.801 | 0.1011 | 103 | 70.8 | 144 | | | |
| Surr: 4-Bromofluorobenzene | 0.91 | | 0.9337 | | 97.3 | 80 | 120 | | | |

0

109

96.1

80

80

120

120

| Sample ID 1401C25-002AM | I SD SampT | ype: MS | D | Tes | tCode: E | PA Method | 8021B: Vola | tiles | | |
|-----------------------------|-------------------|----------|-----------|-------------|----------|-----------|-------------|-------|----------|------|
| Client ID: East Wall 4-pt C | Com Batch | n ID: 11 | 514 | F | RunNo: 1 | 6439 | | | | |
| Prep Date: 1/31/2014 | Analysis D | oate: 2/ | 2/2014 | 8 | SeqNo: 4 | 74199 | Units: mg/H | ζg | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.94 | 0.047 | 0.9311 | 0 | 101 | 67.4 | 135 | 2.07 | 20 | |
| Toluene | 0.92 | 0.047 | 0.9311 | 0.01694 | 96.5 | 72.6 | 135 | 4.08 | 20 | |
| Ethylbenzene | 0.95 | 0.047 | 0.9311 | 0.03028 | 98.6 | 69.4 | 143 | 3.87 | 20 | |
| Xylenes, Total | 2.9 | 0.093 | 2.793 | 0.1011 | 98.7 | 70.8 | 144 | 3.96 | 20 | |
| Surr: 4-Bromofluorobenzene | 0.91 | | 0.9311 | | 97.3 | 80 | 120 | 0 | 0 | |

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 for VOA and TOC only.
- RL Reporting Detection Limit

Page 9 of 9

| Client: | Blagg Engir | neering, In | C | ☐ Standard | | 1 | ANALYSIS LABORATORY | | | | | | | | | | | |
|-------------------------|-------------|-------------|----------------------------|---|----------------------|---------------------------------------|---------------------|-----------------------|-----------|--------|--------|--------|-------|----------|----------------------|--|--|--|
| | BP America | 1 | | Project Name | Valencia GC | B 1M | | . ¥** | | | | ronme | | | | | | |
| Mailing Addr | ess: | P.O. Box | · 87 | | | | | 4901 H | lawkins | NE - | - Albı | uquerc | ue, N | M 87109 | 9 . | | | |
| | | Bloomfie | eld, NM 87413 | Project #: Tel. 505-345-3975 Fax 505-345-4107 | | | | | | | | | | | | | | |
| Phone #: | | (505)320 |)-1183 | | | | 197 | 4 | P. A. | Analy | ysis f | Reque | st . | · · · | S. B. M. | | | |
| email or Fax | #: | | | Project Mana | ager: | · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | |
| QA/QC Packa Standard | - | | □ Level 4 (Full Validation | <u> </u> | Jeff Blagg | | | | | | | | | | | | | |
| ☐ Other | | | | | Jeff Blagg | □ No | 1 | | | | | | | . | 2 | | | |
| □ EDD (Type) | | | On Ice: Sample Tem | Y Yes perature: | | GRC | | | | | | | o Y | | | | | |
| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. | BTEX (8021) | TPH 8015B (GRO / DRO) | | | | | | Chloride | Air Bubbles (Y or N) | | | |
| 01/30/2014 | 14:02 | Soil | NE Corner | 4oz x 1 | cool | -001 | ·x | x | | | | | | х | | | | |
| 01/30/2014 | 14:06 | Soil | East Wall 4-pt Comp | √4oz x 1 | cool | -002 | х | × | | | | | | х | | | | |
| 01/30/2014 | 14:14 | Soil | South Wall A-pt Comp DI | 40z x 1 | cool | -003 | х | × | | | | 1 | | х | | | | |
| 01/30/2014 | 14:20 | Soil | West Wall 4-pt Comp | 40z x 1 | cool | -004 | x | × | | | | | | x | 1 | | | |
| 01/30/2014 | 14:26 | Soil | North Wall 4-pt Comp | 4oz x 1 | cool | -005 | x | х | | | | | | х | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | · | | _ | | | | | | | | | | |
| | | | | ļ | | | 11 | | | | | | | | | | | |
| | | | | | | | | | | | | | 1 | | igsquare | | | |
| | | - | | | | | - | | | _ | | | 4 | | | | | |
| Date | | Relinquish | ed hv | Received by | <i></i> | Date , Time , | Pame | | Dill Dis | | | | | | $oldsymbol{\perp}$ | | | |
| Date: | 0610 | 24 | 1 Blegg | phin | dallon | 01/21/14 | Rema | irks: | Bill Blag | gg Eng | ginee | ring | • | | | | | |
| Date: | Time: | Réinquish | ed by: | Received by: | | Date Time | | | | | | | | | | | | |

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

Sample Log-In Check List

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

| Client Name: | BLAGG | | Work Order | Number: | 1401 | C25 | | | ReptNo: | RcptNo: 1 | | | | | | | |
|----------------------------------|---------------------------------|-------------------------------|---------------------------|---------|--------|---|------------|--|--|---------------------|--|--|--|--|--|--|--|
| Received by/da | ite: | 2 | 01/31 | 14 | | | | | | | | | | | | | |
| Logged By: | Ashley Gal | llegos | 1/31/2014 10: | 5:00 AM | | | A | F | | · | | | | | | | |
| Completed By: | Ashley Gal | llegos | 1/31/2014 11:4 | 7:39 AM | | | A | F | | | | | | | | | |
| Reviewed By: | 1 | <u> </u> | 01/3/ | 201 | 4 | | | | | | | | | | | | |
| Chain of Cus | stod <u>y</u> | | . , | | | | | | | | | | | | | | |
| 1. Custody se | als intact on sa | ample bottles? | | | Yes | l''', | No | ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;; | Not Present | | | | | | | | |
| 2. Is Chain of | Custody comp | lete? | | | Yes | | No | | Not Present] | | | | | | | | |
| 3. How was the sample delivered? | | | | | | ier | | | | | | | | | | | |
| <u>Log In</u> | | | | | | | | | | | | | | | | | |
| 4. Was an att | empt made to | cool the samp | les? | | Yes | ¥ | No | | NA 🗔 | | | | | | | | |
| 5. Were all sa | mples receive | d at a tempera | ture of >0° C to 6.0 | °C | | ing | No | | NA 🗔 | | | | | | | | |
| 6. Sample(s) | in proper conta | ainer(s)? | | | Yes | <u>Vot reg</u> | | ::: | | | | | | | | | |
| 7. Sufficient sa | ample volume | for indicated to | est(s)? | | Yes | V | No | | | | | | | | | | |
| 8. Are sample | s (except VOA | and ONG) pro | perly preserved? | | Yes | \checkmark | No | | | | | | | | | | |
| 9. Was preser | vative added to | o bottles? | | | Yes | | No | \checkmark | na 🗆 | | | | | | | | |
| 10.VOA vials h | ave zero head | space? | | | Yes | | No | | No VOA Vials 🔽 | | | | | | | | |
| 11. Were any s | sample contain | ers received b | roken? | | Yes | | No | [. | # of preserved | | | | | | | | |
| 40 - | | | | | | 1 21 | - 1 | 1.1 | bottles checked | | | | | | | | |
| 12.Does paper (Note discre | work match bo epancies on ch | |) | | Yes | IV i | No | نا | for pH: (<2 o | r >12 unless noted) | | | | | | | |
| 13. Are matrice | • | - | | | Yes | Y | No | | Adjusted? | | | | | | | | |
| 14. Is it clear w | hat analyses w | ere requested | ? | | Yes | Y | No | | | | | | | | | | |
| 15. Were all ho | lding times abl | | | | Yes | | No | | Checked by: | | | | | | | | |
| ` | | · | | | | | | | | | | | | | | | |
| Special Hand | dling (If app | olicable) | | | | | | | | | | | | | | | |
| 16. Was client | notified of all d | iscrepancies v | vith this order? | | Yes | D | No | | NA 😾 | : | | | | | | | |
| Perso | on Notified: | | | Date: | | *************************************** | | IANAMAN. | | 1 | | | | | | | |
| By W | hom: | | | Via: |] eMa | il [_] | Phone 📋 | Fax | n Person | | | | | | | | |
| Rega | rding: | | | | ****** | | | | una managara da managara d | | | | | | | | |
| Client | Instructions: | | | | | | | | | į | | | | | | | |
| 17. Additional | remarks: | | | | | | | | | | | | | | | | |
| 18. Cooler Info | | politica in a service Control | Pour depose the common of | | | , t. · | | | | | | | | | | | |
| Cooler N | No Temp ºC | | Seal Intact Seal | No S | eal Da | te | . Signed.I | 3у " | | | | | | | | | |
| 1 | 6.5 | Good | Yes | L | | | | | | | | | | | | | |



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

OrderNo.: 1404993

May 02, 2014

Nelson Velez
Blagg Engineering
P. O. Box 87
Bloomfield, NM 87413

TEL: (505) 320-3489 FAX (505) 632-3903

RE: VALENCIA GC B # 1M

MW-2A Lab Report

Dear Nelson Velez:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/23/2014 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 www.hallenvironmental.com 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 Freeman

Laboratory Manager

anded

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1404993

Date Reported: 5/2/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

Client Sample ID: MW # 2A

Project: VALENCIA GC B # 1M

Collection Date: 4/22/2014 1:15:00 PM

Lab ID: 1404993-001

Matrix: AQUEOUS

Received Date: 4/23/2014 10:02:00 AM

| Analyses | Result | RL Qua | | Units | DF | Date Analyzed | Batch |
|--------------------------------|--------|----------|---|-------|----|-----------------------|--------|
| EPA METHOD 8021B: VOLATILES | | | · | | | Anaiyst | : NSB |
| Benzene | ND | 1.0 | Р | μg/L | 1 | 4/25/2014 3:02:28 AM | R18204 |
| Toluene | ND | 1.0 | P | μg/L | 1 | 4/25/2014 3:02:28 AM | R18204 |
| Ethylbenzene | ND | 1.0 | Р | μg/L | 1 | 4/25/2014 3:02:28 AM | R18204 |
| Xylenes, Total | ND | 2.0 | Р | μg/L | 1 | 4/25/2014 3:02:28 AM | R18204 |
| Surr: 4-Bromofluorobenzene | 98.4 | 82.9-139 | Р | %REC | 1 | 4/25/2014 3:02:28 AM | R18204 |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst | : JRR |
| Fluoride | 0.63 | 0.50 | | mg/L | 5 | 4/24/2014 2:37:41 PM | R18205 |
| Chloride | 11 | 2.5 | | mg/L | 5 | 4/24/2014 2:37:41 PM | R18205 |
| Sulfate | 670 | 10 | | mg/L | 20 | 4/24/2014 2:50:05 PM | R18205 |
| Nitrate+Nitrite as N | ND | 1.0 | | mg/L | 5 | 4/30/2014 11:14:31 PM | R18329 |
| EPA METHOD 200.7: DISSOLVED ME | TALS | | | | | Analyst | : JLF |
| Iron | 0.39 | 0.020 | * | mg/L | 1 | 4/24/2014 3:31:58 PM | R18197 |
| SM2540C MOD: TOTAL DISSOLVED | SOLIDS | | | | | Analyst | : KS |
| Total Dissolved Solids | 1340 | 100 | * | mg/L | 1 | 4/29/2014 4:29:00 PM | 12902 |

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

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

Page 1 of 5

- P Sample pH greater than 2.
- RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

WO#:

1404993

02-May-14

Client:

Blagg Engineering

Project:

VALENCIA GC B # 1M

Sample ID MB

SampType: MBLK

TestCode: EPA Method 200.7: Dissolved Metals

Client ID:

PBW

Batch ID: R18197

RunNo: 18197

Prep Date:

Analysis Date: 4/24/2014

Result

SeqNo: 525096

Units: mg/L

HighLimit

%RPD **RPDLimit**

Qual

Analyte Iron

ND 0.020

Sample ID LCS Client ID: LCSW

SampType: LCS Batch ID: R18197

PQL

RunNo: 18197

Prep Date:

Analysis Date: 4/24/2014

SeqNo: 525097

Units: mg/L

Analyte

PQL

SPK value SPK Ref Val %REC

LowLimit

HighLimit

%RPD **RPDLimit**

Qual

SPK value SPK Ref Val %REC LowLimit

Iron

0.49

TestCode: EPA Method 200.7: Dissolved Metals

0.5000

115

Result

0.020

98.8

85

Qualifiers:

Е

- Value exceeds Maximum Contaminant Level. Value above quantitation range
- Analyte detected below quantitation limits
- RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits

RSD is greater than RSDImit O

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit ND
- P Sample pH greater than 2.
- RLReporting Detection Limit

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1404993

02-May-14

Client:

Blagg Engineering

VALENCIA GC D # 1M

| Project: | | VALENCIA GC B | # 1M | | | | | | | | | | | | |
|-------------------|------|---------------|--|-----------|------------------------------------|-----------|-----------|---------------|------|-------------|------|--|--|--|--|
| Sample ID | MB | Samp1 | уре: МЕ | BLK | Tes | tCode: El | PA Method | 300.0: Anions | 3 | | | | | | |
| Client ID: | PBW | Batcl | h ID: R1 | 8205 | F | RunNo: 1 | 8205 | | | | | | | | |
| Prep Date: | | Analysis D | Date: 4/ | 24/2014 | 9 | SeqNo: 5 | 25436 | Units: mg/L | | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Fluoride | | ND | 0.10 | | | • | | | | | | | | | |
| Chloride | | ND | 0.50 | | | | | | | | | | | | |
| Sulfate | | ND | 0.50 | | | | ··· | | | | | | | | |
| Sample ID | LCS | SampT | ype: LC | s | TestCode: EPA Method 300.0: Anions | | | | | | | | | | |
| Client ID: | LCSW | Batcl | n ID: R1 | 8205 | F | RunNo: 1 | 8205 | | | | | | | | |
| Prep Date: | | Analysis D | Analysis Date: 4/24/2014 SeqNo: 525437 | | | | | | | | | | | | |
| Analyte | | Result | PQL | | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Fluoride | | 0.48 | 0.10 | 0.5000 | 0 | 96.6 | 90 | 110 | | | | | | | |
| Chloride | | 4.6 | 0.50 | 5.000 | 0 | 92.4 | 90 | 110 | | | | | | | |
| Sulfate | | 9.3 | 0.50 | 10.00 | 0 | 93.1 | 90 | 110 | | | | | | | |
| Sample ID | МВ | SampT | ype: ME | BLK | Tes | tCode: El | PA Method | 3 | | | | | | | |
| Client ID: | PBW | Batch | n ID: R1 | 8329 | F | RunNo: 1 | 8329 | | | | | | | | |
| Prep Date: | | Analysis D | ate: 4/ | 30/2014 | 8 | SeqNo: 5 | 29476 | Units: mg/L | | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Nitrate+Nitrite | as N | ND | 0.20 | | | | | | | | | | | | |
| Sample ID | LCS | SampT | ype: LC | s | Tes | tCode: El | PA Method | 300.0: Anions | ; | | | | | | |
| Client ID: | LCSW | Batch | n ID: R1 | 8329 | F | RunNo: 1 | 8329 | | | | | | | | |
| Prep Date: | | Analysis D | ate: 4/ | 30/2014 | 8 | SeqNo: 5 | 29477 | Units: mg/L | | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Nitrate+Nitrite a | as N | 3.4 | 0.20 | 3.500 | 0 | 97.4 | 90 | 110 | | | | | | | |

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range Ε
- Analyte detected below quantitation limits
- О RSD is greater than RSDImit
- RPD outside accepted recovery limits R
- Spike Recovery outside accepted recovery limits
- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Reporting Detection Limit

Sample pH greater than 2.

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1404993 *02-May-14*

Client:

Blagg Engineering

Project:

VALENCIA GC B # 1M

| Sample ID 5ML RB | Samp1 | ype: ME | BLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | | | | |
|--|------------|-----------------|-----------|---------------------------------------|------------------------|----------|-----------|------|----------|------|--|--|--|--|--|
| Client ID: PBW | Batcl | ı ID: R1 | 8204 | F | RunNo: 1 | 8204 | | | | | | | | | |
| Prep Date: | Analysis [| ate: 4/ | 24/2014 | S | SeqNo: 525419 U | | | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | | |
| Benzene | ND | 1.0 | | | | | | - | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | | | | | | |
| Xylenes, Total | ND | 2.0 | | | | | | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 19 | | 20.00 | | 96.8 | 82.9 | 139 | | | | | | | | |
| Sample ID 100NG BTEX LCS SampType: LCS | | | | TestCode: EPA Method 8021B: Volatiles | | | | | | | | | | | |
| Client ID: LCSW | Batch | n ID: R1 | 8204 | F | RunNo: 1 | 8204 | | | | | | | | | |
| B | | | | _ | 0 11 11 " " | | | | | | | | | | |

| Sample ID 100NG BTEX LC | CS SampT | ype: LC | S | TestCode: EPA Method 8021B: Volatiles | | | | | | | | | | | |
|----------------------------|-----------------|---------------|-----------|---------------------------------------|----------|----------|-------------|------|----------|------|--|--|--|--|--|
| Client ID: LCSW | Batch | 1D: R1 | 8204 | F | RunNo: 1 | 8204 | | | | | | | | | |
| Prep Date: | Analysis D | ate: 4/ | 24/2014 | SeqNo: 525420 | | | Units: µg/L | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | | |
| Benzene | 21 | 1.0 | 20.00 | 0 | 106 | 80 | 120 | | | - | | | | | |
| Toluene | 21 | 1.0 | 20.00 | 0 | 105 | 80 | 120 | | | | | | | | |
| Ethylbenzene | 21 | 1.0 | 20.00 | 0 | 105 | 80 | 120 | | | | | | | | |
| Xylenes, Total | 64 | 2.0 | 60.00 | 0 | 106 | 80 | 120 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 20 | | 20.00 | | 99.0 | 82.9 | 139 | | | | | | | | |

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

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1404993 02-May-14

Client:

Blagg Engineering

Project:

VALENCIA GC B # 1M

Sample ID MB-12902 Client ID: PBW

SampType: MBLK Batch ID: 12902

TestCode: SM2540C MOD: Total Dissolved Solids

RunNo: 18294

Prep Date: 4/28/2014

Analysis Date: 4/29/2014

SeqNo: 528264

Units: mg/L

Analyte

Client ID:

Analyte

Result

SPK value SPK Ref Val %REC

LowLimit

HighLimit

%RPD **RPDLimit**

Qual

Total Dissolved Solids

ND 20.0

PQL

Sample ID LCS-12902

LCSW

SampType: LCS Batch ID: 12902 TestCode: SM2540C MOD: Total Dissolved Solids

RunNo: 18294

Prep Date: 4/28/2014

Analysis Date: 4/29/2014

SeqNo: 528265

%REC

Units: mg/L

Qual

Result PQL

SPK value SPK Ref Val

100

LowLimit 80

Total Dissolved Solids

1000 20.0

1000

0

120

HighLimit

%RPD **RPDLimit**

Qualifiers:

Value exceeds Maximum Contaminant Level.

Spike Recovery outside accepted recovery limits

Value above quantitation range E

Analyte detected below quantitation limits

0 RSD is greater than RSDlimit

RPD outside accepted recovery limits R

В Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Sample pH greater than 2.

Reporting Detection Limit RL

Page 5 of 5

| O1 | Cham-or-Custody Record | | | | | | | 7 [| | H | ۵LI | E | NI | /T 6 | 30 | NI | MEI | JT/ | AL | |
|----------------|---------------------------|-------------|---------------------------|---------------------------|---|---------------------------|--------------------------|-------------|----------------|-------------|---------------------|---------------|-------------------------------|------------------------|--------------------------|------------|----------|-------------|------------------------|----------|
| Client: | DENGG ERGRI / DI ARIERION | | | | Rush _ | | | | | | | | | | | | RA | | | F |
| Mailing Ad | ldress: | P.O. BOX | (87 | Project Name: VAI | Www.hallenvironmental.com VALENCIA GC B # 1M 4901 Hawkins NE - Albuquerque, NM 87109 | | | | | | | | | | | | | | | |
| | | BLOOM | FIELD, NM 87413 | Project #: | | | 1 | Tel | l. 50! | 5-345 | -397! | 5 | Fax | 505 | 345 | -410 |)7 | | | |
| Phone #: | | (505) 63 | 2-1199 | | | | | | | • : | y' | Anal | ysis | Rec | ļues | it. | | | | |
| email or Fa | ax#: | | | Project Manag | er. | | (8021B) | | | | | | 3 | | | | | | T | Ţ |
| QA/QC Pad | _ | | Level 4 (Full Validation) | NELSON VELEZ | | | | (Aluo | / MRO) | | IS) | 2 | Per,so | | | 石 | | | | |
| Accreditati | ion: | | | Sampler: NELSON VELEZ 925 | | | | + TPH (Gas | | न र | 8270SIMS) | 100 | \$ | lids | red | | | | lg m | l |
| □ NELAP | LAP Dther | | | | X Yes | | ¶ | 됩 | 2 | 418.1) | 827 | , | 6 | d So | filte | # | | | e sa | |
| □ EDD (T | Туре) | | | Sample Tempe | ratures 3, 2 | 0 | # | | GR. | g | | | N () | olve |) sno | /Witnite-N | |) e | osit | ; |
| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL NO: 14 04993 | BTEX ★ | BTEX + MTBE | TPH 8015B (GRO | TPH (Method | PAH (8310 or 82705) | RCRA 8 Metals | Anions (F,CI,NO3,NO2,PO4,SO4) | Total Dissolved Solids | Iron, Ferrous (filtered) | Nitrate N | | Grab sample | 5 pt. composite sample | :: |
| 4/22/14 | 1315 | WATER | MW # 2A | 40 ml VOA - 2 | HCl & Cool | -001 | V | | | | | | | | | | | V | | T |
| 4/22/14 | 1315 | WATER | MW # 2A | 500 ml - 1 | Cool | -001 | | | | | | | ٧ | ٧ | | | | ٧ | | Γ |
| 4/22/14 | 1315 | WATER. | MW # 2A | 125 ml - 1 | HNO ₃ & Cool | -001 | | | | | | | | | 7 | | | V | | T |
| 4/22/14 | 1315 | WATER | IVIW # 2A | 125 ml - 1 | H₂SO ₄ & Cool | -001 | | | | | | | | | | ٧ | | ٧ | | I |
| | | | | | | | | | | | | | | | | | | | | L |
| | | | | | | | | | | | | | | | | | | | | L |
| | | | | | | | | | | | | | | | | | | | | L |
| | | | | | | | | | | | | | <u></u> | | | | | | | L |
| | | | : | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | <u>L</u> | <u>. [.</u> | | |
| | | | | | | | | | | | | | <u> </u> | | | | | | | L |
| | | | | | | | | | | | | | | | | | | | | |
| Date: | Time: | Relinquishe | ed by: | Received by: | , | Date Time | l | narks | | | | | - | | | | | | | |
| Z1 4 Date: | 1559 Time: | Relinquishe | du V | Mustic Received by: | Lacle | 122/14/539 Date Time | biage trigineering, inc. | | | | | | | | | | | | | |
| 1/22/14 | 1725 | Thris | · 1.3 | Celin S | nun 00 | 1/23/14 10:02 | P.O. Box 8/ | | | | | | | | | | | | | |

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: 1404993 RcptNo: 1 Received by/date: 4/23/2014 10:02:00 AM Logged By: Celina Sessa Completed By: Celina Şessa 4/24/2014 8:36:25 AM Reviewed By: Chain of Custod No [Yes 🗍 Not Present V 1. Custody seals intact on sample bottles? Yes 🗸 No Not Present 2. Is Chain of Custody complete? .3 How was the sample delivered? Courier Log In No 🗔 Yes V NA I 4. Was an attempt made to cool the samples? NA [] 5. Were all samples received at a temperature of >0° C to 6.0°C No [Yes V No : 6. Sample(s) in proper container(s)? 7. Sufficient sample volume for indicated test(s)? Nο 8. Are samples (except VOA and ONG) properly preserved? Nο 9. Was preservative added to bottles? No 🗸 No 🗌 Yes 🗸 10.VOA vials have zero headspace? No VOA Vials Yes 🗌 No 🔽 11. Were any sample containers received broken? # of preserved bottles checked No 🗔 for pH: 12. Does paperwork match bottle labels? (2 unless noted) (Note discrepancies on chain of custody) 13. Are matrices correctly identified on Chain of Custody? No Yes V Yes 🗹 No 14. Is it clear what analyses were requested? Checked by: 15. Were all holding times able to be met? Yes V No (If no, notify customer for authorization.) Special Handling (if applicable) 16. Was client notified of all discrepancies with this order? Yes [] No 🔲 NA 🗹 Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No Temp 6 Condition Seal Intact Seal No Seal Date Good