<u>District I</u> 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 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

OIL CONS. DIV DIST. 3

Form C-141 Revised August 8, 2011

Submit 1 2 0 2017 Revised August 8, 2011 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

| Release Notificati | on and Corrective Action | n |
|---|--|---|
| | OPERATOR | ☐ Initial Report ☐ Final Report |
| Name of Company: BP | Contact: Steve Moskal | |
| Address: 200 Energy Court, Farmington, NM 87401 | Telephone No.: 505-326-9497 | * |
| Facility Name: Gallegos Canyon Unit 347 | Facility Type: Natural gas well | |
| Surface Owner: Fee Mineral Owner | er: Fee | API No. 3004526134 |
| LOCATI | ON OF RELEASE | |
| Unit Letter Section Township Range Feet from the No Section 15 28N 12W 1,520 So | | West Line County: San Juan |
| Latitude 36.65913 | <u>Congitude -108.09557°</u> | |
| NATUR | RE OF RELEASE | |
| Type of Release: none | Volume of Release: unknown | Volume Recovered: N/A |
| Source of Release: below grade tank – 95 bbl | Date and Hour of Occurrence: | Date and Hour of Discovery: none |
| Was Immediate Notice Given? | none If YES, To Whom? | |
| Yes No Not Requir | | |
| By Whom? | Date and Hour | |
| Was a Watercourse Reached? ☐ Yes ☒ No | If YES, Volume Impacting the Wa | tercourse. |
| If a Watercourse was Impacted, Describe Fully.* | | |
| | | |
| Describe Cause of Problem and Remedial Action Taken.* Sampling of | | |
| BTEX and TPH below BGT closure standards. Chloride concentration depth to groundwater of >100' the levels pose no significant threat to staboratory results are attached. | | |
| Describe Area Affected and Cleanup Action Taken.* No action necess | ary. Final laboratory analysis determined | d no remedial action is required. |
| | | Lilia Wilder |
| I hereby certify that the information given above is true and complete regulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by | se notifications and perform corrective ac the NMOCD marked as "Final Report" | tions for releases which may endanger does not relieve the operator of liability |
| should their operations have failed to adequately investigate and remed or the environment. In addition, NMOCD acceptance of a C-141 repo | | |
| federal, state, or local laws and/or regulations. | OIL CONSER' | VATION DIVISION |
| Signature: Also Min | | |
| Printed Name: Steve Moskal | Approved by Environmental Speciali | st. |
| Title: Field Environmental Coordinator | Approval Date: 7 2 4 207 | Expiration Date: |
| E-mail Address: steven.moskal@bp.com | Conditions of Approval: | Attached |
| Date: July 18, 2017 Phone: 505-326-9497 | | |
| Attach Additional Sheets If Necessary | NCS170313512 | 2 |

OIL CONS. DIV DIST. 3 JUL 2 0 2017

| BP BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 FIELD REPORT: (pick one): BGT CONFRMATION) RELEASE INVESTIGATION / OTHER: PAGE #: 1 of 1 SITE INFORMATION: SIEMAE GCU #347 OLIADARIT J SIC: 15 TWP 28N NRS 12W PM NM CNIY S.J. SIL NM ONTERNATION: SIEMAE GCU #347 OLIADARIT J SIC: 15 TWP 28N NRS 12W PM NM CNIY S.J. SIL NM ONTERNATION: SIEMAE GCU #347 OLIADARIT J SIC: 15 TWP 28N NRS 12W PM NM CNIY S.J. SIL NM ONTERNATION: SIEMAE GCU #347 OLIADARIT J SIC: 15 TWP 28N NRS 12W PM NM CNIY S.J. SIL NM ONTERNATION: SIEMAE GCU #347 OLIADARIT J SIC: 15 TWP 28N NRS 12W PM NM CNIY S.J. SIL NM ONTERNATION: SIEMAE GCU #347 OLIADARIT J SIC: 15 TWP 28N NRS 12W PM NM CNIY S.J. SIL NM ONTERNATION: SIEMAE GCU #347 PAGE #: 1 of 1 OHT STATEMEN FEEL MACROTICAL PROBLEMS IN TAXIBLE SIZE AND ONTERNATION: SIEMAE GCU #347 OLIADARIT J SIC: 15 TWP 28N NRS 12W NM CNIY S.J. SIL NM ONTERNATION: SIEMAE GCU #347 REFERENCE POINT: WELL HEAD (WH) GPS COORD. 36,65928 X 108,09563 OLIEV 5,660' 39 SERTIONE GCOORD. 36,65913 X 108,09557 GENOCHERATION FROM NRS. 2000 GCO | | | | | | |
|--|---|--|---|--------------|--------------------------|-----------------|
| P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199 FIELD REPORT: (crole only: BET CONFRONTION): STENAME GCU # 347 QUADUNT J SEC. 15 TWP 28N RNS. 12W PM NM CNTY. SJ ST NM 114-1447-COTAGE 1,5205 / 1,630°E NW/SE LEASE TYPE FEDERAL/STATE / FEEL / INDIAN SET STATE OS STATE O 05/17/16 DATE STATED DATE S | DD. | BLAGG E | NGINEERING, INC. | | 300452 | 26134 |
| FIELD REPORT: (circle only): (GOT CONFIRMATION) RELEASE INVESTIGATION / OTHER: PAGE #: 1 of 1 PAGE #: 1 of 1 | CLIENT: DF | P.O. BOX 87, B | LOOMFIELD, NM 874 | 13 | TANKID | _ |
| SITE INFORMATION: SITE INFORMAT | | (50 | 5) 632-1199 | | (if applicble): | A |
| QUADUNIT J SEC. 15 TAMP 28N RNG 12W PM NM CNTY. SJ ST NM IM-IMPROTRISE 1,520°S /1,630°E NWSE LASE TYPE FEDERAL / STATE / FEET INDIAN | FIELD REPORT: | (circle one): BGT CONFIRMATION | / RELEASE INVESTIGATION / OTHER: | | PAGE #: 1 | of 1 _ |
| 1.4-1/4/POOTAGE | SITE INFORMATION | I: SITE NAME: GCU # | 347 | | DATE STARTED: 05 | 5/17/16 |
| 1.4-1/4/POOTAGE | QUAD/UNIT: J SEC: 15 TWP: | 28N RNG: 12W PM: | NM CNTY: SJ ST: | NM | DATE FINISHED: | |
| REFERENCE POINT: WELL HEAD (WH.) GPS COORD: 36,65928 X 108,09563 GLELEV: 5,560' 1) 95 BGT (DW/DB) GPS COORD: 36,65913 X 108,09557 DEPMACEBRANG FROM WH. 37 GPS COORD: DEPMACEBRANG FROM WH. 38 SAMPLING DATA: CHAIN OF CUSTODY RECORDS; 9 OR LAB USED: HALL 1) SAMPLEID SPC - TB @ 5' (95) SURFEDIVE D5/17/16 SAMPLEID USANDEED SAMPLEIDE 2) SAMPLEID SAMPLEID SAMPLEIDE 30 SAMPLEIDE 30 SAMPLEID SAMPLEIDE 30 SAMPLEIDE | 1/4 -1/4/FOOTAGE: 1,520'S / 1,6 | 30'E NW/SE LEASE | TYPE: FEDERAL/STATE/FEE/II | NDIAN | ENVIRONMENTAL | |
| REFERENCE POINT: WELLHEAD (WH.) GPS COORD: 36,65928 X 108,09563 GL ELEV: 5,660' 95 BGT (DW/DB) GPS COORD: 36,65913 X 108,09557 DISTANCEBERRING FROM WH: 38', \$41.5E 2) GPS COORD: DISTANCEBERRING FROM WH: DISTANCEBERRING | 0=0=0100 | | STRIKE | | | NJV |
| 1) 95 BGT (DW/DB) GPS COORD: 36.65913 X 108.09557 DISTINCESERING FROM WE. 2) GPS COORD: DISTINCESERING FROM WE. 3) GPS COORD: DISTINCESERING FROM WE. 4) GPS COORD: DISTINCESERING FROM WE. 4) GPS COORD: DISTINCESERING FROM WE. 5 SAMPLEID SPC - TB @ 5' (95) SAMPLEIDE DESTROY RECORDIS) & OR LAB USED HALL 1) SAMPLEID SPC - TB @ 5' (95) SAMPLEIDE DESTROY RECORDIS) & OR LAB USED HALL 2) SAMPLEID SAMPLEID SAMPLEID SAMPLEIDE SAMPLEIDE URANUSS 30 SAMPLEID SAMPLEID SAMPLEID SAMPLEIDE URANUSS 5 SOIL COLOR SAMPLEID SAMPLEIDE URANUSS 5 SOIL COLOR MODERATE BROWN TO OLIVE GRAY COMBINERY (COMPANIES OLIS) LOOSE (FIRM) DENSE (| REFERENCE POINT | | | | GLELEV. | 5 660' |
| 2) GPS COORD: DISTANCERRANG FROM VAI: 4) SAMPLE ID: DISTANCERRANG FROM VAI: 4) SAMPLE ID: SAMPLE DISTANCERRANG FROM VAI: 4) SAMPLE ID: SAMPLE DISTANCERRANG FROM VAI: 4) SAMPLE ID: SAMPLE DISTANCERRANG FROM VAI: 5) SAMPLE ID: SAMPLE DISTANCERRANG FROM VAI: 6) SAMPLE ID: DISTANCERRANG FROM VAI: 6) SAMPLE COLLECTION. 7) SAMPLE DISTANCER SAMPLE DISTANCERRANG FROM VAI: 7) SAMPLE DISTANCER SAMPLE COLLECTION. 7) SAMPLE | | () | | | | |
| SAMPLING DATA: CHAIN OF CUSTODY RECORDS, # OR LAB USED. HALL 1) SAMPLE ID: SPC. TB @ 5' (95) SAMPLE ID: SOIL CALON: SAMPLE ID: SOIL CALON: SAMPLE ID: SOIL CALON: S | , | | | | | |
| ADVISIGNMENT OF CUSTODY RECORDS; # OR LAB USED HALL SAMPLE ID SPC - TB @ 5' (95) SAMPEDRE 05/17/16 SAMPETRE 1040 UBANAYSS 8015B/8021B/300.0 (CI) NA ANAPPERIO SPC - TB @ 5' (95) SAMPEDRE 05/17/16 SAMPETRE 1040 UBANAYSS 8015B/8021B/300.0 (CI) NA ASAMPLE ID SAMPEDRE SAMPETRE 105AMVISS SOIL DESCRIPTION: SOILTYPE SAND SILTY SAND SILTY SAND SOIL OCCUPANT PLASTIC COMPANY SAND SOIL CAP (CLAY / GRAVEL OTHER) BEDROCK (SANDSTONE) PASTICITY CLAY / GRAVEL OTHER SIDES / LABANCISS SOIL DESCRIPTION: SOILTYPE SAND SILTY SA | | | | | | |
| SAMPLEIDS DATA: CHAN OF CUSTODY RECORD(S) # OR LAB USED. HALL 1) SAMPLEID: SPC-TB @ 5' (95) SAMPLEIDR: SAMPLEIDR: URANUTUSE 3) SAMPLEID: SAMPLEIDR: SAMPLEIDR: URANUTUSE 3) SAMPLEIDR: SAMPLEIDR: SAMPLEIDR: URANUTUSE 5) SAMPLEIDR: SAMPLEIDR: URANUTUSE 5) SAMPLEIDR: SAMPLEIDR: URANUTUSE 5) SAMPLEIDR: SAMPLEIDRE: URANUTUSES 5) SAMPLEIDR: SAMPLEIDR: URANUTUSES 5) SAMPLEIDR: URANUTUSES 5) SAMPLEIDRICH: URANUTUSES 5) SAMPLEIDR: URANUTUSES 5) SAMPLEIDR: URANUTUSES 6) SUICHTURINGEN MOST WEIT SATURATED (SUPER ATUTION) 6) SUICHTURINGEN OR CORRECT (SAMPLE) SAMPLEIDRICH CORRECTED (SAMPLE) SOURCE | · · | | | | | |
| 1) SAMPLEID 5PC-TB @ 5 (95) SURFLEDINE OS/17/16 SAMPLEIDE UB ANALYSS SOTIED SOULD COLOR OS SAMPLEIDE SAMPL | | | | | | OVM |
| 2) SAMPLE ID: SAM | | | | 801 | 5B/8021B/300.0 (CI) | (ppm) |
| SOIL DESCRIPTION: SOILTYSAND SULTY SAND SILTY SAND SULTY PLASTIC COHESIVE FUND SULTY SULTY SULTY SULTY SULTY SULTY SULTY PLASTIC COHESIVE FUND SULTY SULTY SULTY SULTY SULTY SULTY SULTY PLASTIC COHESIVE FUND SULTY SULTY SULTY SULTY SULTY SULTY SULTY PLASTIC COHESIVE FUND SULTY SULTY SULTY SULTY SULTY SULTY SULTY PLASTIC COHESIVE FUND SULTY SULTY SULTY SULTY SULTY SULTY SULTY PLASTIC COHESIVE FUND SULTY SULTY SULTY SULTY SULTY SULTY SULTY PLASTIC COHESIVE FUND SULTY SULTY SULTY SULTY SULTY SULTY SULTY PLASTIC COHESIVE FUND SULTY SULTY SULTY SULTY SULTY SULTY SULTY PLASTIC COHESIVE FUND SULTY SULTY SULTY SULTY SULTY SULTY SULTY PLASTIC COHESIVE FUND SULTY | | • • • | | | | IVA |
| A) SAMPLETIC: SMILTYPE: SAND SILTY SILTY CLAY / CLAY / GRAVEL OTHER BEDROCK (SANDSTONE) SOIL COLOR: MODERATE BROWN TO OLIVE GRAY PASTICTY CLAYS: NON PLASTIC: SUBGRIX PLASTIC / COPESNE / MEDIUM PLASTIC / ME | | | | | | |
| SOIL DESCRIPTION: SOIL TYPE SAND SILTY SAND SAND SILTY SAND SAND SAND SAND SAND SAND SAND SAND | | | | | | |
| SOIL COLOR MODERATE BROWN TO QUIVE GRAY COMESION (ALL OTHERS) NONCOMESSIVE SUBSTITIVE COMESSIVE COMESSIVE MODERATE BROWN TO COMESSIVE MODERATE BROWN TO COMESSIVE MODERATE BROWN TO COMESSIVE MODERATE BROWN TO COMESSIVE MODERATE MODERAT | | | | | | |
| COMESION (ALL OTHERS) NON COMESIVE SUIGHTLY COMESIVE (NOR COMESIVE SOLIS). LOOSE (FIRM) DENSE (NERV DENSE) CONSISTENCY (NON COMESIVE SOLIS). LOOSE (FIRM) DENSE (NERV DENSE) MICROSTRINE (NS GUEHTLY MOST MOST LYMET SATURATED SUPER SATURATED SAMPLE TYPE: GRAB (COMPOSITE) # OF PTS | | | | | | HOLINA DI AOTIO |
| CONSTENCY (NON COHESIVE SOILS); LOOSE (FIRM) DENSE (VERY DENSE MOISTIVECT (SATURATED) SUPPR SATURATED (SUPPR SATURATED) SUPPR SATURATED (SUPPR SATURATED) SUPPR SATURATED (SUPPR SATURATED) SUPPRISON (STATURATED) SUPPRISON (SUPPRISON OF TIME STATURATED) SUPPRISON (SUPPRISON OF SAMPLE TYPE (STAB) (COMPOSITE) # 00 EXPLANATION— SITE OBSERVATIONS: UST INTEGRITY OF EQUIPMENT: YES NO! EXPLANATION— SOLICATION SUPPRISON (STATURATED) SUPPRISON OF EQUIPMENT: YES NO! EXPLANATION— SOLICATION SUPPRISON (STATURATED) SUPPRISON OF EQUIPMENT: YES NO! EXPLANATION— SOLICATION SUPPRISON OF SAMPLE COLLARS OBSERVED AND OR OCCURRED: YES NO! EXPLANATION— OTHER BEDROCK ENCOUNTERED © 5.5 FT. BELOW GRADE. SANDSTONE—OLIVE GRAY IN COLOR. OCD & BLM REPS ON-SITE TO WITNESS SAMPLE COLLECTION. SOLI IMPACT DIMENSION ESTIMATION: NA n. X NA n. X NA n. EXCAVATION ESTIMATION (Cubic Yards): NA DEPTH TO GROUNDWATER: 100° NEAREST WATER SOURCE >1,000° NEAREST SURFACE WATER <1,000° NMCOLT THE CLOSURE STD. 1,000 ppm SITE SKETCH BGT Located: off On site PLOT PLAN circle: attached OM/CAUB (RED. = NA ppm NF = 0,000 MID: VHIXONEVB2 PJ #: PBGTL. T.B 630 VID: VHIXONEVB2 PJ #: PD = pmmit date(s): ? OCD Appr. date(s): ? Tank OW/GADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE B - BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRESSON B.G = BELOW GRADE TANK ED = EXCAVATION EPPRES | | | | | | |
| SAMPLE TYPE: GRAB COMPOSITE! # OF PTS. 5 ANYAREAS DISPLAYING WETNESS: YES NO EXPLANATION- DISCOLORATIONSTAINING OBSERVED. YES NO EXPLANATION- SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION- APPARENT EVIDENCE OF A RELEASE OBSERVED ANDIOR OCCURRED: YES NO EXPLANATION- COULPMENT SET OVER RECLAIMED AREA: YES NO EXPLANATION- OTHER BEDROCK ENCOUNTERED @ 5.5 FT. BELOW GRADE. SANDSTONE - OLIVE GRAY IN COLOR. OCD & BLM REPS ON-SITE TO WITNESS SAMPLE COLLECTION. SOIL IMPACT DIMENSION ESTIMATION: NA ft. X NA ft. X NA ft. EXCAVATION ESTIMATION (Cubic Yards): NA DEPTH TO GROUNDWATER >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: <1,000' NMOCD TPH CLOSURE STD: 1,000 ppm SITE SKETCH BGT Located: off on site PLOT PLAN circle: attached WH. | CONSISTENCY (NON COHESIVE SOILS): LC | OOSE (FIRM) DENSE (VERY DENSE | | | | |
| DISCOLORATIONSTAINING OBSERVED. YES NO EXPLANATION- SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION- APPARENT EVIDENCE OF A RELEASE OBSERVED ANDIOR OCCURRED: YES NO EXPLANATION. OTHER BEDROCK ENCOUNTERED @ 5.5 FT. BELOW GRADE. SANDSTONE - OLIVE GRAY IN COLOR. OCD & BLM REPS ON-SITE TO WITNESS SAMPLE COLLECTION. SOIL IMPACT DIMENSION ESTIMATION: NA ft. X NA ft. X NA ft. EXCAVATION ESTIMATION (Cubic Yards): NA DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SUBFACE WATER: <1,000' NMOCD TPH CLOSURE STD. 1,000 ppm SITE SKETCH BGT Located: off on site PLOT PLAN circle: attached OMICALIB READ: NA ppm RF=0,52 OMICALIB READ: NA ppm Pm RF=0,52 OMICALIB READ: NA ppm RF=0,52 OMICALIB READ: NA ppm Pm RF=0,52 OMICALIB READ: NA ppm RF=0,52 OMICALIB READ: NA ppm RF=0,52 OMICALIB READ: NA ppm Pm RF=0,52 OMICALIB READ: NA ppm Pm RF=0,52 OMICALIB READ: NA ppm RF=0,52 OMICALIB READ | | | | _ | | |
| SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION: APPARENT EVIDENCE OF A RELEASE OBSERVED ANDIOR OCCURRED: YES NO EXPLANATION: EQUIPMENT SET OVER RECLAIMED AREA: YES NO EXPLANATION: OTHER BEDROCK ENCOUNTERED @ 5.5 FT. BELOW GRADE. SANDSTONE - OLIVE GRAY IN COLOR. OCD & BLM REPS ON-SITE TO WITNESS SAMPLE COLLECTION. SOIL IMPACT DIMENSION ESTIMATION: NA ft. X NA ft. | | | ANY AREAS DISPLAYING WETNESS: YES | NO EXPLAN | NATION - | |
| APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES NO EXPLANATION: EQUIPMENT SET OVER RECLAMED AREA: YES NO EXPLANATION: OTHER BEDROCK ENCOUNTERD @ 5.5 FT. BELOW GRADE. SAMPLE COLLECTION. SOIL IMPACT DIMENSION ESTIMATION: NA ft. X NA ft. EXCAVATION ESTIMATION (Cubic Yards): NA DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: <1,000' NMOCD THE CLOSURE STD: 1,000 ppm SITE SKETCH BGT Located: off on site PLOT PLAN circle: attached OWN CALIB. READ: NA ppm RF=0.52 WO: REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CALIB. GAS: NA ppm RF=0.52 OCO Appr. date(s): ? Tank OVM CONTESSOR SEPARATOR WH. DETERMINED TO THE CONTESSOR SEPARATOR WH. DETERMINED TO THE CLOSURE STD: 1,000 ppm RF=0.52 OVM CALIB. GAS: NA ppm RF=0.52 OCO Appr. date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR REF #: P - 630 VID: VHIXONEVB2 PJ #: PERMIT date(s): ? Tank OVM CONTESSOR R | | | YES NO EXPLANATION - | | | |
| OTHER BEDROCK ENCOUNTERED @ 5.5 FT. BELOW GRADE. SANDSTONE - OLIVE GRAY IN COLOR. OCD & BLM REPS ON-SITE TO WITNESS SAMPLE COLLECTION. SOIL IMPACT DIMENSION ESTIMATION: NA ft. X NA ft. EXCAVATION ESTIMATION (Cubic Yards): NA DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: <1,000' NMOCD TPH CLOSURE STD: 1,000 ppm SITE SKETCH BGT Located: off on site PLOT PLAN circle: attached WH. | APPARENT EVIDENCE OF A RELEASE OBSERVE | ED AND/OR OCCURRED : YES NO EXPL | | | | |
| SAMPLE COLLECTION. SOIL IMPACT DIMENSION ESTIMATION: NA ft. X NA ft. X NA ft. EXCAVATION ESTIMATION (Cubic Yards): NA DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: <1,000' NMOCD THY CLOSURE STD: 1,000 ppm SITE SKETCH BGT Located: off on site PLOT PLAN circle: attached OMCALIB. READ. = NA ppm RF=0.52 OMCALIB. READ. = NA p | EQUIPMENT SET OVER RECLAIMED AREA: | YES NO EXPLANATION - | ONE OF INCOLOR OC | O DI M DE | EDE ON SITE TO WITHE | 20 |
| SITE SKETCH BGT Located: off on site PLOT PLAN circle: attached NOMCAUB.READ. NA ppm RF=0.52 OMCAUB.READ. NA ppm NA pp | | 5.5 FT. BELOW GRADE. SANDST | ONE - OLIVE GRAF IN COLOR. OCL | O & DLIVI KE | EPS ON-SITE TO WITNES | 10 |
| SITE SKETCH BGT Located: off on site PLOT PLAN circle: attached OMICALIB.READ. = NA ppm RF = 0.52 OMICA.REF. = NA ppm RF = 0.52 OMICA.REF. = NA ppm RF = 0.52 OMICA.REF. = NA ppm RF = 0. | | | | | , | |
| ABOVE-GRADE PIPING SEPARATOR W.H. PBGTL T.B. ~ 5' B.G. NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW-GRADE; B = BELOW, T.H. = TEST HOLE; ~= APPROX; W.H. = WELL HEAD, T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA-NOT APPLICABLE OR NOT AVAILABLE; SWSINGLE WALL; DWDOUBLE WALL; SBSINGLE BOTTOM; DBDOUBLE BOTTOM; DB. | | | | O' NMOC | DD TPH CLOSURE STD: | 1,000 ppm |
| SEPARATOR W.H. COMPRESSOR PBGTL T.B. ~ 5' B.G. NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW-GRADE; B = BELOW, T.H. = TEST HOLE; ~ = APPROX; W.H. = WELL HEAD; ABOVE-GRADE PBGTL T.B. ~ 5' B.G. NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW-GRADE; B = BELOW, T.H. = TEST HOLE; ~ = APPROX; W.H. = WELL HEAD; APPLICABLE OR NOT AVAILABLE; SW. SINGLE WALL; DW. DOUBLE WALL; SB. SINGLE BOTTOM, DB. DOUBLE BOTTOM. NA MISCELL. NOTES WO: REF #: P - 630 VID: VHIXONEVB2 PJ #: Permit date(s): ? OCD Appr. date(s): ? Tank O'VM = Organic Vapor Meter ID ppm = parts per million A BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E | SITE SKETCH | BGT Located: off on sit | e PLOT PLAN circle: atta | ched | CALIB. READ. = NA | _ppm RF =0.52 |
| ABOVE-GRADE PIPING PBGTL T.B. ~ 5' B.G. NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW, T.H. = TEST HOLE; ~ = APPROX; W.H. = WELL HEAD; APPLICABLE OR NOT AVAILABLE; SW-SINGLE WALL; DW-DOUBLE WALL; SB-SINGLE BOTTOM, DB-DOUBLE BOTTOM. MISCELL. NOTES WO: REF #: P - 630 VID: VHIXONEVB2 PJ #: Permit date(s): ? OCD Appr. date(s): ? Tank OVM = Organic Vapor Meter D ppm = parts per million A BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E | | | | ♦ OVM | CALIB. GAS = NA | _ppm |
| ABOVE-GRADE PIPING PBGTL T.B. ~ 5' B.G. NOTES: BGT = BELOW-GRADE TANK, E.D. = EXCAVATION DEPRESSION, B.G. = BELOW-GRADE; B = BELOW, T.H. = TEST HOLE; ~= APPROX.; W.H. = WELL HEAD; APPLICABLE OR NOT AVAILABLE; SW. SINGLE WALL; DW. DOUBLE WALL; SB. SINGLE BOTTOM, DB. DOUBLE BOTTOM. MISCELL. NOTES WO: REF #: P - 630 VID: VHIXONEVB2 PJ #: Permit date(s): ? OCD Appr. date(s): ? OCD Appr. date(s): ? OCD Appr. date(s): ? MISCELL. NOTES WO: REF #: P - 630 VID: VHIXONEVB2 PJ #: Permit date(s): ? OCD Appr. date(s): ? MEGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E | | SEDADATOD | | TIME | : NA am/pm DATE: | NA |
| ABOVE-GRADE PIPING PBGTL T.B. ~ 5' B.G. PETAINK DOTTOM; PBGTL = PREVIOUS BELOW-GRADE; B = BELOW, T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW- SINGLE WALL; DW- DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM. WO: REF #: P - 630 VID: VHIXONEVB2 PJ #: Permit date(s): ? OCD Appr. date(s): ? Tank OVM = Organic Vapor Meter ID ppm = parts per million A BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E | | | | _'┌ | MISCELL. NO | OTES |
| ABOVE-GRADE PIPING PBGTL T.B. ~ 5' B.G. PPI': Permit date(s): OCD Appr. date(s): Pomit date(s): Pomit date(s): Pomit date(s): Pomit date(s): Permit date(s): Pomit d | ľ | v.n. | | W | VO: | |
| PBGTL T.B. ~ 5' B.G. PBGTL T.B. ~ 5' B.G. PBGTL T.B. ~ 5' B.G. PPBGTL Tank OVM = Organic Vapor Meter ppm = parts per million A BGT Sidewalls Visible: Y / N Magnetic declination: 10° E | ABOVE-GRADE | | COMPRESSOR | R | | |
| BERM T.B. ~ 5' B.G. Permit date(s): ? OCD Appr. date(s): ? OCD Appr. date(s): ? OCD Appr. date(s): ? Tank OVM = Organic Vapor Meter physical point of the physical physi | | | | _ | | 2 |
| B.G. B.G. CDD Appr. date(s): 7 | FI | | | | _ | |
| NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW; T.H. = TEST HOLE; ~= APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA-NOT APPLICABLE OR NOT AVAILABLE; SW-SINGLE WALL; DW-DOUBLE WALL; SB-SINGLE BOTTOM; DB-DOUBLE BOTTOM. DVM = Organic Vapor Meter ID | l , | | | 1 - | | |
| NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW, T.H. = TEST HOLE; ~= APPROX; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM. A BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E | | SERVIN | | Tar | nk OVM = Organic Vapor | |
| NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW, T.H. = TEST HOLE; ~= APPROX; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM. BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N Magnetic declination: 10° E | | | | | | |
| NOTES: BGT = BELOW-GRADE TANK; E.D. = EXCAVATION DEPRESSION; B.G. = BELOW GRADE; B = BELOW, T.H. = TEST HOLE; ~ = APPROX.; W.H. = WELL HEAD; T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM. BGT Sidewalls Visible: Y / N Magnetic declination: 10° E | | | v e | | | |
| T.B. = TANK BOTTOM; PBGTL = PREVIOUS BELOW-GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA - NOT APPLICABLE OR NOT AVAILABLE; SW - SINGLE WALL; DW - DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM. Magnetic declination: 10° E | NOTES: BGT = BELOW-GRADE TANK: F.D. = FXCAVATIO | ON DEPRESSION: B.G. = BELOW GRADE: B = B | | | BGT Sidewalls Visible: Y | / N |
| APPEIGABLE ON NOT AVAILABLE; 5W - SINGLE WALL, DW - DOUBLE WALL, SB - SINGLE BOTTOM, DB - DOUBLE BOTTOM. | T.B. = TANK BOTTOM; PBGTL = PREVIOUS BEL | OW-GRADE TANK LOCATION; SPD = SAMPLE F | POINT DESIGNATION; R.W. = RETAINING WALL; NA- | | lagnetic declination: | 10 °E |
| | | | | | | |

Analytical Report

Lab Order 1605792

Date Reported: 5/19/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

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

Project: GCU 347

Collection Date: 5/17/2016 10:40:00 AM

Lab ID:

1605792-001

Matrix: MEOH (SOIL)

Received Date: 5/18/2016 7:25:00 AM

| Analyses | Result | PQL Qua | l Units | DF | Date Analyzed | Batch |
|----------------------------------|------------|---------|---------|----|-----------------------|--------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | LGT |
| Chloride | 780 | 30 | mg/Kg | 20 | 5/18/2016 11:15:22 AM | 25381 |
| EPA METHOD 8015M/D: DIESEL RANGI | E ORGANICS | | | | Analyst | KJH |
| Diesel Range Organics (DRO) | ND | 9.4 | mg/Kg | 1 | 5/18/2016 10:19:51 AM | 25376 |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 5/18/2016 10:19:51 AM | 25376 |
| Surr: DNOP | 85.0 | 70-130 | %Rec | 1 | 5/18/2016 10:19:51 AM | 25376 |
| EPA METHOD 8015D: GASOLINE RANG | SE . | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 5/18/2016 10:20:51 AM | R34327 |
| Surr: BFB | 117 | 80-120 | %Rec | 1 | 5/18/2016 10:20:51 AM | R34327 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB |
| Benzene | ND | 0.024 | mg/Kg | 1 | 5/18/2016 10:20:51 AM | A34327 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 5/18/2016 10:20:51 AM | A34327 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 5/18/2016 10:20:51 AM | A34327 |
| Xylenes, Total | ND | 0.095 | mg/Kg | 1 | 5/18/2016 10:20:51 AM | A34327 |
| Surr: 4-Bromofluorobenzene | 108 | 80-120 | %Rec | 1 | 5/18/2016 10:20:51 AM | A34327 |

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

1605792

19-May-16

Client:

Blagg Engineering

Project:

GCU 347

Sample ID MB-25381

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 25381

RunNo: 34348

SeqNo: 1058949

SPK value SPK Ref Val %REC LowLimit

Units: mg/Kg

HighLimit

RPDLimit %RPD

Qual

Analyte Chloride

Analysis Date: 5/18/2016 PQL

PQL

1.5

Result

ND

1.5

TestCode: EPA Method 300.0: Anions

Sample ID LCS-25381

Prep Date: 5/18/2016

Client ID: LCSS

SampType: Ics Batch ID: 25381

RunNo: 34348

Prep Date: 5/18/2016

SeqNo: 1058950

Units: mg/Kg

Analyte

Analysis Date: 5/18/2016

Result

SPK value SPK Ref Val 0

%REC 93.6

LowLimit

HighLimit

%RPD **RPDLimit** Qual

Chloride

15.00

14

90

110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- H Holding times for preparation or analysis exceeded

% Recovery outside of range due to dilution or matrix

- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

- В
- Analyte detected in the associated Method Blank
 - E Value above quantitation range
 - J Analyte detected below quantitation limits
 - P Sample pH Not In Range
- RL Reporting Detection Limit Sample container temperature is out of limit as specified

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#:

1605792

19-May-16

Client:

Blagg Engineering

| Project: GCU 34 | 7 | | | | | | | | |
|---------------------------------|------------------------|----------|-----------|-----------|------------|--------------|-----------|------------|------|
| | | | | | | | | | |
| Sample ID LCS-25376 | SampType: LCS | | | | | 8015M/D: Die | esel Rang | e Organics | |
| Client ID: LCSS | Batch ID: 25376 | | | RunNo: 34 | | | | | |
| Prep Date: 5/18/2016 | Analysis Date: 5/18/20 | 16 | 8 | SeqNo: 1 | 057969 | Units: mg/K | g | | |
| Analyte | Result PQL SPI | value SF | K Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 46 10 | 50.00 | 0 | 92.6 | 62.6 | 124 | | | |
| Surr: DNOP | 4.7 | 5.000 | | 94.9 | 70 | 130 | | | |
| Sample ID MB-25376 | SampType: MBLK | | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Rang | e Organics | |
| Client ID: PBS | Batch ID: 25376 | | F | RunNo: 34 | 4312 | | | | |
| Prep Date: 5/18/2016 | Analysis Date: 5/18/20 | 16 | S | SeqNo: 10 | 057971 | Units: mg/K | g | | |
| Analyte | Result PQL SPH | value SP | K 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 | | 95.7 | 70 | 130 | | | |
| Sample ID 1605792-001AMS | SampType: MS | | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Rang | e Organics | |
| Client ID: 5PC-TB@5' (95) | Batch ID: 25376 | | R | RunNo: 34 | 1312 | | | | |
| Prep Date: 5/18/2016 | Analysis Date: 5/18/20 | 16 | S | SeqNo: 10 | 058180 | Units: mg/K | g | | |
| Analyte | Result PQL SPH | value SP | K Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 43 9.6 | 47.89 | 8.838 | 71.6 | 33.9 | 141 | | | |
| Surr: DNOP | 4.4 | 4.789 | | 91.9 | 70 | 130 | | | |
| Sample ID 1605792-001AMS | D SampType: MSD | | Test | tCode: EF | A Method | 8015M/D: Die | sel Range | e Organics | |
| Client ID: 5PC-TB@5' (95) | Batch ID: 25376 | | R | RunNo: 34 | 1312 | | | | |
| Prep Date: 5/18/2016 | Analysis Date: 5/18/20 | 16 | S | SeqNo: 10 |)58181 | Units: mg/K | g | | |
| Analyte | Result PQL SPK | value SP | K Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 68 10 | 49.75 | 8.838 | 120 | 33.9 | 141 | 45.4 | 20 | R |
| Surr: DNOP | 5.1 | 4.975 | | 103 | 70 | 130 | 0 | 0 | |
| Sample ID LCS-25321 | SampType: LCS | | Test | Code: EF | A Method | 8015M/D: Die | sel Range | e Organics | |
| Client ID: LCSS | Batch ID: 25321 | | | RunNo: 34 | | | | | |
| Prep Date: 5/16/2016 | Analysis Date: 5/18/20 | 16 | | SeqNo: 10 | | Units: %Rec | ; | | |
| Analyte | Result PQL SPK | value SP | K Ref Val | %REC | I owl imit | Highl imit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 4.4 | 5.000 | TCTCT Val | 88.6 | 70 | 130 | 70111111 | NI DEIIII | Quai |
| Sample ID LCS-25322 | SampType: LCS | | Test | Code: EF | A Method | 8015M/D: Die | sel Range | e Organics | |
| Client ID: LCSS | Batch ID: 25322 | | | unNo: 34 | | | | | |
| Prep Date: 5/16/2016 | Analysis Date: 5/18/20 | 16 | | SeqNo: 10 | | Units: %Red | : | | |
| Analyte | | | | | | | | RPDLimit | Ougl |
| Milalyte | Result PQL SPK | value SP | K Ref Val | MREC | LOWLITTII | HighLimit | %RPD | KPULIMIT | Qual |

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 3 of 6

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#:

1605792

19-May-16

Client:

Blagg Engineering

Project:

GCU 347

Sample ID LCS-25322

SampType: LCS

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID:

LCSS

Batch ID: 25322

PQL

RunNo: 34313

Prep Date: 5/16/2016

Analysis Date: 5/18/2016

SeqNo: 1058337

Units: %Rec

Analyte

Result

Result

9.1

SPK value SPK Ref Val %REC

Qual

Surr: DNOP

4.1

5.000

82.7

HighLimit 130 **RPDLimit**

Sample ID MB-25321

SampType: MBLK

TestCode: EPA Method 8015M/D: Diesel Range Organics

70

I owl imit

LowLimit

Client ID: Prep Date:

PBS

Batch ID: 25321

RunNo: 34313

Units: %Rec

HighLimit

130

Qual

Analyte

5/16/2016

Analysis Date: 5/18/2016 PQL

SeqNo: 1058338

%RPD

%RPD

RPDLimit

Surr: DNOP

SampType: MBLK

PQL

SPK value SPK Ref Val

10.00

91.0

%REC

TestCode: EPA Method 8015M/D: Diesel Range Organics

5/16/2016

Client ID: PBS

Sample ID MB-25322

Batch ID: 25322 Analysis Date:

5/18/2016

RunNo: 34313 SeqNo: 1058339

70

Units: %Rec

RPDLimit

Qual

Analyte Surr: DNOP

Prep Date:

Result 9.5 SPK value SPK Ref Val 10.00

%REC 95.1

LowLimit

HighLimit 130 %RPD

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit ND

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix В Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 4 of 6

P Sample pH Not In Range

Reporting Detection Limit Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1605792

19-May-16

Client:

Blagg Engineering

Project:

GCU 347

| Sample ID 5ML RB | SampT | /pe: ME | BLK | Test | Code: El | PA Method | 8015D: Gaso | line Rang | е | |
|-------------------------------|------------|----------------|-----------|-------------|----------|-----------|-------------|-----------|----------|------|
| Client ID: PBS | Batch | ID: R3 | 4327 | R | tunNo: 3 | 4327 | | | | |
| Prep Date: | Analysis D | ate: 5/ | 18/2016 | S | SeqNo: 1 | 058588 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 1100 | | 1000 | | 107 | 80 | 120 | | | |

| Sample ID | 2.5UG GRO LCSB | SampTy | pe: LC | S | Test | tCode: El | PA Method | 8015D: Gaso | oline Rang | е | |
|----------------|----------------|-------------|---------|-----------|-------------|-----------|-----------|-------------|------------|-----------------|------|
| Client ID: | LCSS | Batch | ID: R3 | 4327 | R | RunNo: 3 | 4327 | | | | |
| Prep Date: | | Analysis Da | ite: 5/ | 18/2016 | S | SeqNo: 1 | 058589 | Units: mg/k | (g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range | Organics (GRO) | 24 | 5.0 | 25.00 | 0 | 96.1 | 80 | 120 | | | |
| Surr: BFB | | 1200 | | 1000 | | 116 | 80 | 120 | | | |

| Sample ID 1 | 1605792-001AMS | SampT | /pe: MS | 3 | Test | Code: El | PA Method | 8015D: Gaso | line Rang | е | |
|----------------|----------------|-------------|---------|-----------|-------------|----------|-----------|-------------|-----------|-----------------|------|
| Client ID: 5 | 5PC-TB@5' (95) | Batch | ID: R3 | 4327 | R | RunNo: 3 | 4327 | | | | |
| Prep Date: | | Analysis Da | ate: 5/ | 18/2016 | S | SeqNo: 1 | 058590 | Units: mg/K | (g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range | Organics (GRO) | 21 | 4.8 | 23.86 | 0 | 90.1 | 59.3 | 143 | | | |
| Surr BFB | | 1100 | | 954.2 | | 118 | 80 | 120 | | | |

| Sample ID | 1605792-001AMSD | SampTyp | e: MS | SD | Test | Code: El | PA Method | 8015D: Gaso | line Rang | е | |
|----------------|------------------|--------------|--------------|-----------|-------------|-----------|-----------|-------------|-----------|----------|------|
| Client ID: | 5PC-TB@5' (95) | Batch I | D: R3 | 4327 | R | tunNo: 34 | 4327 | | | | |
| Prep Date: | | Analysis Dat | e: 5/ | 18/2016 | S | SeqNo: 1 | 058591 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range | e Organics (GRO) | 22 | 4.8 | 23.86 | 0 | 91.5 | 59.3 | 143 | 1.54 | 20 | |
| Surr RER | | 1100 | | 954 2 | | 116 | 80 | 120 | 0 | 0 | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 5 of 6

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#:

1605792

19-May-16

Client:

Blagg Engineering

Project:

GCU 347

| Sample ID 5ML RB | SampT | ype: ME | BLK | Test | Code: El | PA Method | 8021B: Volat | tiles | | |
|----------------------------|------------|---------|-----------|-------------|----------|-----------|--------------|-------|----------|------|
| Client ID: PBS | Batch | ID: A3 | 4327 | R | tunNo: 3 | 4327 | | | | |
| Prep Date: | Analysis D | ate: 5/ | 18/2016 | S | eqNo: 1 | 058603 | Units: mg/K | g | | |
| 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 | 1.1 | | 1.000 | | 111 | 80 | 120 | | | |

| Sample ID 100NG BTEX LC | Samp | Гуре: <mark>LC</mark> | s | TestCode: EPA Method 8021B: Volatiles | | | | | | |
|----------------------------|------------|-----------------------|-----------|---------------------------------------|----------|----------|-------------|------|----------|------|
| Client ID: LCSS | Batcl | h ID: A3 | 4327 | F | RunNo: 3 | 4327 | | | | |
| Prep Date: | Analysis [| Date: 5/ | 18/2016 | 8 | SeqNo: 1 | 058604 | Units: mg/k | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.0 | 0.025 | 1.000 | 0 | 101 | 75.3 | 123 | | | |
| Toluene | 1.0 | 0.050 | 1.000 | 0 | 102 | 80 | 124 | | | |
| Ethylbenzene | 0.98 | 0.050 | 1.000 | 0 | 97.9 | 82.8 | 121 | | | |
| Xylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 98.3 | 83.9 | 122 | | | |
| Surr: 4-Bromofluorobenzene | 1.2 | | 1.000 | | 119 | 80 | 120 | | | |

| Sample ID 1605793-001AM | SampT | уре: М | 3 | TestCode: EPA Method 8021B: Volatiles | | | | | | |
|----------------------------|------------|----------|-----------|---------------------------------------|----------|----------|-------------|------|----------|------|
| Client ID: BatchQC | Batch | n ID: A3 | 4327 | F | RunNo: 3 | 4327 | | | | |
| Prep Date: | Analysis D | Date: 5/ | 18/2016 | 8 | SeqNo: 1 | 058605 | Units: mg/k | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.85 | 0.021 | 0.8540 | 0 | 99.8 | 71.5 | 122 | | | |
| Toluene | 0.85 | 0.043 | 0.8540 | 0 | 99.5 | 71.2 | 123 | | | |
| Ethylbenzene | 0.83 | 0.043 | 0.8540 | 0 | 97.7 | 75.2 | 130 | | | |
| Xylenes, Total | 2.5 | 0.085 | 2.562 | 0.01488 | 97.1 | 72.4 | 131 | | | |
| Surr: 4-Bromofluorobenzene | 0.99 | | 0.8540 | | 116 | 80 | 120 | | | |

| Sample ID 1605793-001AMS | SD SampT | ype: MS | SD | Tes | tCode: El | PA Method | 8021B: Vola | tiles | | |
|----------------------------|------------|---------|-----------|-------------|-----------|-----------|-------------|-------|----------|------|
| Client ID: BatchQC | Batch | ID: A3 | 4327 | R | RunNo: 3 | 4327 | | | | |
| Prep Date: | Analysis D | ate: 5/ | 18/2016 | S | SeqNo: 1 | 058606 | Units: mg/k | ζg | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.87 | 0.021 | 0.8540 | 0 | 102 | 71.5 | 122 | 1.98 | 20 | |
| Toluene | 0.88 | 0.043 | 0.8540 | 0 | 103 | 71.2 | 123 | 3.29 | 20 | |
| Ethylbenzene | 0.85 | 0.043 | 0.8540 | 0 | 100 | 75.2 | 130 | 2.26 | 20 | |
| Xylenes, Total | 2.6 | 0.085 | 2.562 | 0.01488 | 99.8 | 72.4 | 131 | 2.75 | 20 | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 0.8540 | | 119 | 80 | 120 | 0 | 0 | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 6 of 6

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.halienvironmental.com

Sample Log-In Check List

| Client Name: BLAGG Work Order Numb | per: 1605792 | | RcptNo: | 1 |
|--|--------------|-------------|-----------------------------------|---------------------|
| Received by/date: 05/18/16 | | | | , |
| Logged By: Lindsay Mangin 5/18/2016 7:25:00 A | AM | July Alligo | | |
| Completed By: Lindsay Mangin 5/18/2016 7:48:46 A | AM | Andy Harry | | |
| Reviewed By: Q 45/10/16 | | 000 | | |
| Chain of Custody | | | | |
| Custody seals intact on sample bottles? | Yes 🗌 | No 🗌 | Not Present | |
| 2. Is Chain of Custody complete? | Yes 🗸 | No 🗌 | Not Present | |
| 3. How was the sample delivered? | Courier | | | |
| Log In | | | | |
| Was an attempt made to cool the samples? | Yes 🗹 | No 🗌 | NA 🗌 | |
| 5. Were all samples received at a temperature of >0° C to 6.0°C | Yes 🗹 | No 🗆 | NA 🗆 | |
| 6. Sample(s) in proper container(s)? | Yes 🔽 | No 🗆 | | |
| 7. Sufficient sample volume for indicated test(s)? | Yes 🗹 | No 🗆 | | |
| 8. Are samples (except VOA and ONG) properly preserved? | Yes 🗹 | No 🗆 | | |
| 9. Was preservative added to bottles? | Yes | No 🗸 | NA 🗌 | |
| 10.VOA vials have zero headspace? | Yes 🗌 | No 🗌 | No VOA Vials | |
| 11. Were any sample containers received broken? | Yes | No 🗸 | | |
| | Service . | | # of preserved bottles checked | |
| 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes 🗹 | No 🗔 | for pH: | or >12 unless noted |
| 13. Are matrices correctly identified on Chain of Custody? | Yes 🗸 | No 🗆 | Adjusted? | or TE GINOSS HOUSE |
| 14. Is it clear what analyses were requested? | Yes 🗹 | No 🗆 | | |
| 15. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes 🗹 | No 🗆 | Checked by: | |
| (ii ito, notify destorted for destorates | | | | |
| Special Handling (if applicable) | | | | |
| 16. Was client notified of all discrepancies with this order? | Yas | No 🗌 | NA V | |
| Person Notified: Date | | 1 | | |
| By Whom: Via: | eMail | Phone Fax | In Person | |
| Regarding: | | | | |
| Client Instructions: | | | | |
| 17. Additional remarks: | | | | |
| 18. Cooler Information | | | | |
| Cooler No Temp C Condition Seal Intact Seal No | Seal Date | Signed By | | |
| 1 1.6 Good Yes | | | | |

| Chain-of-Custody Record | | | Turn-Around | Time: | SAME | | | - | Н | AL | L | EN | VI | RO | NI | ME | N | ГА | L | | |
|--|------------------------|--------------------------|--|-------------------------|----------------------|---|--|---|---------------------------------|--------------------|--------------------|--------------|---------------------------------|-----------------|-------------|-----------------|----------------|----------|---------------|-----------------|----------------------|
| lient: BLAGG ENGR. / BP AMERICA | | / BP AMERICA | ☐ Standard | ☑ Rush _ | DAY | | | | | | | | | LA | | | | | | | |
| | | | | Project Name | | | | | | ٧ | vww | .hall | envi | ronn | nenta | ıl.cor | m | | | | |
| Nailing Address: P.O. BOX 87 | | 1 | GCU #34 | 17 | | 49 | 01 H | awkii | ns N | E - / | Albud | quer | que, | NM 8 | 8710 | 19 | | | | | |
| BLOOMFIELD, NM 87413 hone #: (505) 632-1199 | | | Project #: | | | Tel. 505-345-3975 Fax 505-345-4107 | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | An | alys | is R | eque | st | | | | | 39 | |
| mail or f | mail or Fax#: | | | Project Manager: | | | SO ₄) | | | | | | | | | | | | | | |
| tA/QC Package: ☑ Standard ☐ Level 4 (Full Validation) | | NELSON VELEZ | | | (8021B) | + MTBE + TPH (Gas only) | / MRO) | | | (5) | 8 | PCR's | | | water - 300 | | | a | | | |
| ccreditation: | | Sampler: NELSON VELEZ NY | | | * | (63 | | 1 | 1 | 8270SIMS) | d | /8087 | | | - | | | sample | | | |
| NELAP Other | | On Ice: ✓ Yes □ No | | | # | TPH | 1/0 | 418 | 504 | 827 | 5 6 | 100 | | (AC | 300.0 | | | e s | or N | | |
| EDD (Type) | | Sample Temperature: | | 1 | BE + | (GR | pou | pou | 10 | etal Cl N | icide | (K) | j-V | | | ble | Socia | SIY | | | |
| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL NO. 1100570 | BTEX +-N# | BTEX + MT | TPH 80158 (GRO / DRO | TPH (Method 418.1) | EDB (Method 504.1) | PAH (8310 or | Anions (F.C.I. NO. NO. 60. 50.) | 8081 Pacticidas | 8260B (VOA) | 8270 (Semi-VOA) | Chloride (soil | | Grab sample | 5 pt. composite | Air Bubbles (Y or N) |
| 5/17/16 | 1040 | SOIL | 5PC-TB@ 5 '(95) | 4 oz 1 | Cool | -001 | ٧ | | ٧ | | | | | | | | V | | | ٧ | |
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| ate; | Time: | Relinquishe | od by: | Received by: | | Date Time | Remarks: BILL DIRECTLY T | | LY TO BP USING THE CIRCLED CONT | | | | | | ITACT WITH | | | | | | |
| 5/17/16 | 2000 | -11 | | 12 12 1 5/pl 3 20 | | | CORRESPONDING VID & REFERENCE # WHEN APPLICABLE; | | | | | | | | | | | | | | |
| ate: | Time: Relinquished by: | | | Received by: Date Time | | | | Vance Hixon Steve Moskal John Ritchie VID: VHIXONEVB2 VMOS6HQFEC VRITCJWFEC | | | | | | | | | | | | | |
| 17/10 | 7027 | samples subr | milted to Hall Environmental may be su | bcontracted to other | | 8/16 0725 es. This serves as notice of | | eren possit | | | ontr | _ | lata wi | li be ci | early n | otated | on the | analyt | ical re | port | |



