

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

State of New Mexico
Energy Minerals and Natural Resources

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

OIL CONS. DIV DIST. 3

Form C-141
FEB 22 2016 Revised August 8, 2011

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

Release Notification and Corrective Action

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: Valentine GC 1A	Facility Type: Natural gas well	
Surface Owner: Fee	Mineral Owner: Fee	API No. 3004521881

LOCATION OF RELEASE

Unit Letter D	Section 32	Township 32N	Range 10W	Feet from the 1,180	North/South Line North	Feet from the 795	East/West Line West	County: San Juan
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Latitude 36.946056 Longitude -107.911940

NATURE OF RELEASE



Type of Release: condensate/oil/water	Volume of Release: unknown	Volume Recovered: N/A
Source of Release: below grade tank - 21 bbl	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: January 26, 2016; 11:00 AM
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* Sampling of the soil beneath the BGT was done during removal. Soil analysis resulted for BTEX and chloride below standards. However, laboratory results for TPH via Method 8015 extended were 10,400 ppm. The area was excavated and contaminants removed from the site. Field reports and laboratory results are attached.

Describe Area Affected and Cleanup Action Taken.* The impacts found surrounding and below the BGT were excavated and transported off site for landfarming. Approximately 95 cubic yards were removed from the site. Final laboratory analysis supported closure of the BGT location.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Steve Moskal		Approved by Environmental Specialist: 	
Title: Field Environmental Coordinator		Approval Date: 02/23/2016	Expiration Date:
E-mail Address: steven.moskal@bp.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: February 19, 2016 Phone: 505-326-9497			

* Attach Additional Sheets If Necessary

NJF11603356354

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BP AMERICA PRODUCTION COMPANY

REMEDIATION OF IMPACTS ASSOCIATED WITH 21 BARREL BELOW-GRADE TANK

VALENTINE GC 001A

API #: 30-045-21881

Legal Description: (Unit Letter D, Sec. 32 -T32N -R10W, NMPM)

CHRONOLOGICAL EVENT SUMMATION

1. **January 26, 2016:** Impacted soils discovered during confirmation sampling of 21 barrel below-grade tank. Preliminary investigation conducted with the advancement of four (4) test holes (see Field Report - page 1 of 3 for locations).
2. **January 29, 2016:** Remediation via excavation initiated. New Mexico Oil Conservation Division (NMOCD) representative from the District III Aztec office was present during the sample collection (see Field Report - page 2 of 3).
3. **February 02, 2016:** Subsequent sampling of expanded southwest sidewall conducted (see Field Report - page 3 of 3).
4. **February 10, 2016:** Final excavation measurements (in feet) approximately 15 x 15 x 9.5 average depth below grade. Total volume transported to JFJ Landfarm = 95 cubic yards (Form C-138 attached).

CLIENT:

BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

API #: 3004521881

TANK ID
(if applicable): B

FIELD REPORT:

(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:

PAGE #: 1 of 3

SITE INFORMATION:

SITE NAME: VALENTINE GC # 1A

QUAD/UNIT: D SEC: 32 TWP: 32N RNG: 10W PM: NM CNTY: SJ ST: NM

1/4 - 1/4 FOOTAGE: 1,180'N / 795'W NW/NW LEASE TYPE: FEDERAL / STATE / FEE / INDIAN

LEASE #: - PROD. FORMATION: MV CONTRACTOR: STRIKE MBF - S. GLYNN

DATE STARTED: 01/26/16

DATE FINISHED:

ENVIRONMENTAL
SPECIALIST(S): NJV

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.: 36.94558 X 107.91226

GL ELEV.: 6,104'

1) 21 BGT (SW/SB) GPS COORD.: 36.946056 X 107.911940 DISTANCE/BEARING FROM W.H.: 181', N28E
2) GPS COORD.: DISTANCE/BEARING FROM W.H.:
3) GPS COORD.: DISTANCE/BEARING FROM W.H.:
4) GPS COORD.: DISTANCE/BEARING FROM W.H.:

SAMPLING DATA:

CHAIN OF CUSTODY RECORD(S) # OR LAB USED:

HALL

1) SAMPLE ID: NE @ 4' (21) SAMPLE DATE: 01/26/16 SAMPLE TIME: 1118 LAB ANALYSIS:
2) SAMPLE ID: SE @ 4.5' (21) SAMPLE DATE: 01/26/16 SAMPLE TIME: 1018 LAB ANALYSIS:
3) SAMPLE ID: SW @ 5' (21) SAMPLE DATE: 01/26/16 SAMPLE TIME: 1133 LAB ANALYSIS:
4) SAMPLE ID: NW @ 4' (21) SAMPLE DATE: 01/26/16 SAMPLE TIME: 1033 LAB ANALYSIS:
5) SAMPLE ID: TB(A) @ 6' (21) SAMPLE DATE: 01/26/16 SAMPLE TIME: 1045 LAB ANALYSIS:

SIDEWALLS COMBINE FOR
4 PT. COMPOSITE
4PC - SW @ 4' - 5' (21)
8015B/8021B/300.0 (CI)
8015B/8021B/300.0 (CI)

OVM
READING
(ppm)
1,207
998
446
501
715

SOIL DESCRIPTION:

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)SOIL COLOR: MOSTLY DARK YELLOWISH ORANGECOHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSEMOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDSAMPLE TYPE: GRAB COMPOSITE - # OF PTS. 5DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - MEDIUM GRAY SOIL DIRECTLY BENEATH BGT APPROX. 0.5 - 1 FOOT THICKNESS. MELT.

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

HC ODOR DETECTED: YES / NO EXPLANATION - DISCOLORED SOIL AND SOILS &BEDROCK SANDSTONE IMMEDIATELY ADJACENT TO BGT.ANY AREAS DISPLAYING WETNESS: YES / NO EXPLANATION - MOST LIKELY FROM SNOW

SITE OBSERVATIONS:

LOST INTEGRITY OF EQUIPMENT: YES / NO EXPLANATION -APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES / NO EXPLANATION: DISCOLORED SOILS DIRECTLY BENEATH BGT.EQUIPMENT SET OVER RECLAIMED AREA: YES / NO EXPLANATION -OTHER: APPEARS THAT SANDSTONE WAS CARVED OUT TO INSTALL 21 BGT. BEDROCK WAS OBSERVED AS SHALLOW AS 2 FEET (FT.) BELOW GRADE < 10 FT. FROM BGT (NW QUADRANT). BEDROCK SANDSTONE DISCOLORATION PHASED INTO OLIVE GRAY TO A PALE YELLOWISH ORANGE.

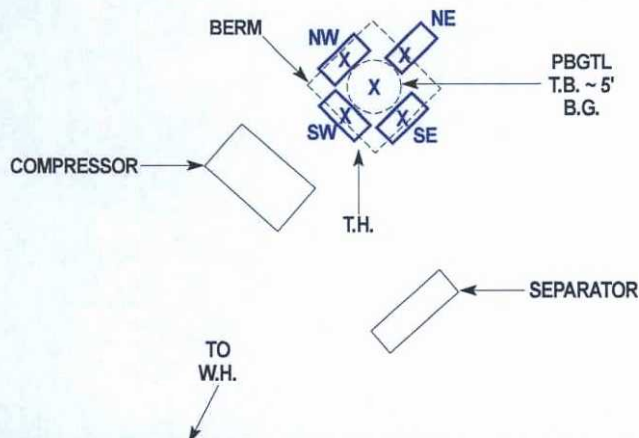
SOIL IMPACT DIMENSION ESTIMATION: 10 ft. X 10 ft. X 1 ft. IMPACTED SOIL ESTIMATION (Cubic Yards): 3 - 5 (±)

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



N

OVM CALIB. READ. = 52.2 ppm RF=0.52
OVM CALIB. GAS = 100 ppm
TIME: 11:10 am DATE: 01/26/16

MISCELL. NOTES

WO:

REF. #: P-76

VID: VHIXONEVB2

PJ #:

Permit date(s): 06/02/10

OCD Appr. date(s): 10/19/15

Tank ID OVM = Organic Vapor Meter
ppm = parts per million

B BGT Sidewalls Visible: Y / (N)

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.

NOTES: GOOGLE EARTH IMAGERY DATE: 3/15/2015.

ONSITE: 01/26/16

CLIENT: BP	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	API #: 3004521881 TANK ID (if applicable): B
FIELD REPORT: (circle one): BGT CONFIRMATION / <u>RELEASE INVESTIGATION</u> / OTHER:		PAGE #: 2 of 3
SITE INFORMATION: SITE NAME: VALENTINE GC # 1A QUAD/UNIT: D SEC: 32 TWP: 32N RNG: 10W PM: NM CNTY: SJ ST: NM 1/4 - 1/4 FOOTAGE: 1,180'N / 795'W NW/NW LEASE TYPE: FEDERAL <u>STATE</u> <u>FEE</u> <u>INDIAN</u> LEASE #: - PROD. FORMATION: MV CONTRACTOR: STRIKE MBF - C. PARKS		DATE STARTED: 01/29/16 DATE FINISHED: _____ ENVIRONMENTAL SPECIALIST(S): NJV
REFERENCE POINT: WELL HEAD (W.H.) GPS COORD.: 36.94558 X 107.91226 GL ELEV.: 6,104' 1) 21 BGT (SW/SB) GPS COORD.: 36.946056 X 107.911940 DISTANCE/BEARING FROM W.H.: 181', N28E 2) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____ 3) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____ 4) _____ GPS COORD.: _____ DISTANCE/BEARING FROM W.H.: _____		
SAMPLING DATA: CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HALL		OVM READING (ppm)
1) SAMPLE ID: 3PC - NE @ 5.5' - 7.5' SAMPLE DATE: 01/29/16 SAMPLE TIME: 1115 LAB ANALYSIS: 8015B/8021B 2) SAMPLE ID: 3PC - SE @ 5.5' - 7.5' SAMPLE DATE: 01/29/16 SAMPLE TIME: 1120 LAB ANALYSIS: 8015B/8021B 3) SAMPLE ID: 3PC - SW @ 5' - 7' SAMPLE DATE: 01/29/16 SAMPLE TIME: 1125 LAB ANALYSIS: 8015B/8021B 4) SAMPLE ID: 3PC - NW @ 5' - 7' SAMPLE DATE: 01/29/16 SAMPLE TIME: 1128 LAB ANALYSIS: 8015B/8021B 5) SAMPLE ID: 5PC - EB @ 9.5' SAMPLE DATE: 01/29/16 SAMPLE TIME: 1135 LAB ANALYSIS: 8015B/8021B		90.3 318 372 508 33.4
SOIL DESCRIPTION: SOIL TYPE: <u>SAND</u> <u>SILTY SAND</u> <u>SILT</u> <u>SILTY CLAY</u> <u>CLAY</u> <u>GRAVEL</u> <u>OTHER</u> BEDROCK (SANDSTONE) SOIL COLOR: MOSTLY DARK YELLOWISH ORANGE (BEDROCK) PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE <u>HIGHLY COHESIVE</u> DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE <u>VERY DENSE</u> HC ODOR DETECTED: <u>YES</u> NO EXPLANATION - OVM SAMPLES IN SE, SW, & NW WALLS MOISTURE: <u>DRY</u> SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED (all from very hard bedrock sandstone). SAMPLE TYPE: GRAB <u>COMPOSITE</u> # OF PTS. 3 & 5 ANY AREAS DISPLAYING WETNESS: YES <u>NO</u> EXPLANATION - _____ DISCOLORATION/STAINING OBSERVED: <u>YES</u> NO EXPLANATION - GRAYISH GREEN IN BOTTOM HALF OF NW SIDEWALL & APPROX. 2 FEET IN SE & SW WALLS.		
SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES <u>NO</u> EXPLANATION - _____ APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: <u>YES</u> NO EXPLANATION: BASED ON DISCOLORATION & OVM SAMPLE READINGS. EQUIPMENT SET OVER RECLAIMED AREA: YES <u>NO</u> EXPLANATION - _____ OTHER: ENTIRE EXCAVATION CONSISTED OF HARD TO VERY HARD, WELL CONSOILDATED, WELL CEMENTED BEDROCK SANDSTONE. COLLECTED SAMPLES BY SCRAPING SIDEWALLS WITH GEOPICK HAMMER. EXCAVATION BOTTOM SCRAPED WITH BACKHOE (dark yellowish orange in color). SOIL IMPACT DIMENSION ESTIMATION: 15 ft. X 13 ft. X 9.5 ft. IMPACTED SOIL ESTIMATION (Cubic Yards): 80 DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE: >1,000' NEAREST SURFACE WATER: <1,000' NMOCD TPH CLOSURE STD: 1,000 ppm		
SITE SKETCH <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>BGT Located : off <u>on</u> site</p> </div> <div style="width: 45%;"> <p>PLOT PLAN circle: <u>attached</u></p> <p style="text-align: center;">N</p> </div> </div>		
OVM CALIB. READ. = 51.4 ppm RF=0.52 OVM CALIB. GAS = 100 ppm TIME: 11:46 am/pm DATE: 01/29/16		MISCELL. NOTES WO: _____ REF. #: _____ VID: VHIXONEVRM PJ #: _____ Permit date(s): 06/02/10 OCD Appr. date(s): 10/19/15 Tank ID: B OVM = Organic Vapor Meter ppm = parts per million BGT Sidewalls Visible: Y / (N) 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.		
NOTES: GOOGLE EARTH IMAGERY DATE: 3/15/2015. ONSITE: 01/26/16, 01/28/16, 01/29/16		

CLIENT:

BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

API #: 3004521881

TANK ID
(if applicable): B

FIELD REPORT:

(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION / OTHER:

REMEDATION

PAGE #: 3 of 3

SITE INFORMATION:

SITE NAME: VALENTINE GC # 1A

QUAD/UNIT: D SEC: 32 TWP: 32N RNG: 10W PM: NM CNTY: SJ ST: NM

1/4 - 1/4 FOOTAGE: 1,180'N / 795'W NW/NW LEASE TYPE: FEDERAL STATE FEE INDIAN

LEASE #: - PROD. FORMATION: MV CONTRACTOR: MBF - C. PARKS

DATE STARTED: 02/02/16

DATE FINISHED:

ENVIRONMENTAL
SPECIALIST(S):

NJV

REFERENCE POINT:

WELL HEAD (W.H.) GPS COORD.: 36.94558 X 107.91226

GL ELEV.: 6,104'

1) 21 BGT (SW/SB)

GPS COORD.: 36.946056 X 107.911940

DISTANCE/BEARING FROM W.H.: 181', N28E

2)

GPS COORD.:

DISTANCE/BEARING FROM W.H.:

3)

GPS COORD.:

DISTANCE/BEARING FROM W.H.:

4)

GPS COORD.:

DISTANCE/BEARING FROM W.H.:

SAMPLING DATA:

CHAIN OF CUSTODY RECORD(S) # OR LAB USED:

HALL

1) SAMPLE ID: 3PC - SW @ 5' - 7'

SAMPLE DATE: 02/02/16

SAMPLE TIME: 1300

LAB ANALYSIS: 8015B/8021B

OVM
READING
(ppm)
330

2) SAMPLE ID:

SAMPLE DATE:

SAMPLE TIME:

LAB ANALYSIS:

3) SAMPLE ID:

SAMPLE DATE:

SAMPLE TIME:

LAB ANALYSIS:

4) SAMPLE ID:

SAMPLE DATE:

SAMPLE TIME:

LAB ANALYSIS:

5) SAMPLE ID:

SAMPLE DATE:

SAMPLE TIME:

LAB ANALYSIS:

SOIL DESCRIPTION:

SOIL TYPE: SAND SILTY SAND SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SANDSTONE)

SOIL COLOR: MOSTLY DARK YELLOWISH ORANGE (BEDROCK)

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

MOISTURE: DRY SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

SAMPLE TYPE: GRAB / COMPOSITE # OF PTS. 3

DISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - GRAYISH GREEN IN BOTTOM 2 FEET IN SW WALLS.

PLASTICITY (CLAYS): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC

DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

HC ODOR DETECTED: YES NO EXPLANATION - OVM SAMPLE (from very hard bedrock (sandstone)).

ANY AREAS DISPLAYING WETNESS: YES NO EXPLANATION -

SITE OBSERVATIONS:

LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION -

APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED: YES NO EXPLANATION: BASED ON DISCOLORATION & OVM SAMPLE READING.

EQUIPMENT SET OVER RECLAIMED AREA: YES NO EXPLANATION -

OTHER: ENTIRE EXCAVATION CONSISTED OF HARD TO VERY HARD, WELL CONSOLIDATED, WELL CEMENTED BEDROCK SANDSTONE. COLLECTED SAMPLE BY SCRAPING SIDEWALL WITH GEOPICK HAMMER & SHOVEL.

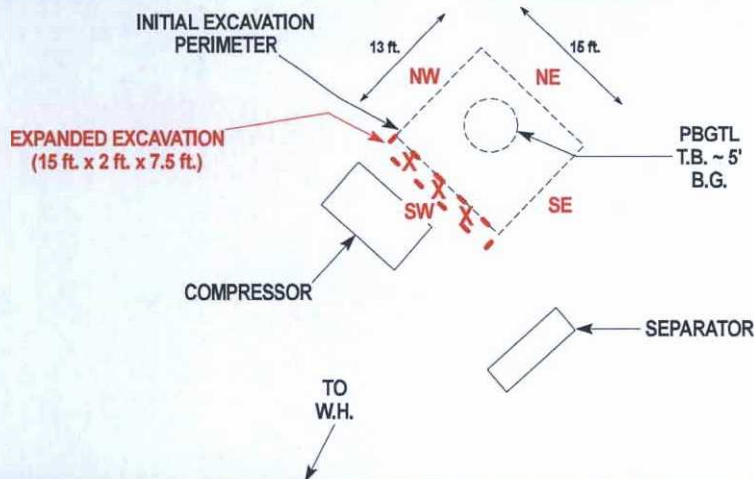
SOIL IMPACT DIMENSION ESTIMATION: 15 ft. X 15 ft. X 9.5 ft. IMPACTED SOIL ESTIMATION (Cubic Yards): 88

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



OVM CALIB. READ. = 53.2 ppm RF=0.52

OVM CALIB. GAS = 100 ppm

TIME: 12:50 am/pm DATE: 02/02/16

MISCELL. NOTES

WO:

REF. #:

VID: VHIXONEVRM

PJ #:

Permit date(s): 06/02/10

OCD Appr. date(s): 10/19/15

Tank ID OVM = Organic Vapor Meter
ppm = parts per million

B BGT Sidewalls Visible: Y / (N)

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; PBGT = 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.

NOTES: GOOGLE EARTH IMAGERY DATE: 3/15/2015.

ONSITE: 01/26/16, 01/28/16, 01/29/16, 02/02/16



Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1601989

Date Reported: 1/28/2016

CLIENT: Blagg Engineering

Client Sample ID: 4PC - SW @ 4' - 5' (21)

Project: Valentine GC # 1A

Collection Date: 1/26/2016 12:00:00 PM

Lab ID: 1601989-002

Matrix: MEOH (SOIL)

Received Date: 1/27/2016 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	1/27/2016 1:26:10 PM	23436
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	3200	100		mg/Kg	10	1/27/2016 11:46:03 AM	23425
Surr: DNOP	0	70-130	S	%REC	10	1/27/2016 11:46:03 AM	23425
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	1700	210		mg/Kg	50	1/27/2016 10:22:44 AM	23405
Surr: BFB	251	66.2-112	S	%REC	50	1/27/2016 10:22:44 AM	23405
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	1.1		mg/Kg	50	1/27/2016 10:22:44 AM	23405
Toluene	4.1	2.1		mg/Kg	50	1/27/2016 10:22:44 AM	23405
Ethylbenzene	4.8	2.1		mg/Kg	50	1/27/2016 10:22:44 AM	23405
Xylenes, Total	89	4.2		mg/Kg	50	1/27/2016 10:22:44 AM	23405
Surr: 4-Bromofluorobenzene	127	80-120	S	%REC	50	1/27/2016 10:22:44 AM	23405

Spill & Release Closure Standard Applied

Total TPH = 4,900 mg/Kg; closure standard = 1,000 mg/Kg

Benzene = ND mg/Kg; closure standard = 10 mg/Kg

Total BTEX = 97.9 mg/Kg; closure standard = 50 mg/Kg

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1601989

Date Reported: 1/28/2016

CLIENT: Blagg Engineering

Client Sample ID: TB(A) @ 6' (21)

Project: Valentine GC # 1A

Collection Date: 1/26/2016 10:45:00 AM

Lab ID: 1601989-001

Matrix: MEOH (SOIL)

Received Date: 1/27/2016 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LGT
Chloride	ND	30		mg/Kg	20	1/27/2016 1:13:46 PM	23436
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	3200	98		mg/Kg	10	1/27/2016 11:24:13 AM	23425
Surr: DNOP	0	70-130	S	%REC	10	1/27/2016 11:24:13 AM	23425
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	910	210		mg/Kg	50	1/27/2016 9:59:19 AM	23405
Surr: BFB	190	66.2-112	S	%REC	50	1/27/2016 9:59:19 AM	23405
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	1.0		mg/Kg	50	1/27/2016 9:59:19 AM	23405
Toluene	ND	2.1		mg/Kg	50	1/27/2016 9:59:19 AM	23405
Ethylbenzene	4.3	2.1		mg/Kg	50	1/27/2016 9:59:19 AM	23405
Xylenes, Total	58	4.1		mg/Kg	50	1/27/2016 9:59:19 AM	23405
Surr: 4-Bromofluorobenzene	117	80-120		%REC	50	1/27/2016 9:59:19 AM	23405

Spill & Release Closure Standard Applied

Total TPH = 4,110 mg/Kg; closure standard = 1,000 mg/Kg
Benzene = ND mg/Kg; closure standard = 10 mg/Kg
Total BTEX = 62.3 mg/Kg; closure standard = 50 mg/Kg

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1601B45

Date Reported: 2/2/2016

CLIENT: Blagg Engineering

Client Sample ID: 3PC-NE@5.5'-7.5'

Project: Valentine GC # 1A

Collection Date: 1/29/2016 11:15:00 AM

Lab ID: 1601B45-001

Matrix: MEOH (SOIL)

Received Date: 1/30/2016 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	73	9.8		mg/Kg	1	2/1/2016 10:25:17 AM	23497
Motor Oil Range Organics (MRO)	59	49		mg/Kg	1	2/1/2016 10:25:17 AM	23497
Surr: DNOP	87.0	70-130		%Rec	1	2/1/2016 10:25:17 AM	23497
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	8.8	4.2		mg/Kg	1	2/1/2016 11:14:07 AM	A31828
Surr: BFB	160	66.2-112	S	%Rec	1	2/1/2016 11:14:07 AM	A31828
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.042		mg/Kg	1	2/1/2016 11:14:07 AM	B31828
Toluene	ND	0.042		mg/Kg	1	2/1/2016 11:14:07 AM	B31828
Ethylbenzene	ND	0.042		mg/Kg	1	2/1/2016 11:14:07 AM	B31828
Xylenes, Total	0.36	0.084		mg/Kg	1	2/1/2016 11:14:07 AM	B31828
Surr: 4-Bromofluorobenzene	127	80-120	S	%Rec	1	2/1/2016 11:14:07 AM	B31828

Total TPH = 140.8 mg/Kg;

Down gradient sidewall

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1601B45

Date Reported: 2/2/2016

CLIENT: Blagg Engineering

Client Sample ID: 3PC-SE@5.5'-7.5'

Project: Valentine GC # 1A

Collection Date: 1/29/2016 11:20:00 AM

Lab ID: 1601B45-002

Matrix: MEOH (SOIL)

Received Date: 1/30/2016 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	590	9.8		mg/Kg	1	2/1/2016 10:53:09 AM	23497
Motor Oil Range Organics (MRO)	420	49		mg/Kg	1	2/1/2016 10:53:09 AM	23497
Surr: DNOP	96.6	70-130		%Rec	1	2/1/2016 10:53:09 AM	23497
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	110	4.0		mg/Kg	1	2/1/2016 11:38:46 AM	A31828
Surr: BFB	382	66.2-112	S	%Rec	1	2/1/2016 11:38:46 AM	A31828
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.040		mg/Kg	1	2/1/2016 11:38:46 AM	B31828
Toluene	ND	0.040		mg/Kg	1	2/1/2016 11:38:46 AM	B31828
Ethylbenzene	0.55	0.040		mg/Kg	1	2/1/2016 11:38:46 AM	B31828
Xylenes, Total	5.6	0.079		mg/Kg	1	2/1/2016 11:38:46 AM	B31828
Surr: 4-Bromofluorobenzene	168	80-120	S	%Rec	1	2/1/2016 11:38:46 AM	B31828

Total TPH = 1,120 mg/Kg

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

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

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1601B45

Date Reported: 2/2/2016

CLIENT: Blagg Engineering**Client Sample ID:** 3PC-NW@5'-7'**Project:** Valentine GC # 1A**Collection Date:** 1/29/2016 11:28:00 AM**Lab ID:** 1601B45-004**Matrix:** MEOH (SOIL)**Received Date:** 1/30/2016 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	360	9.6		mg/Kg	1	2/1/2016 11:48:31 AM	23497
Motor Oil Range Organics (MRO)	200	48		mg/Kg	1	2/1/2016 11:48:31 AM	23497
Surr: DNOP	90.6	70-130		%Rec	1	2/1/2016 11:48:31 AM	23497
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	280	43		mg/Kg	10	2/1/2016 1:41:41 PM	A31828
Surr: BFB	274	66.2-112	S	%Rec	10	2/1/2016 1:41:41 PM	A31828
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.043		mg/Kg	1	2/1/2016 12:27:59 PM	B31828
Toluene	0.56	0.043		mg/Kg	1	2/1/2016 12:27:59 PM	B31828
Ethylbenzene	1.4	0.043		mg/Kg	1	2/1/2016 12:27:59 PM	B31828
Xylenes, Total	14	0.85		mg/Kg	10	2/1/2016 1:41:41 PM	B31828
Surr: 4-Bromofluorobenzene	299	80-120	S	%Rec	1	2/1/2016 12:27:59 PM	B31828

Total TPH = 840 mg/Kg

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

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

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1601B45

Date Reported: 2/2/2016

CLIENT: Blagg Engineering**Client Sample ID:** 3PC-SW@5'-7'**Project:** Valentine GC # 1A**Collection Date:** 1/29/2016 11:25:00 AM**Lab ID:** 1601B45-003**Matrix:** MEOH (SOIL)**Received Date:** 1/30/2016 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	1100	100		mg/Kg	10	2/1/2016 12:48:24 PM	23497
Motor Oil Range Organics (MRO)	900	510		mg/Kg	10	2/1/2016 12:48:24 PM	23497
Surr: DNOP	0	70-130	S	%Rec	10	2/1/2016 12:48:24 PM	23497
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	430	39		mg/Kg	10	2/1/2016 1:17:08 PM	A31828
Surr: BFB	425	66.2-112	S	%Rec	10	2/1/2016 1:17:08 PM	A31828
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.039		mg/Kg	1	2/1/2016 12:03:23 PM	B31828
Toluene	0.18	0.039		mg/Kg	1	2/1/2016 12:03:23 PM	B31828
Ethylbenzene	1.6	0.039		mg/Kg	1	2/1/2016 12:03:23 PM	B31828
Xylenes, Total	26	0.77		mg/Kg	10	2/1/2016 1:17:08 PM	B31828
Surr: 4-Bromofluorobenzene	473	80-120	S	%Rec	1	2/1/2016 12:03:23 PM	B31828

Total TPH = 2,430 mg/Kg**Up gradient sidewall**

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1602067

Date Reported: 2/4/2016

CLIENT: Blagg Engineering

Project: VALENTINE GC #1A

Lab ID: 1602067-001

Matrix: SOIL

Client Sample ID: 3PC-SW2 @ 5'-7'

Collection Date: 2/2/2016 1:00:00 PM

Received Date: 2/3/2016 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	320	10		mg/Kg	1	2/3/2016 9:56:36 AM	23551
Motor Oil Range Organics (MRO)	240	50		mg/Kg	1	2/3/2016 9:56:36 AM	23551
Surr: DNOP	106	70-130		%Rec	1	2/3/2016 9:56:36 AM	23551
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	62	8.1		mg/Kg	2	2/3/2016 10:56:25 AM	23523
Surr: BFB	311	66.2-112	S	%Rec	2	2/3/2016 10:56:25 AM	23523
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.041		mg/Kg	2	2/3/2016 10:56:25 AM	23523
Toluene	ND	0.081		mg/Kg	2	2/3/2016 10:56:25 AM	23523
Ethylbenzene	0.13	0.081		mg/Kg	2	2/3/2016 10:56:25 AM	23523
Xylenes, Total	1.3	0.16		mg/Kg	2	2/3/2016 10:56:25 AM	23523
Surr: 4-Bromofluorobenzene	121	80-120	S	%Rec	2	2/3/2016 10:56:25 AM	23523

Total TPH = 622 mg/Kg

Up gradient sidewall

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1601B45

Date Reported: 2/2/2016

CLIENT: Blagg Engineering

Client Sample ID: 5PC-EB@9.5'

Project: Valentine GC # 1A

Collection Date: 1/29/2016 11:35:00 AM

Lab ID: 1601B45-005

Matrix: MEOH (SOIL)

Received Date: 1/30/2016 9:15:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: KJH
Diesel Range Organics (DRO)	130	9.5		mg/Kg	1	2/1/2016 12:20:50 PM	23497
Motor Oil Range Organics (MRO)	120	48		mg/Kg	1	2/1/2016 12:20:50 PM	23497
Surr: DNOP	84.8	70-130		%Rec	1	2/1/2016 12:20:50 PM	23497
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	19	4.0		mg/Kg	1	2/1/2016 12:52:35 PM	A31828
Surr: BFB	230	66.2-112	S	%Rec	1	2/1/2016 12:52:35 PM	A31828
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.040		mg/Kg	1	2/1/2016 12:52:35 PM	B31828
Toluene	ND	0.040		mg/Kg	1	2/1/2016 12:52:35 PM	B31828
Ethylbenzene	0.096	0.040		mg/Kg	1	2/1/2016 12:52:35 PM	B31828
Xylenes, Total	0.99	0.081		mg/Kg	1	2/1/2016 12:52:35 PM	B31828
Surr: 4-Bromofluorobenzene	128	80-120	S	%Rec	1	2/1/2016 12:52:35 PM	B31828

Total TPH = 269 mg/Kg

Excavation Bottom

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

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

Chain-of-Custody Record

Client: **BLAGG ENGR. / BP AMERICA**

Mailing Address: **P.O. BOX 97**

BLOOMFIELD, NM 87413

Phone #: **(505) 632-1199**

Mail or Fax#:

Accreditation:

☒ Standard ☐ Level 4 (Full Validation)

☒ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush

SAME DAY

Project Name:

VALENTINE GC # 1A

Project #:

Project Manager:

NELSON VELEZ

Sampler: **NELSON VELEZ**

On Ice: ☒ Yes ☐ No

Sample Temperature: **11**

Container Type and #

4 oz. - 1

Preservative Type

Cool

HEAL No.

1601989

Sample Request ID

TB(A) @ 6' (21)

Date

1/26/16

Time

1045

Matrix

SOIL

Sample Request ID

4PC - SW @ 4' - 5' (21)

Date

1/26/16

Time

1200

Matrix

SOIL

Sample Request ID

4PC - SW @ 4' - 5' (21)

Date

1/26/16

Time

1200

Matrix

SOIL

Sample Request ID

4PC - SW @ 4' - 5' (21)

Date

1/26/16

Time

1200

Matrix

SOIL

Sample Request ID

4PC - SW @ 4' - 5' (21)

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1/26/16

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Sample Request ID

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Date

1/26/16

Time

1200

Matrix

SOIL

Sample Request ID

4PC - SW @ 4' - 5' (21)

Date

1/26/16

Time

1200

Matrix

SOIL

Sample Request ID

4PC - SW @ 4' - 5' (21)

Chain-of-Custody Record

Client: BLAKE ENGR. / BJ AMERISAT

Mailing Address: P.O. BOX 87

BLOOMFIELD NM 87413

Phone #: (505) 340-3489

Mail or Fax: NEILSON, JEFF, 1 STEELEN

QC Package: ☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☒ NELAP ☐ Other

EDD (Type): _____

Date _____ Time _____ Matrix _____ Sample Request ID _____

2/16 1300 SOIL 3PC-SWACES-71

Turn-Around Time:

☐ Standard ☒ Rush

Project Name:

VALENTINE GC #A

Project #:

Project Manager:

NEILSON VEEZ

Sampler:

NEILSON VEEZ

On Ice: ☒ Yes ☐ No

Sample Temperature: 10

Container Type and #

4oz. - 1 Cool

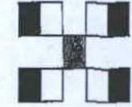
Preservative Type

COOL

HEAL No.

1602067

201



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX + MTBE + TMB (8021)	<input checked="" type="checkbox"/>	BTEX + MTBE (8021)	<input checked="" type="checkbox"/>	TPH 8015B (GRO / DRO / MRO)	<input checked="" type="checkbox"/>	TPH (Method 418.1)		EDB (Method 504.1)		PAH's (8310 or 8270 SIMS)		RCRA 8 Metals		Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)		8081 Pesticides / 8082 PCB's		8260B (VOA)		8270 (Semi-VOA)		3 pt. composite	<input checked="" type="checkbox"/>	Air Bubbles (Y or N)	
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Remarks:

PAYKEY: VHXON EURM
CONTACT: STEVE MOSKAL (BP)

Received by: Mr. Wanda Date: 2/2/16 1415

Received by: Chap. In Date: 02/03/16

Relinquished by: 9/1/16 Time: 1415

Relinquished by: 9/1/16 Time: 1415

Relinquished by: 9/1/16 Time: 1415

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Relinquished by: 9/1/16 Time: 1415

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601989

28-Jan-16

Client: Blagg Engineering

Project: Valentine GC # 1A

Sample ID	MB-23436	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	23436	RunNo:	31736					
Prep Date:	1/27/2016	Analysis Date:	1/27/2016	SeqNo:	971237	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-23436	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	23436	RunNo:	31736					
Prep Date:	1/27/2016	Analysis Date:	1/27/2016	SeqNo:	971238	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.5	90	110			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601989

28-Jan-16

Client: Blagg Engineering
Project: Valentine GC # 1A

Sample ID	MB-23425	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	23425	RunNo:	31683					
Prep Date:	1/27/2016	Analysis Date:	1/27/2016	SeqNo:	970283	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	11		10.00		107	70	130			

Sample ID	LCS-23425	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	23425	RunNo:	31683					
Prep Date:	1/27/2016	Analysis Date:	1/27/2016	SeqNo:	970284	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.0	65.8	136			
Surr: DNOP	4.9		5.000		98.9	70	130			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601989

28-Jan-16

Client: Blagg Engineering
Project: Valentine GC # 1A

Sample ID	MB-23405		SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	PBS		Batch ID: 23405		RunNo: 31708					
Prep Date:	1/26/2016		Analysis Date: 1/27/2016		SeqNo: 970902		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	930		1000		93.2	66.2	112			

Sample ID	LCS-23405		SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range					
Client ID:	LCSS		Batch ID: 23405		RunNo: 31708					
Prep Date:	1/26/2016		Analysis Date: 1/27/2016		SeqNo: 970903		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.9	79.6	122			
Surr: BFB	1000		1000		102	66.2	112			

Qualifiers:

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

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601989
28-Jan-16

Client: Blagg Engineering
Project: Valentine GC # 1A

Sample ID	MB-23405	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	23405	RunNo:	31708					
Prep Date:	1/26/2016	Analysis Date:	1/27/2016	SeqNo:	970927	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		113	80	120			

Sample ID	LCS-23405	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	23405	RunNo:	31708					
Prep Date:	1/26/2016	Analysis Date:	1/27/2016	SeqNo:	970928	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	105	80	120			
Toluene	1.1	0.050	1.000	0	109	80	120			
Ethylbenzene	1.1	0.050	1.000	0	111	80	120			
Xylenes, Total	3.4	0.10	3.000	0	114	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		121	80	120			S

Qualifiers:

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



Hall Environmental Analysis Laboratory
3901 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: **1601989**

ReptNo: **1**

Received by/date:

Logged By: **Lindsay Mangin**

1/27/2016 8:00:00 AM

Completed By: **Lindsay Mangin**

1/27/2016 8:12:52 AM

Reviewed By:

Chain of Custody

1. Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

2. Is Chain of Custody complete?

Yes ☒

No ☐

Not Present ☐

3. How was the sample delivered?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 5.0°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 ☒

12. Does paperwork match bottle labels?

Yes ☒

No ☐

(Note discrepancies on chain of custody)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒

No ☐

14. Is it clear what analyses were requested?

Yes ☒

No ☐

15. Were all holding times able to be met?

Yes ☒

No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Yes			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601B45

02-Feb-16

Client: Blagg Engineering

Project: Valentine GC # 1A

Sample ID	MB-23497	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	23497	RunNo:	31813					
Prep Date:	2/1/2016	Analysis Date:	2/1/2016	SeqNo:	973617	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.6		10.00		76.4	70	130			

Sample ID	LCS-23497	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	23497	RunNo:	31813					
Prep Date:	2/1/2016	Analysis Date:	2/1/2016	SeqNo:	973618	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.4	65.8	136			
Surr: DNOP	3.8		5.000		76.6	70	130			

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601B45

02-Feb-16

Client: Blagg Engineering

Project: Valentine GC # 1A

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	A31828	RunNo:	31828					
Prep Date:		Analysis Date:	2/1/2016	SeqNo:	974181	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	850		1000		85.5	66.2	112			

Sample ID	2.5UG GRO LCS	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	A31828	RunNo:	31828					
Prep Date:		Analysis Date:	2/1/2016	SeqNo:	974182	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.8	79.6	122			
Surr: BFB	970		1000		97.4	66.2	112			

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1601B45

02-Feb-16

Client: Blagg Engineering
Project: Valentine GC # 1A

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	B31828	RunNo:	31828					
Prep Date:		Analysis Date:	2/1/2016	SeqNo:	974187	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	B31828	RunNo:	31828					
Prep Date:		Analysis Date:	2/1/2016	SeqNo:	974188	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.050	1.000	0	93.3	80	120			
Toluene	0.96	0.050	1.000	0	95.6	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.0	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		115	80	120			

Qualifiers:

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

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



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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: **1601B45**

RcptNo: 1

Received by/date:

Logged By: **Lindsay Mangin**

01/30/16
1/30/2016 9:15:00 AM

Completed By: **Lindsay Mangin**

1/30/2016 9:51:40 AM

Reviewed By:

dam 1/30/16

Chain of Custody

1. Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

2. Is Chain of Custody complete?

Yes ☒

No ☐

Not Present ☐

3. How was the sample delivered?

Courier

Log In

4. Was an attempt made to cool the samples?

Yes ☒

No ☐

NA ☐

5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ 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 ☒

12. Does paperwork match bottle labels?

Yes ☒

No ☐

(Note discrepancies on chain of custody)

13. Are matrices correctly identified on Chain of Custody?

Yes ☒

No ☐

14. Is it clear what analyses were requested?

Yes ☒

No ☐

15. Were all holding times able to be met?

Yes ☒

No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by:

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good	Yes			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602067

04-Feb-16

Client: Blagg Engineering
Project: VALENTINE GC #1A

Sample ID	MB-23551	SampType:	MBLK	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID:	23551	RunNo:	31874					
Prep Date:	2/3/2016	Analysis Date:	2/3/2016	SeqNo:	975374	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		98.0	70	130			

Sample ID	LCS-23551	SampType:	LCS	TestCode:	EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID:	23551	RunNo:	31874					
Prep Date:	2/3/2016	Analysis Date:	2/3/2016	SeqNo:	975375	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.0	65.8	136			
Surr: DNOP	4.8		5.000		95.3	70	130			

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602067

04-Feb-16

Client: Blagg Engineering
Project: VALENTINE GC #1A

Sample ID	MB-23523	SampType:	MBLK	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	23523	RunNo:	31884					
Prep Date:	2/2/2016	Analysis Date:	2/3/2016	SeqNo:	975769	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	890		1000		89.4	66.2	112			

Sample ID	LCS-23523	SampType:	LCS	TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	23523	RunNo:	31884					
Prep Date:	2/2/2016	Analysis Date:	2/3/2016	SeqNo:	975770	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.4	79.6	122			
Surr: BFB	990		1000		99.5	66.2	112			

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1602067

04-Feb-16

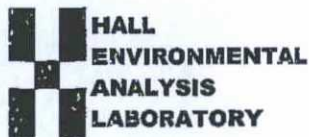
Client: Blagg Engineering
Project: VALENTINE GC #1A

Sample ID	MB-23523	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBS	Batch ID:	23523	RunNo:	31884					
Prep Date:	2/2/2016	Analysis Date:	2/3/2016	SeqNo:	975781	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID	LCS-23523	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSS	Batch ID:	23523	RunNo:	31884					
Prep Date:	2/2/2016	Analysis Date:	2/3/2016	SeqNo:	975782	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.050	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	105	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.2	0.10	3.000	0	108	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		120	80	120			

Qualifiers:

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



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Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: BLAGG

Work Order Number: 1602067

RcptNo: 1

Received by/date: AT 02/03/16

Logged By: Anne Thorne 2/3/2016 7:00:00 AM

Completed By: Anne Thorne 2/3/2016

Reviewed By: [Signature] 2/3/16

[Signature]

[Signature]

Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of $>0^{\circ}\text{C}$ 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 ☒
12. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
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 ☐

of preserved
bottles checked
for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-138
Revised August 1, 2011

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: BP America Production Co. 200 Energy Ct. Farmington, NM 87401
2. Originating Site: Valentine GC 001A Paykey: VHIXONEVRM
3. Location of Material (Street Address, City, State or ULSTR): QRT/QRT: NW/NW Unit: D Section: 32 T32N R10W
4. Source and Description of Waste: Hydrocarbon impacted soils. Estimated Volume <u>60</u> yd ³ / bbls Known Volume (to be entered by the operator at the end of the haul) <u>53</u> yd ³ / bbls <i>2/10/16 - 12 cu yd 1/30/16 - 30 cu yd</i>
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Steve Moskal</u> , representative or authorized agent for <u>BP America Production Company</u> do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input checked="" type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input checked="" type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS <u>Steve Moskal</u> , representative for <u>BP America Production Company</u> authorize IEI to complete the required testing/sign the Generator Waste Testing Certification. I, <u>IEI</u> , representative for <u>IEI</u> do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Strike

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Industrial Ecosystems Inc., JFJ Waste Management Facility (JFJ), Permit NM-01-0010B

Address of Facility: #49 CR 3150 Aztec, NM

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: Tamara Berry

TITLE: Clerk

DATE: 1-29-16

SIGNATURE: [Signature]

Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: 505-632-1782

1/29/16