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

3

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

JUL 08 2016

Form C-141 Revised August 8, 2011

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

Release Inotificatio	and Corrective Actio	
	OPERATOR	🗌 Initial Report 🛛 Final Repo
Name of Company: BP	Contact: Jeff Peace	
Address: 200 Energy Court, Farmington, NM 87401	Telephone No.: 505-326-9479	
racinty Name: Gallegos Canyon Unit 20/E	Facility Type: Natural gas well	
Surface Owner: Federal Mineral Owner	Federal	API No. 3004511632
LOCATIO	N OF RELEASE	
Unit LetterSectionTownshipRangeFeet from theNorthD1428N12W950North	h/South Line Feet from the Eas 1,070 We	st/West Line County: San Juan
Latitude <u>36.6668701</u>	Longitude108.0863876	
NATURE	C OF RELEASE	
ype of Release: unknown	Volume of Release: unknown	Volume Recovered: none
ource of Release: below grade tank – 95 bbl	Date and Hour of Occurrence: unknown	Date and Hour of Discovery: April 11, 2014 – 11:00 AM
Vas Immediate Notice Given?	If YES, To Whom?	
3y Whom?	Date and Hour	
Vas a Watercourse Reached?	If YES, Volume Impacting the W	atercourse.
beschibe Area Affected and Cleanup Action Taken. ⁴ The initial remedia feet in all direction with a total of approximately 15 cubic yards of soil ecompleted well being put back into service. The remaining impacts we 7 soil borings were completed as in-situ, chemical injection points for th peroxide was complete, 5 additional soil borings were advance for confin effectiveness of the in-situ chemical treatment, with all results below the are attached.	removed from the site. The remedia ere delineated via the advancement of he application of hydrogen peroxide. mation laboratory samples. The cont site closure standards. Field reports,	tand that pursuant to NMOCD rules and
egulations all operators are required to report and/or file certain release public health or the environment. The acceptance of a C-141 report by the hould their operations have failed to adequately investigate and remedia or the environment. In addition, NMOCD acceptance of a C-141 report of ederal, state, or local laws and/or regulations.	notifications and perform corrective a ne NMOCD marked as "Final Report" te contamination that pose a threat to does not relieve the operator of respon	"does not relieve the operator of liability ground water, surface water, human health nsibility for compliance with any other
Signature: Alex Man	<u>OIL CONSER</u>	(VATION DIVISION) - (
Printed Name: Steve Moskal	Approved by Environmental Special	list:
Citle: Field Environmental Coordinator	Approval Date: 8/19/16	Expiration Date:
E-mail Address: steven.moskal@bp.com	Conditions of Approval:	Attached
Date: June 30, 2016 Phone: 505-326-9497		
Attach Additional Sheets II Necessary #WCS 14111	51357	(64)

BP America Production Company

Gallegos Canyon Unit 207E (D) Sec 14 – T28N – R12W API: 30-045-23897 San Juan County, New Mexico

Summary Record of Impacted Soil Remediation

- March 31, 2014 Confirmation sampling conducted of the 95 barrel below-grade tank (**BGT**) following the approved New Mexico Oil Conservation Division's (**NMOCD**) bgt permit closure plan.
- <u>April 2, 2014</u> Lab report delivered to Blagg Engineering, Inc. (**BEI**). The following table below shows the 2010 NMOCD 19.15.17.13 NMAC (pit rule) closure constituents, testing methods, and standards (release verification). Lab results of the 5 point composite sample collected immediately below bgt bottom are shown in the far right column.

Constituents	Testing Method	Release Verification (mg/Kg)	95 BGT 5-pt.@ 6' (mg/Kg)
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	< 0.24*
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	10
ТРН	US EPA Method SW-846 418.1	100	4,300
Chlorides	US EPA Method 300.0 or 4500B	250 or background	< 30

Notes: mg/Kg = milligram per kilogram, BTEX = benzene, toluene, ethylbenzene, and total xylenes, TPH = total petroleum hydrocarbons. *- Lab Reporting Detection Limit value. Other EPA methods that the division approves may be applied to all constituents listed. Chloride closure standards will be determined by which ever concentration level is greatest.

In addition, it was requested by BEI to analyze the confirmation sample for TPH using US EPA Method 8015B. The results revealed total TPH = 2,330 mg/Kg, in which gasoline range organics (GRO) = 430 mg/Kg and Diesel Range Organics (DRO) = 1,900 mg/Kg.

- June 17, 2014 Initiated site remediation by excavation with trackhoe. Evaluation of NMOCD's "Guidelines for Remediation of Leaks, Spills and Releases", dated August 13, 1993, for site ranking criteria indicated a closure standard of 1,000 mg/Kg for TPH based on groundwater depth estimated at greater than 100 feet from the known impacted soil vertical depth. Final dimensions of the excavation was 15 ft. x 12 ft. x 6-7.5 ft. depth.
- June 20, 2014 Collection of soil & bedrock surface samples from excavation and additional lateral determination using hand auger. Lab report furnished revealed TPH using US EPA Method 8015B 2,600 mg/Kg from three (3) point composite sample of excavation bottom (sample ID: 3PC-EB @ 7.5' (95) and Non Detect at the Reporting Limits from four (4) point composite sample of excavation sidewalls (sample ID: 4PC-SW @ 3'-6' (95).

June 24, 2014	Additional excavation of northeast perimeter extended approximately five (5)
	feet. Two (2) samples collected from sidewall [NE -SW @ 5' (95)] and bedrock
	[NE - SW @ 7' (95)]. Both samples were below applied closure standard (see
	Table 1 on following page). Final dimensions of impacted soil removed and
	replaced with imported clean soil was 15 ft. x 18 ft. x 1.5 ft. depth or
	approximately 15 cubic yards. Photos of excavation collected prior to backfilling
	with clean, imported soils.

June 26, 2014 Additional investigation in the northwest, west, southwest (between production tanks), and south of previous excavation. Impacts discovered at bedrock sandstone surface only (see Site Diagram – Figure 1).

- May 9, 2016 Installation of seventeen (17) hand auger investigation points within remaining impact area located west of prior remedial excavation and east of 300 barrel stock tanks (see Figure 2). Each point terminated at the surface of dense sandstone located between 4.5' – 8.0' below surface grade. Points labeled as A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P&Q. Eleven (11) of the points (B,C,E,H,J,K,L,M,N,O&Q) selected for remediation of impacts via in-situ hydrogen peroxide treatment based on field OVM test results.
- May 11, 2016 Concentrated hydrogen peroxide (34%) injected into each of the 11 selected treatment points, with 1 gallon used in each well.
- May 13, 2016 Concentrated hydrogen peroxide (34%) injected into each of the 11 selected treatment points, with 1 gallon used in each well.
- May 17, 2016 Concentrated hydrogen peroxide (34%) injected into each of the 11 selected treatment points, with 1 gallon used in each well.
- May 20, 2016 Concentrated hydrogen peroxide (34%) injected into each of the 11 selected treatment points, with 1 gallon used in each well.
- May 24, 2016 Concentrated hydrogen peroxide (34%) injected into each of the 11 selected treatment points, with 1 gallon used in each well.
- June 16, 2016 Confirmation closure sampling collected from impacted zone by hand augering at five (5) separate and discrete locations. Sample points were selected with concurrence from on site NMOCD representative (see Figure 2). Points were labeled as HA-101, HA-102, HA-103, HA-104 and HA-105. Samples were submitted to Hall Environmental Laboratories for analysis of TPH by USEPA Method 8015D, BTEX by USEPA Method 8021B and chlorides by USEPA Method 300.0

June 28, 2016

Receive confirmation closure laboratory results from lab:

Sample	Sample	Field	TPH	TPH	TPH	BTEX	Chloride
ID	Depth	OVM	(GRO)	(DRO)	(GRO+DRO)	Total	(mg/Kg)
	(feet)	(ppm)	(mg/KG)	(mg/Kg)	(mg/Kg)	(mg/Kg)	
HA-101	4.0'-6.0'	520	21	770	791	ND	ND
HA-102	5.0'-6.9'	172	ND	390	390	ND	ND
HA-103	5.4'-7.3'	955	40	390	430	0.12	ND
HA-104	5.0'-5.8'	99	ND	65	65	ND	ND
HA-105	5.7'-7.1'	77	ND	540	540	ND	ND





	Stone
71	3,350 ppm
6.0'	2,730 ppm
4.0'	0.0 ppm
6.6'	2,480 ppm
6.0'	0.0 ppm
5.7	3,460 ppm
4.5'	0.0 ppm
	7 1' 6.0' 4.0' 6.6' 6.0' 5.7' 4.5'

	N	LEGEND Sample Location HA-4	
		0 15 30 Feet	
SITE DIAGRAM BP ** GCU 207E ** (D)14-T2	28N-R12W	BLAGG ENGINEERING, INC	C.
DATE: 6/2014 FIGURE 1	BY: JCB	P.O. BOX 87, BLOOMFIELD, N. PHONE: (505)632-1199	M

Hydrogen Pero ID Depth to Sandstone A 5.9'	xide Treatment Poin OVM ppm at Sandstone 2.0(Not Treated	ts Approximate Residual Ir Treated wit	Area of mpacts th H2O2		Figur GCU 2
C 7.5' D 5.9' E 7.2' F 5.5' G 4.5'	611 41(Not Treated 63 13.2(Not Treate 5.0(Not Treate	d) d)			Remedial 6/17/2
H 6.8' I 4.2' J 6.0' K 6.4' L 6.4'	286 3.1(Not Treate 213 58 122	d)	300 Tank	102 M	
M 6.3' N 6.4' O 8.0' P 4.8' Q 7.1'	282 69 455 8.5(Not Treate 1,160	d)	A F	H 101 G	
Conf	irmation Sample Poi	nts	300 Tank		
1D Depth to Sandstone 101 6.0' 102 6.9'	Sample OVM Interval (ppm 4.0'-6.0' 520 5.0'-6.9' 172	Lab IPH) mg/Kg 791 390			
103 7.3' 104 5.8' 105 7.1'	5.4'-7.3' 955 5.0'-5.8' 99 5.7'-7.1' 77	430 65 540		95 Low Profile AGT	
Coogle eart	н				
92018 600gle				1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	ALC ATT

TABLE 1

BP AMERICA PRODUCTION COMPANY GCU # 207E

Unit Letter D, Section 14, T28N, R12W - API Number: 30-045-23897 (Cleanup & Post Cleanup Investigation of 95 barrel Below-grade Tank)

SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLING COLLECTION	FIELD OVM READING (ppm)	TPH - cumulative (mg/Kg)	Benzene (mg/Kg)	BTEX - cumulative (mg/Kg)	Soil Description / Comments
HA1 @ 7.5' (95)	06/17/14	1106	GRAB	449	NA	NA	NA	Sample collected with hand auger, medium to dark gray soil immediately above bedrock sandstone
TH1 @ 8' (95)	06/17/14	1119	GRAB	99.5	256.7	ND	ND	Dark yellowish orange to olive gray (sample) sand to silty sand, bedrock sandstone at total depth
3PC-EB @ 7.5' (95)	06/20/14	0855	COMPOSITE	717	2,600	ND	8.9	Excavation bottom composite sample, bedrock sandstone, varying shades of gray
4PC-SW @ 3'-6' (95)	06/20/14	0905	COMPOSITE	0.0	ND	ND	ND	Excavation sidewall composite sample, dark yellowish orange sand to silty sand
HA3 @ 7' (95)	06/20/14	0930	GRAB	461	NA	NA	NA	Sample collected with hand auger, medium to dark gray soil immediately above bedrock sandstone
HA4 @ 5.75' (95)	06/20/14	0958	GRAB	1.4	ND	ND	ND	Sample collected with hand auger, dark yellowish to pale yellowish orange sand to silty sand
NE - SW @ 5' (95)	06/24/14	0957	GRAB	4.6	ND	ND	ND	Excavation sidewall sample, dark yellowish orange sand to silty sand
NE - SW @ 7' (95)	06/24/14	0858	GRAB	263	469	ND	0.82	Excavation sidewall sample consisting of bedrock sandstone, olive gray
HA-5 @ 7.1-7.6'	06/26/14	1340	GRAB	354	3,350	ND	2.2	Sample collected with hand auger, bedrock sandstone surface @ 7.1' below grade
HA-6 @ 6.0-7.2'	06/26/14	1405	GRAB	488	2,730	ND	25	Sample collected with hand auger, bedrock sandstone surface @ 6.0' below grade
HA-7 @ 4.0-4.4'	06/26/14	1415	GRAB	2.8	ND	ND	ND	Sample collected with hand auger, bedrock sandstone surface @ 4.0' below grade
HA-8 @ 6.6-7.7'	06/26/14	1435	GRAB	265	2,480	ND	1.1	Sample collected with hand auger, bedrock sandstone surface @ 6.6' below grade
HA-9 @ 6.0-7.1'	06/26/14	1457	GRAB	1.9	ND	ND	ND	Sample collected with hand auger, bedrock sandstone surface @ 6.0' below grade
HA-10 @ 5.7-6.4'	06/26/14	1514	GRAB	487	3,460	ND	2.1	Sample collected with hand auger, bedrock sandstone surface @ 5.7' below grade
HA-11@4.5-5.2'	06/26/14	1526	GRAB	1.1	ND	ND	ND	Sample collected with hand auger, bedrock sandstone surface @ 4.5' below grade

NMOCD RELEASE CLOSURE STANDARDS (soils) -

10 50

Notes:

 OVM Organic vapor meter or photo-ionization detector (PID).

 TPH Total petroleum hydrocarbons by US EPA Method 8015B.

BTEX - Benzene, toluene, ethylbenzene, total xylenes by US EPA Method 8021B.

NMOCD - New Mexico Oil Conservation Division.

mg/Kg - Milligram per kilogram.

ND - Not detected at Reporting Limit.

NA - Not available or applicable.

NMOCD RELEASE CLOSURE STANDARDS REFERENCE: "Guidelines for Remediation of Leaks, Spills and Releases" dated: August 13, 1993.

100

1,000

OVM CALIBRATION: RESPONSE FACTOR = 0.52 or 1.00, CALIBRATION GAS - 100 ppm ISOBUTYLENE.

OVM CALIBRATION DATA	DATE	TIME	READING
	06/17/14	1132	52.5
	06/20/14	0915	52.3

DATE	TIME	READING
06/24/14	1005	52.1
06/26/14	0650	52.2

ppm - Parts per million.

CLIENT: BP	BLAGG ENGINEERING, P.O. BOX 87, BLOOMFIELD, I (505) 632-1199	INC. NM 87413	API #: 3004523897 TANK ID (if applicble): A			
FIELD REPORT: SITE INFORMATION QUAD/UNIT: D SEC: 14 TWP: 1/4-1/4/FOOTAGE: 950'N / 1,070 LEASE #: SF078905	(circle one): BGT CONFIRMATION / RELEASE INVESTIGATION REMEDIATION OF 95 SW/DB BGT - INITIALLY SAMP SITE NAME: GCU # 207E 28N RNG: 12W PM: NM CNTY: S W NW/NW LEASE TYPE: FEDERAL/ STAT CROSS PROD. FORMATION: DK CONTRACTOR: MBF - F	OTHER: LED ON 03/31/14 J ST: NM TE / FEE / INDIAN SFIRE F. ARAGON	PAGE #: 1 of 1 DATE STARTED: 06/17/14 DATE FINISHED: ENVIRONMENTAL SPECIALIST(S): JCB			
REFERENCE POINT 1) 95 BGT (SW/DB) 2)	WELL HEAD (W.H.) GPS COORD.: 36.66 GPS COORD.: 36.66718 X 108.0859 GPS COORD.: GPS COORD.: GPS COORD.: GPS COORD.:	6689 X 108.08651 DISTANCE/BEAI DISTANCE/BEAI DISTANCE/BEAI DISTANCE/BEAI	GL ELEV.: 5,702' RING FROM W.H.: 182', N55E RING FROM W.H.: RING FROM W.H.: RING FROM W.H.:			
SAMPLING DATA: 1) SAMPLE ID: HA1 @ 7.5' (95) 2) SAMPLE ID: TH1 @ 8' (95) 3) SAMPLE ID:	CHAIN OF CUSTODY RECORD(S) # OR LAB USED: HA SAMPLE DATE: 06/17/14 SAMPLE TIME: 1106 SAMPLE DATE: 06/17/14 SAMPLE TIME: 1119 SAMPLE DATE: SAMPLE TIME:	LL LAB ANALYSIS:	NA 449 B / 8021B / 300.0 (CI) 99.5			
SOIL DESCRIPTION: SOIL TYPE: SAND / SILTY SAND/ SILT / SILTY CLAY / CLAY / GRAVEL BEDROCK SANDSTONE @ 7'-7.5' BELOW SOIL COLOR: MOSTLY DARK YELLOWISH ORANGE PLASTICITY (CLAY): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC COHESION (ALL OTHERS): NON COHESIVE SULGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE COHESIVE / LIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE PLASTICITY (CLAY): NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC CONSISTENCY (NON COHESIVE SOILS): LOOSE FIRM / DENSE / VERY DENSE PLASTICITY (CLAY): NON PLASTIC / SLIGHTLY MIST / VERY STIFF / HARD MOISTURE: DRY SLIGHTLYMOIST / MOIST / WET / SATURATED / SUPER SATURATED SATURATED / SUPER SATURATED / SUPER SATURATED SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. NA DISCOLORATION/STAINING OBSERVED: YES NO EXPLANATION - VARYING SHADES OF GRAY BETWEEN 6 - 7.5 FEET BELOW GRADE. SITE OBSERVATIONS: LOST INTEGRITY OF EQUIPMENT: YES NO EXPLANATION - APPARENT EVIDENCE OF A RELEASE OBSERVED AND/OR OCCURRED : [YES] NO EXPLANATION - EXPLANATION - GRAP BERVEL OF A RELEASE OBSERVED AND/OR OCCURRED : [YES] NO EXPLANATION - OEXPLANATION - OTHER: SIDEWALLS CONTAIN IMPACTED SOIL APPROX. 1 FT. THICK AT BOTTOMS WITHIN NE, SW, & NW AREA ONLY. TEST HOLE ADVANCED DID NOT REVEAL ANY DISCOLORATION. HAND AUGER (HA) BORINGS SPACED 3 FT. APART & FROM EXCAVATION PERIMETE						
DEPTH TO GROUNDWATER: >100' N SITE SKETCH OFF-SITE SURFACE TORAINAGE DIRECTION Image: Comparison of the second se	BGT Located : off / on site PLOT PLAN BGT Located : off / on site PLOT PLAN PLOT PLAN PLOT PLAN EXCAVATION PERIN 15 ft. X 12 ft. X 7.5 ft Impact interval @ 6 NE-SW (2 ft. beyond HAA HA2 HA1 HA3 PBGTL PBGTL PBGTL	ER: <1,000' NMOC circle: attached OWM THE t depth -7.5' N & from fence) mal 5 ft. Excavation mded on 06/24/14 K SANDSTONE 5' BELOW GRADE. P.	CALIB. READ. = 52.5 ppm CALIB. READ. = 52.5 ppm CALIB. GAS = 100 ppm MISCELL. NOTES 06/17/14 MISCELL. NOTES 00 #: VO: N15464952 O #:			
Interaction State	PROD. T.B. ~ 6' PERIMETE EAD. = 52.1 ppm I.O. PROFILE ABOVE-GR SAS = 100 ppm RF = 0.52 SEPARATOR MAS = 06/24/14 SEPARATOR SEPARATOR N DEPRESSION; B.G. = BELOW GRADE; B = BELOW, T.H. = TEST HOLE; ~ = APPR WAGRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAIN WALL; DW- DOUBLE WALL; SB - SINGLE BOTTOM; DB - DOUBLE BOTTOM. SERY DATE: 11/17/2013. ONSITE: 06/1	R SECURITY FENCE Pe RADE TANK Origonal OX.; W.H. = WELL HEAD; M OX.; W.H. = WELL HEAD; M T/14, 06/20/14, 06 M	ermit date(s): CD Appr. date(s): N OVM = Organic Vapor Meter ppm = parts per million BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N BGT Sidewalls Visible: Y / N lagnetic declination: 10° E			













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

Nelson Velez Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 320-3489 FAX

June 20, 2014

OrderNo.: 1406820

Dear Nelson Velez:

RE: GCU # 207 E

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/18/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analy	sis Labora	atory, Inc	с.		Date Reported: 6/20/20	14
CLIENT: Blagg Engineering Project: GCU # 207 E Lab ID: 1406820-001	Matrix:	MEOH (SO	Client Samp Collection IL) Received	le ID: TH Date: 6/1 Date: 6/1	H1 @ 8' (95) 17/2014 11:19:00 AM 18/2014 7:40:00 AM	2
Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS				Analyst	BCN
Diesel Range Organics (DRO)	250	10	mg/Kg	1	6/18/2014 1:35:48 PM	13755
Surr: DNOP	98.7	57.9-140	%REC	1	6/18/2014 1:35:48 PM	13755
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst	NSB
Gasoline Range Organics (GRO)	6.7	4.3	mg/Kg	1	6/18/2014 12:44:38 PM	R19352
Surr: BFB	91.1	80-120	%REC	1	6/18/2014 12:44:38 PM	R19352
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.043	mg/Kg	1	6/18/2014 12:44:38 PM	R19352
Toluene	ND	0.043	mg/Kg	1	6/18/2014 12:44:38 PM	R19352
Ethylbenzene	ND	0.043	mg/Kg	1	6/18/2014 12:44:38 PM	R19352
Xylenes, Total	ND	0.086	mg/Kg	1	6/18/2014 12:44:38 PM	R19352
Surr: 4-Bromofluorobenzene	116	80-120	%REC	1	6/18/2014 12:44:38 PM	R19352

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

Qualifiers:

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

Page 1 of 4

- 1 L.

Analytical Report Lab Order 1406820

Hall Environmental Analysis Laboratory, Inc.

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

Sample ID MB-13755 Client ID: PBS	SampType: MBLK Batch ID: 13755	TestCode: EPA Method 8015D: Diesel Range Organics RunNo: 19341
Prep Date: 6/18/2014	Analysis Date: 6/18/2014	SeqNo: 559117 Units: mg/Kg
Analyte	Result PQL SPK valu	ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Surr: DNOP	8.4 10.0	00 84.0 57.9 140
Sample ID LCS-13755	SampType: LCS	TestCode: EPA Method 8015D: Diesel Range Organics
Client ID: LCSS	Batch ID: 13755	RunNo: 19341
Prep Date: 6/18/2014	Analysis Date: 6/18/2014	SeqNo: 559118 Units: mg/Kg
Analyte	Result PQL SPK value	ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	49 10 50.0	00 0 98.5 60.8 145
Surr: DNOP	4.3 5.00	00 85.2 57.9 140

Qualifiers:

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

Page 2 of 4

20-Jun-14

WO#: 1406820

Hall Environmental Analysis Laboratory, Inc.

WO#: 1406820

20-Jun-14

Client:Blagg EProject:GCU # 2	ngineering 207 E	
Sample ID MB-13743 MK Client ID: PBS Prep Date:	SampType: MBLK Batch ID: R19352 Analysis Date: 6/18/2014	TestCode: EPA Method 8015D: Gasoline Range RunNo: 19352 SeqNo: 559936 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 890 1000	89.0 80 120
Sample ID LCS-13743 MK	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: R19352	RunNo: 19352
Prep Date:	Analysis Date: 6/18/2014	SeqNo: 559937 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 98.6 71.7 134
Surr: BFB	1100 1000	106 80 120
Sample ID MB-13743	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 13743	RunNo: 19352
Prep Date: 6/17/2014	Analysis Date: 6/18/2014	SeqNo: 559944 Units: %REC
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	890 1000	89.0 80 120
Sample ID LCS-13743	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 13743	RunNo: 19352
Prep Date: 6/17/2014	Analysis Date: 6/18/2014	SeqNo: 559946 Units: %REC
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	1100 1000	106 80 120

Qualifiers:

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

Page 3 of 4

Hall Environmental Analysis Laboratory, Inc.

Client: Blag Project: GCU

Blagg Engineering GCU # 207 E

Sample ID MB-13743 MK	Samp	Туре: М	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Bato	h ID: R1	9352	F	RunNo: 1	9352				
Prep Date:	Analysis	Date: 6/	18/2014	5	SeqNo: 5	59977	Units: mg/k	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		102	80	120		14-1 - P.	
Sample ID LCS-13743 MK	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Bato	h ID: R1	9352	F	RunNo: 1	9352				
Prep Date:	Analysis I	Date: 6/	18/2014	S	SeqNo: 5	59979	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.050	1.000	0	96.1	80	120			
Toluene	0.94	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.4	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		115	80	120	1.1		18
Sample ID MB-13743	Samp	Туре: М	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		2.5
Client ID: PBS	Batc	h ID: 13	743	F	RunNo: 1	9352				
Prep Date: 6/17/2014	Analysis I	Date: 6/	18/2014	5	SeqNo: 5	59985	Units: %RE	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			
Sample ID LCS-13743	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles	10.00	
Client ID: LCSS	Batc	h ID: 13	743	F	RunNo: 1	9352				
Prep Date: 6/17/2014	Analysis I	Date: 6/	18/2014	5	SeqNo: 5	59986	Units: %RE	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.2		1.000		115	80	120			1.1

Qualifiers:

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

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1406820 20-Jun-14

WO#:

ANALYSIS LABORATORY HALL TEL: 505-345-39 Website: 117175	4901 Hawkins 4901 Hawkins Albuquerque, NM 871 975 FAX: 505-345-41 hallenvironmental.c	NE 109 Sam j 107 107	ble Log-In Check List
Client Name: BLAGG Work Order Numb	per: 1406820		RcptNo: 1
Received by/date: OGUS/14			
Logged By: Lindsay Mangin 6/18/2014 7:40:00 A	AM	Amely Harry D	
Completed By: Lindsay Mangin 6/18/2014 8:25:54 A	M	Andy Hlango	
Reviewed By:	-	VVV	
Chain of Custody			
1 Custody seals intact on sample bottles?	Yes	No	Not Present
2 Is Chain of Custody complete?	Yes V	No	Not Present
3 How was the sample delivered?	Courier		
	1.1		
Log In			
4. 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 1	
8. Are samples (except VOA and ONG) properly preserved?	Yes 火	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 🗸	
		1	# of preserved bottles checked
12. Does paperwork match bottle labels?	Yes 🖌	No	for pH:
(Note discrepancies on chain of custody)			(<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes 🖌	No	rujuatou :
14. Is it clear what analyses were requested?	Yes M	No	Chacked by
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes V	NO	Gnecked by.

Special Handling (if applicable)

reisonr	Notified:			Date			
By Whor	m:			Via:	eMail	Phone Fax	In Person
Regardir	ng:				IN THE REAL PROPERTY OF THE REAL PROPERTY OF		
Client In	structions:		and the local design of the local data and the burgers				No. Moral II. Shinese masses
		1.0		elos in co		e See on one i	
dditional rem	narks:			elas is co		n Sen en con est	
dditional rem cooler Inform Cooler No	narks: nation Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By	J

				4	1	SAME					HA	LL	E	N	/11	20	N	ME	NT	AL	
Client:	BLAG	G ENGR.	/ BP AMERICA	Standard	Rush_	DAY				1	AN	AL	Y	SI	SI		BO	R/	ATC	R	Y
				Project Name			www.hallenvironmental.com														
Mailing A	ddress:	P.O. BO	X 87	all and	GCU # 207	7E	4901 Hawkins NE - Albuquerque, NM 87109														
		BLOOM	FIELD, NM 87413	Project #:				Tel. 505-345-3975 Fax 505-345-4107													
Phone #:		(505) 63	32-1199									,	Anal	ysis	Re	ques	st				
email or F	email or Fax#:		Project Manager:					m	r				-				1)	T			
QA/QC Par	ckage: ard		Level 4 (Full Validation)	NELSON VELEZ			0218)	only)	(our			IS)		04"SO	PCB's			er - 300.			e
Accreditat	tion:			Sampler: NELSON VELEZ 9				(Gas	RO/	F	F	SIN		102,1	3082			/wat			Idu
	0	D Other		Onice	On Ice Ves Li No			TPH	10/0	418.	504	327(03,1	s/8		A)	0.00			e sa
	Гуре)			Sample Temp	erature: 2.			+ =	(GRC	po	por	or	etals	CI'N	cide	(A)	-V-	il - 3(ele :	osit
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEALNO 1406820	BTEX +-MTE	BTEX + MTE	TPH 8015B	TPH (Meth	EDB (Meth	PAH (8310	RCRA 8 M	Anions (F,0	8081 Pesti	8260B (VO	8270 (Sem	Chloride (so		Grab samp	5 pt. comp
6/17/14 1119	SOIL	TH1 @ 8' (95)	4 oz 1	Cool	-001	V		V											V	T	
															1					1	+
								-											1	+	
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Date:	Time:	Relinquishe	ed by	Received by:	1	Date Time	Ren	nark	s:						-	-					
117/14	1535	191	hart	Christia	Walter	4/11/14 1535	BI		RECT	LY T	OB) ;									
Date:	Time:	Relinquishe	ed by:	Repeived by:	www.	Date Time	Je	ff Pe	ace,	200 1	Ener	gy Co	ourt,	Farn	ningt	on, N	IM 8	7401			
117/14	1725	Chri	istul allo	M W	Del	18/14 0740	W	ork	Orde	r: _	N1	5464	952		Pa	ykey		ZDCS	01GE	N1	-
1	If we are not	al annual an	where the state that the descent of the state	and the second second second								-	-	-		_				_	

ecessary samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted dots will be clearly it is clearly it is a contracted dots will be clearly it.



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

RE: GCU #207E

FAX

June 25, 2014

Nelson Velez

Blagg Engineering P. O. Box 87

Bloomfield, NM 87413 TEL: (505) 320-3489

OrderNo.: 1406A00

Dear Nelson Velez:

Hall Environmental Analysis Laboratory received 3 sample(s) on 6/21/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

ahn Clarell

John Caldwell Supervisor 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analys	is Labora	atory, Iı	1c.			Lab Order 1406A00 Date Reported: 6/25/201	4
CLIENT: Blagg Engineering Project: GCU #207E Lab ID: 1406A00-001	Matrix:	MEOH (S	OIL)	Client Sampl Collection 1 Received 1	le ID: 3P Date: 6/2 Date: 6/2	C-EB @ 7.5' (95) 20/2014 8:55:00 AM 21/2014 10:00:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analyst:	BCN
Diesel Range Organics (DRO)	2100	98		mg/Kg	10	6/23/2014 11:33:05 AM	13833
Surr: DNOP	0	57.9-140	S	%REC	10	6/23/2014 11:33:05 AM	13833
EPA METHOD 8015D: GASOLINE RAN	IGE					Analyst:	NSB
Gasoline Range Organics (GRO)	500	44		mg/Kg	10	6/23/2014 12:29:29 PM	R19437
Surr: BFB	397	80-120	S	%REC	10	6/23/2014 12:29:29 PM	R19437
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.22		mg/Kg	10	6/23/2014 12:29:29 PM	R19437
Toluene	ND	0.44		mg/Kg	10	6/23/2014 12:29:29 PM	R19437
Ethylbenzene	2.3	0.44		mg/Kg	10	6/23/2014 12:29:29 PM	R19437
Xylenes, Total	6.6	0.87		mg/Kg	10	6/23/2014 12:29:29 PM	R19437
Surr: 4-Bromofluorobenzene	145	80-120	S	%REC	10	6/23/2014 12:29:29 PM	R19437
EPA METHOD 300.0: ANIONS						Analyst:	JRR

3 point composite sample from excavation bottom (medium to dark gray in color)

30

mg/Kg

ND

TPH = 2,600 mg/Kg total BTEX = 8.9 mg/Kg

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

Qualifiers:

Chloride

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank

Analytical Report

20 6/23/2014 12:39:14 PM 13840

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit

Page 1 of 7

Analytical	Report
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Lab Order 1406A00

Date Reported: 6/25/2014

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Blagg Engineering	(Client Sample ID: 4PC-SW @ 3'-6' (95)
Project:	GCU #207E		Collection Date: 6/20/2014 9:05:00 AM
Lab ID:	1406A00-002	Matrix: MEOH (SOIL)	Received Date: 6/21/2014 10:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE O	RGANICS				Analyst:	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/23/2014 12:03:14 PM	13833
Surr: DNOP	86.6	57.9-140	%REC	1	6/23/2014 12:03:14 PM	13833
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/23/2014 11:29:11 AM	R19437
Surr: BFB	90.6	80-120	%REC	1	6/23/2014 11:29:11 AM	R19437
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.047	mg/Kg	1	6/23/2014 11:29:11 AM	R19437
Toluene	ND	0.047	mg/Kg	1	6/23/2014 11:29:11 AM	R19437
Ethylbenzene	ND	0.047	mg/Kg	1	6/23/2014 11:29:11 AM	R19437
Xylenes, Total	ND	0.095	mg/Kg	1	6/23/2014 11:29:11 AM	R19437
Surr: 4-Bromofluorobenzene	106	80-120	%REC	1	6/23/2014 11:29:11 AM	R19437
EPA METHOD 300.0: ANIONS					Analyst:	JRR
Chloride	ND	30	mg/Kg	20	6/23/2014 12:14:24 PM	13840

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

100		-	
(hu a	1111	110	Page 4
Qua		ue	1.34

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

Page 2 of 7

Hall Environmental Analys	sis Labora	tory, Inc.			Lab Order 1406A00 Date Reported: 6/25/201	4	
CLIENT:Blagg EngineeringProject:GCU #207ELab ID:1406A00-003	Client Sample ID: HA4 @ 5.75' (95) Collection Date: 6/20/2014 9:58:00 Matrix: MEOH (SOIL) Received Date: 6/21/2014 10:00:00						
Analyses	Result	RL Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 8015D: DIESEL RANGE	ORGANICS				Analyst:	BCN	
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	6/25/2014 4:22:36 PM	13833	
Surr: DNOP	79.5	57.9-140	%REC	1	6/25/2014 4:22:36 PM	13833	
EPA METHOD 8015D: GASOLINE RAM	NGE				Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	5.1	mg/Kg	1	6/23/2014 11:59:21 AM	R19437	
Surr: BFB	91.1	80-120	%REC	1	6/23/2014 11:59:21 AM	R19437	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.051	mg/Kg	1	6/23/2014 11:59:21 AM	R19437	
Toluene	ND	0.051	mg/Kg	1	6/23/2014 11:59:21 AM	R19437	
Ethylbenzene	ND	0.051	mg/Kg	1	6/23/2014 11:59:21 AM	R19437	
Xylenes, Total	ND	0.10	mg/Kg	1	6/23/2014 11:59:21 AM	R19437	
Surr: 4-Bromofluorobenzene	108	80-120	%REC	1	6/23/2014 11:59:21 AM	R19437	
EPA METHOD 300.0: ANIONS					Analyst:	JRR	
Chloride	ND	30	mg/Kg	20	6/23/2014 12:26:49 PM	13840	

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

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

Page 3 of 7

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

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

Sample ID MI	B-13840	Samp	Туре: МІ	BLK	Tes	tCode: E	PA Method	300.0: Anior	IS		
Client ID: PE	BS	Batc	h ID: 13	840	F	RunNo: 1	9468				
Prep Date: 6	5/23/2014	Analysis [Date: 6	/23/2014	5	SeqNo: 5	63225	Units: mg/H	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	6	ND	1.5							1.1.6	
Sample ID LC	CS-13840	Samp	Type: LC	s	Tes	tCode: El	PA Method	300.0: Anior	IS		
Client ID: LC	CSS	Batc	h ID: 13	840	F	RunNo: 1	9468				
Prep Date: 6	5/23/2014	Analysis [Date: 6/	23/2014	5	SeqNo: 5	63226	Units: mg/h	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.3	90	110			

Qualifiers:

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

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26-Jun-14

WO#: 1406A00

Hall Environmental Analysis Laboratory, Inc.

WO#: 1406A00

26-Jun-14

Client: Project:	Blagg En GCU #20	gineering)7E								
Sample ID	MB-13833	SampType:	MBLK	Tes	tCode: El	PA Method	8015D: Diese	el Range (Organics	
Client ID:	PBS	Batch ID:	13833	F	RunNo: 1	9428				
Prep Date:	6/23/2014	Analysis Date:	6/23/2014	5	SeqNo: 5	61973	Units: mg/K	(g		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Surr: DNOP	Organics (DRO)	ND 1 7.5	10.00		75.3	57.9	140			
Sample ID	LCS-13833	SampType:	LCS	Tes	tCode: El	PA Method	8015D: Diese	el Range (Organics	
Client ID:	LCSS	Batch ID:	13833	F	RunNo: 1	9428				
Prep Date:	6/23/2014	Analysis Date:	6/23/2014	S	SeqNo: 5	61976	Units: mg/K	g		
Analyte		Result PQI	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	46 1	50.00	0	92.3	68.6	130			
Surr: DNOP		3.6	5.000		72.8	57.9	140			
Sample ID	MB-13809	SampType: I	MBLK	Tes	tCode: EF	PA Method	8015D: Diese	el Range (Organics	1
Client ID:	PBS	Batch ID:	13809	F	RunNo: 19	9464				
Prep Date:	6/20/2014	Analysis Date:	6/24/2014	S	eqNo: 50	63212	Units: %RE	с		
Analyte		Result PQI	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		8.1	10.00		81.1	57.9	140			1.75
Sample ID	LCS-13809	SampType: I	LCS	Tes	tCode: EF	A Method	8015D: Diese	el Range C	Organics	
Client ID:	LCSS	Batch ID:	13809	F	unNo: 19	9464				
Prep Date:	6/20/2014	Analysis Date:	6/24/2014	S	eqNo: 56	63213	Units: %RE	с		
Analyte		Result PQI	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		3.8	5.000		76.7	57.9	140			

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

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

Sample ID MB-1382	20 MK Samp	Туре: М	BLK	Tes	tCode: E	PA Method	8015D: Gase	oline Rang	e	
Client ID: PBS	Bato	h ID: R1	9437	F	RunNo: 1	9437				
Prep Date:	Analysis	Date: 6/	23/2014	5	SeqNo: 5	62664	Units: mg/h	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics Surr: BFB	(GRO) ND 970	5.0	1000		97.1	80	120			
Sample ID LCS-138	20 MK Samp	Type: LC	S	Tes	tCode: E	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Bato	h ID: R1	9437	F	RunNo: 1	9437				
Prep Date:	Analysis I	Date: 6/	23/2014	5	SeqNo: 5	62665	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Basoline Range Organics	(GRO) 23	5.0	25.00	0	91.5	71.7	134			
Surr: BFB	980		1000		98.2	80	120		a Maria	
Sample ID 1406A00	-002AMS Samp	Туре: М	3	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	e	
Client ID: 4PC-SW	@ 3'-6' (95) Bato	h ID: R1	9437	F	RunNo: 1	9437				
Prep Date:	Analysis I	Date: 6/	23/2014	5	SeqNo: 5	62668	Units: mg/H	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Basoline Range Organics	(GRO) 19	4.7	23.70	0	80.7	71.8	132		111111111	1.0
Surr BEB	970		947 9		102	80	120			

Qualifiers:

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

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1406A00

26-Jun-14

WO#:

Hall Environmental Analysis Laboratory, Inc.

Client:Blagg EngineeringProject:GCU #207E

Sample ID MB-13820 MK	Samp	Туре: М	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: R1	9437	F	RunNo: 1	9437				
Prep Date:	Analysis Date: 6/23/2014			S	SeqNo: 5	62691	Units: mg/l	٢g		
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	-	115	80	120			
Sample ID LCS-13820 MK	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: R1	9437	F	RunNo: 1	9437				
Prep Date:	Analysis [Date: 6	23/2014	S	SeqNo: 5	62692	Units: mg/ł	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.050	1.000	0	97.8	80	120			
Toluene	0.96	0.050	1.000	0	96.0	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.5	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.7	80	120			

Qualifiers:

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

WO#: 1406A00 26-Jun-14

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HALL H ENVIRONMENTAL ANALYSIS LABORATORY	all Environmental An Albuqu EL: 505-345-3975 FA Website: www.haller	alysis Labo 4901 Hawka erque, NM 1X: 505-343 ivironmenta	ratory ins NE 87105 Sam 5-4107 al.com	ple Log-In Check List
Client Name: BLAGG Wor	k Order Number: 14	406A00		RcptNo: 1
Received by/date:	21/201	4		
Logged By: Ashley Gallego 6/21/2	014 10:00:00 AM		AJ	
Completed By: Ashley Gallegos 6/21/2	014 10:24:37 AM		A	
Reviewed By: DU	21/2011	+		
chain of Custody	1	,		
1. Custody seals intact on sample bottles?		'es 🗌	No 🗌	Not Present
2. Is Chain of Custody complete?	١	res 🗹	No 🗌	Not Present
3. How was the sample delivered?	2	Courier		
.og In				
4. Was an attempt made to cool the samples?	•	res 🔽	No 🗆	
5. Were all samples received at a temperature of >0°	C to 6.0°C Y	es 🔽	No 🗌	
6. Sample(s) in proper container(s)?	,	/es 🗹	No 🗌	
7. Sufficient sample volume for indicated test(s)?	Y	es 🗹	No 🗌	
8. Are samples (except VOA and ONG) properly prese	rved? Y	es 🗹	No 🗌	
9. Was preservative added to bottles?	Y	es 🗌	No 🔽	NA 🗌
0.VOA viais have zero headspace?	Y	es 🗆	No 🗌	No VOA Vials 🗹
1. Were any sample containers received broken?	١	'es 🗆	No 🗹	# of preserved
2. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Y	es 🗹	No 🗌	for pH: (<2 or >12 unless noted
3. Are matrices correctly identified on Chain of Custody	n Y	es 🗹	No 🗌	Adjusted?
4. Is it clear what analyses were requested?	Y	es 🔽	No 🗌	
5. Were all holding times able to be met? (If no, notify customer for authorization.)	Y	es 🗸	No 🗌	Checked by:
pecial Handling (if applicable)				
6. Was client notified of all discrepancies with this orde	r? Y	es 🗌	No 🗌	NA 🗹
Person Notified: By Whom:	Date: Via:	Mail 🗌	Phone 🗌 Fax	In Person
Client Instructions:				
17. Additional remarks:				
18. Cooler Information	Seal No Sea	Date	Signed By	
1 21 Good Ves	000110 000	auto	orgined by	

Client:	BLAG	G ENGR.	/ BP AMERICA	Standard	Rush_	DAY				A		AL	YS	SI	S L	A	30	RA	ГО	RY
	1.			Project Name.							www	w.ha	llen	viro	nme	ntal	.com	1		
Mailing Ac	dress:	P.O. BO	K 87		GCU # 207	7E		49	01 H	lawk	ins N	NE -	Alb	ouqu	erqu	le, N	IM 8	7109		
		BLOOM	FIELD, NM 87413	Project #:				Te	1. 50)5-34	45-39	975	I	Fax	505-	-345	-410	07		
Phone #:	5.0	(505) 63	2-1199									A	nal	ysis	Rec	lnes	it	1.1.1		
email or F	ax#:			Project Manag	jer:			4	n	_				(+)				(1)		
QA/QC Pad	ckage: ard		Level 4 (Full Validation)		NELSON VI	ELEZ	0218)	(Vino a	(ONIN)			(SV		PO4,SO	2 PCB's			ter - 300		mple
Accreditat	ion:			Sampler:	NELSON VI	ELEZ TW	F	(Gas	RO	1	न	OSIA		VO2,	808			/ wa		e sa
		Other_		On lce:	Z Yes	LI No		TPH	0/0	418	504	827	s	03,1	Se /		(YO	00.00		osit
	ype)			Sample Temp	erature:	2		3E +	(GR(por	por	or	etal	CI'N	icide	(V)	i-V	oil - 3	ole	dwo
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO	BTEX + MH	BTEX + MTI	TPH 8015B	TPH (Meth	EDB (Meth	PAH (8310	RCRA 8 M	Anions (F,	8081 Pest	8260B (VC	8270 (Sen	Chloride (so	Grab sam	# of pts. c
6/20/14	0855	SOIL	3PC - EB @ 7.5' (95)	4 oz 1	Cool	-001	٧		۷									٧		3
6/20/14	0905	SOIL	4PC - SW @ 3' - 6' (95)	4 oz 1	Cool	-002	V		٧									V	+	4
6/20/14	0958	SOIL	HA4 @ 5.75' (95)	4 oz 1	Cool	-003	V		٧									V	V	
																			+	
Date: /20/14	Time:	Relinquish	han J	Received by:	Waete	Date Time	Rer	nark LL DI	RECT		O BP	: av Co	ourt.	Farn	ningt	on. N	MM 8	7401		
Date:	Time:	Relinquish	istu beltin	Received by:	Agallic	Date Time OUDIN	w	ork (Order		N15	4649	952		Pa	ykey		ZDCSO	1GEN:	1



June 30, 2014 Nelson Velez Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 320-3489 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquergue, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: GCU # 207E

OrderNo.: 1406B24

Dear Nelson Velez:

Hall Environmental Analysis Laboratory received 2 sample(s) on 6/25/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analys	sis Labora	atory, In	ic.			Lab Order 1406B24 Date Reported: 6/30/201	4
CLIENT:Blagg EngineeringProject:GCU # 207ELab ID:1406B24-001	Matrix:	MEOH (SO	C DIL)	Client Sampl Collection Received	le ID: NE Date: 6/2 Date: 6/2	E - SW @ 5' (95) 24/2014 9:57:00 AM 25/2014 8:10:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analyst:	BCN
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	6/25/2014 10:44:01 AM	13880
Surr: DNOP	89.6	57.9-140		%REC	1	6/25/2014 10:44:01 AM	13880
EPA METHOD 8015D: GASOLINE RAM	NGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/25/2014 10:08:26 AM	R19486
Surr: BFB	89.6	80-120		%REC	1	6/25/2014 10:08:26 AM	R19486
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.047		mg/Kg	1	6/25/2014 10:08:26 AM	R19486
Toluene	ND	0.047		mg/Kg	1	6/25/2014 10:08:26 AM	R19486
Ethylbenzene	ND	0.047		mg/Kg	1	6/25/2014 10:08:26 AM	R19486
Xylenes, Total	ND	0.093		mg/Kg	1	6/25/2014 10:08:26 AM	R19486
Surr: 4-Bromofluorobenzene	102	80-120		%REC	1	6/25/2014 10:08:26 AM	R19486
EPA METHOD 300.0: ANIONS						Analyst:	JRR

30

mg/Kg

ND

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

Qualifiers:

*

Chloride

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

Page 1 of 6

Analytical Report

20 6/25/2014 11:46:38 AM 13886

Hall Environmental Analy	sis Labora	ntory, II	ıc.			Lab Order 1406B24 Date Reported: 6/30/20	14
CLIENT:Blagg EngineeringProject:GCU # 207ELab ID:1406B24-002	Matrix:	MEOH (S	OIL)	Client Samp Collection Received	e ID: NH Date: 6/2 Date: 6/2	E - SW @ 7' (95) 24/2014 8:58:00 AM 25/2014 8:10:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANG	E ORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	410	10		mg/Kg	1	6/25/2014 12:00:09 PM	13880
Surr: DNOP	91.7	57.9-140		%REC	1	6/25/2014 12:00:09 PM	13880
EPA METHOD 8015D: GASOLINE RA	NGE					Analyst	NSB
Gasoline Range Organics (GRO)	59	4.4		mg/Kg	1	6/25/2014 10:38:35 AM	R1948
Surr: BFB	580	80-120	S	%REC	1	6/25/2014 10:38:35 AM	R1948
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.044		mg/Kg	1	6/25/2014 10:38:35 AM	R1948
Toluene	ND	0.044		mg/Kg	1	6/25/2014 10:38:35 AM	R1948
Ethylbenzene	0.10	0.044		mg/Kg	1	6/25/2014 10:38:35 AM	R1948
Xylenes, Total	0.72	0.088		mg/Kg	1	6/25/2014 10:38:35 AM	R1948
Surr: 4-Bromofluorobenzene	139	80-120	S	%REC	1	6/25/2014 10:38:35 AM	R1948
EPA METHOD 300.0: ANIONS						Analyst	JRR
Chloride	ND	30		ma/Ka	20	6/25/2014 11:59:03 AM	13886

Approx. 5 feet from northeast excavation perimeter & 2 feet from perimeter security fence (olive gray color - similar to TH1 in appearance)

TPH = 469 mg/Kg total BTEX = 0.82 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.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank

Analytical Report

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.RL Reporting Detection Limit

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

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

Sample ID MB-13886	SampType: MBLK	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 13886	RunNo: 19526		
Prep Date: 6/25/2014	Analysis Date: 6/25/2014	SeqNo: 565224	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
hloride	ND 1.5			3 144
Sample ID LCS-13886	SampType: LCS	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 13886	RunNo: 19526		
Prep Date: 6/25/2014	Analysis Date: 6/25/2014	SeqNo: 565225	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
			110	

Qualifiers:

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

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30-Jun-14

WO#: 1406B24

Hall	Environmental	Analysis	La	boratory	, Inc.
					P

WO#: 1406B24

30-Jun-14

Client: Project:	Blagg Eng GCU # 20	gineering)7E									
Sample ID	MB-13880	SampTy	pe: ME	BLK	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	
Client ID:	PBS	Batch I	D: 13	880	F	RunNo: 1	9466				
Prep Date:	6/25/2014	Analysis Da	te: 6/	25/2014	5	SeqNo: 5	563896	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Quai
Diesel Range	Organics (DRO)	ND	10						1.0		
Surr: DNOP		8.4		10.00		84.2	57.9	140		and the second	e e su a
Sample ID	LCS-13880	SampTy	pe: LC	s	Tes	tCode: E	PA Method	8015D: Dies	el Range (Organics	16
Client ID:	LCSS	Batch I	D: 13	880	F	RunNo: 1	9466				
Prep Date:	6/25/2014	Analysis Da	te: 6/	25/2014	5	SeqNo: 5	63897	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	46	10	50.00	0	91.5	68.6	130			
Surr: DNOP		4.1		5.000		82.5	57.9	140			
Sample ID	1406B24-001AMS	SampTy	De: MS	6	Tes	tCode: E	PA Method	8015D: Diese	el Range (Organics	
Client ID:	NE - SW @ 5' (95)	Batch I	D: 13	880	F	RunNo: 1	9466				
Prep Date:	6/25/2014	Analysis Da	te: 6/	25/2014	5	SeqNo: 5	64017	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	47	9.9	49.36	0	95.5	40.1	152			
Surr: DNOP		4.3		4.936		87.9	57.9	140		in the star	and the
Sample ID	1406B24-001AMS	SampTy	pe: MS	SD	Tes	tCode: E	PA Method	8015D: Diese	el Range (Organics	
Client ID:	NE - SW @ 5' (95)	Batch I	D: 13	880	F	RunNo: 1	9466				
Prep Date:	6/25/2014	Analysis Dat	te: 6/	25/2014	S	SeqNo: 5	64032	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range	Organics (DRO)	51	10	50.40	0	101	40.1	152	7.25	32.1	141
Surr: DNOP		4.7		5.040		94.0	57.9	140	0	0	
Sample ID	MB-13913	SampTy	be: ME	BLK	Tes	tCode: E	PA Method	8015D: Diese	el Range (Organics	CREAT
Client ID:	PBS	Batch I	D: 13	913	F	RunNo: 1	9522				
Prep Date:	6/26/2014	Analysis Da	te: 6/	26/2014	5	SeqNo: 5	65609	Units: %RE	с		
Analyte		Result	POI	SPK value	SPK Ref Val	%REC	I owl imit	Highl imit	%RPD	RPDI imit	Qual
Surr: DNOP	A CONTRACTOR	6.6	1 GLL	10.00	of it it is it is	66.4	57.9	140	10111 2	1.11 10 1011111	
Sample ID	LCS-13913	SamnTv	ne: LC	S	Tes	tCode: E	PA Method	8015D' Diese	al Range (Drganics	1
Client ID:	LCSS	Batch	D: 13	913	F	RunNo: 1	9522	00100.01000	. itango c	- guinoo	
Pren Date	6/26/2014	Analysis Dat	e: 6/	26/2014		SeaNo: 5	65610	Units: %RF	с		
Tiep Date.	012012014	Analysis Da	. 0/	001014	00000	NET C		UN LINE IN			0.1
Analyte		Result	PQL	SPK value	SPK Ret Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
JULI DINOP		-D.		0.000		01./	51.9	140			

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1406B24

30-Jun-14

Client: Project:	Blagg En GCU # 20	gineering 07E									
Sample ID	5ML RB	SampTyp	e: M	BLK	Tes	tCode: E	PA Method	8015D: Gas	oline Rang	je	
Client ID:	PBS	Batch ID): R1	9486	F	RunNo: 1	19486				
Prep Date:		Analysis Date	6	/25/2014	5	SeqNo: 8	564552	Units: mg/l	Kg		
Analyte		Result I	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	ND	5.0								
Surr: BFB		840		1000		84.1	80	120			
Sample ID	2.5UG GRO LCS	SampTyp	e: LC	s	Tes	tCode: E	PA Method	8015D: Gas	oline Rang	je	
Client ID:	LCSS	Batch ID	: R1	9486	F	RunNo: 1	9486				
Prep Date:		Analysis Date	6	/25/2014	5	SeqNo: 5	564553	Units: mg/l	Kg		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	25	5.0	25.00	0	101	71.7	134			
Surr: BFB		950		1000		95.2	80	120		1.1.1.1.2	100
Sample ID	1406B24-001AMS	SampTyp	e: Ms	S	Tes	tCode: E	PA Method	8015D: Gas	oline Rang	je	
Client ID:	NE - SW @ 5' (95)	Batch ID	: R1	9486	F	RunNo: 1	9486				
Prep Date:		Analysis Date	: 6	/25/2014	5	SeqNo: 5	564555	Units: mg/l	Kg		
Analyte		Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	23	4.7	23.30	0	96.9	71.8	132		1.1	1.1
Surr: BFB		950		932.0		102	80	120			
Sample ID	1406B24-001AMS	D SampType	e: Ma	SD	Tes	tCode: E	PA Method	8015D: Gase	oline Rang	je	14
Client ID:	NE - SW @ 5' (95)	Batch ID	: R1	9486	F	RunNo: 1	9486				
Prep Date:		Analysis Date	: 6/	25/2014	5	SeqNo: 5	64556	Units: mg/l	۲g		
Analyte	Section 1	Result F	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	22	4.7	23.30	0	93.1	71.8	132	4.04	20	
Surr: BFB		890		932.0		96.0	80	120	0	0	

Qualifiers:

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

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Hall	Environmental	Analysis	Laboratory,	Inc.

Client: GCU # 207E **Project:**

Blagg Engineering

Sample ID 5ML RB	Samp	уре: М	BLK	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batc	h ID: R1	9486	F	RunNo: 19486						
Prep Date:	Analysis [Date: 6/	25/2014	S	eqNo: 5	64562	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	0.91		1.000		90.7	80	120		1.1.1		
Sample ID 100NG BTEX LCS	Samp	Type: LC	s	Tes	tCode: El	PA Method	8021B: Vola	tiles			
Client ID: LCSS	Batc	h ID: R1	9486	F	RunNo: 1	9486					
Prep Date:	Analysis D	Date: 6/	25/2014	S	eqNo: 5	64563	Units: mg/M	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.1	0.050	1.000	0	106	80	120				
Toluene	1.0	0.050	1.000	0	104	80	120				
Ethylbenzene	1.0	0.050	1.000	0	104	80	120				
Vidence Total	33	0.10	3 000	0	110	80	120				
Aylenes, Total	5.5	0.10	0.000	0	110	00	120				

Qualifiers:

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

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1406B24 30-Jun-14

WO#:

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu Albu TEL: 505-345-3975 Website: www.hal	Analysi 4901 querqu FAX: 5 llenviro	s Labe Hawk e, NM 05-34	oratory kins NE 187109 S 5-4107 tal.com	am	ple Log-Ir	n Check List
Client Name: BLAGG	Work Order Number:	1406	324	10 10 - P.V		Rcp	tNo: 1
Received by/date:	06/25/14				111 -		
Logged By: Lindsay Mangin	6/25/2014 8:10:00 AM			Frenhager	Harriso		
Completed By: Lindsay Mangin	6/25/2014 8:18:12 AM			Freaky	Harro		
Reviewed By: Q S	06/25/14						
Chain of Custody							
1. Custody seals intact on sample bottles?		Yes	e =	No		Not Present	~
2. Is Chain of Custody complete?		Yes	1	No	÷.	Not Present	
3. How was the sample delivered?		Cour	ier				
login							
<u>Log m</u>			1.4		617		
4. Was an attempt made to cool the samples?		Yes	×.	NO	L. C	NA	
5. Were all samples received at a temperature	of >0° C to 6.0°C	Yes	V	No		NA	
6. Sample(s) in proper container(s)?		Yes	V.	No	8. 1		
7. Sufficient sample volume for indicated test(s)?	Yes	V	No			
8. Are samples (except VOA and ONG) property	ly preserved?	Yes	1	No	11		
9. Was preservative added to bottles?		Yes	51	No	1	NA	
10.VOA vials have zero headspace?		Yes		No	1_1	No VOA Vials	4
11. Were any sample containers received broke	en?	Yes	L.I	No	× .	# of preserved	
		V		No		bottles checke	d
(Note discrepancies on chain of custody)		res	N.	NO	1	ior pri.	(<2 or >12 unless noted)
13. Are matrices correctly identified on Chaln of	Custody?	Yes	4	No		Adjusted	?
14. Is it clear what analyses were requested?		Yes	V	No	2.1		
15. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes	1	No		Checked	by:
Special Handling (if applicable)							
16. Was client notified of all discrepancies with the	his order?	Yes	[]	No	l į	NA	~
Person Notified:	Date:		Charles galaris		understate		
By Whom:	Via:	eMa	ull -	Phone	Fax	In Person	
Regarding:		Constantions	understation			in here die bie eine eine eine	-
Client Instructions:							
17. Additional remarks:							
18 Cooler Information							
Cooler No Temp C Condition Se	al Intact Seal No S	eal Da	te	Signed E	sy		
1 2.5 Good Yes							

Page 1 of 1

Client:	BLAG	G ENGR.	/ BP AMERICA	Standard Project Name	Rush_	DAY				A	N	AL w.ha	YS	SIS	S L	A	BO	RA	ТС	R	Y
Mailing Ad	ddress:	P.O. BO	X 87	GCU # 207E				4901 Hawkins NE - Albuquerque, NM 87109													
		BLOOM	FIELD, NM 87413	Project #:				Te	1. 50	05-34	15-3	975		Fax	505	-345	-410)7			
Phone #:	-1-1	(505) 63	2-1199									A	Anal	ysis	Red	ques	st				
email or F	ax#:			Project Manag	ger:				av	-				()				1)		T	Т
QA/QC Pad Standa	QA/QC Package: Standard Level 4 (Full Validation)		Level 4 (Full Validation)		NELSON VE	ELEZ	0218)	(ylno	(OUM			1S)		PO4,SO	PCB's			ter - 300.			e
Accreditat	ion:			Sampler:	NELSON VE	LEZ av		(Gas	RO/	1)	1)	NISC		102,1	3082			/ wat			duu
		Other		On Ice:	Yes	II No		HdT	0/0	418.	504	827(O3, N	ss / 8		(A)	0.00			e sa
	Type)	1		Sample Temp	erature: Z.	5	1	+ 38	(GR(pot	pou	or	etal	CI'N	cide	A	i-VC	oil - 3		e	osit
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + WH	BTEX + MTE	TPH 8015B	TPH (Meth	EDB (Meth	PAH (8310	RCRA 8 M	Anions (F,	8081 Pesti	8260B (VC	8270 (Sem	Chloride (so	-	Grab samp	5 pt. comp
6/24/14	0957	SOIL	NE - SW @ 5' (95)	4 oz 1	Cool	-001	V		٧									V		V	
6/24/14	0958	SOIL	NE - SW @ 7' (95)	4 oz 1	Cool	-002	V		٧									V	1	V	1
						_														+	1
																			+	+	1
																			-	+	1
	-				Prove Sales			-											-	1	1
																				+	1
386.5				1.000																+	+
	12		a faire and a second					-							-					+	1
Date: /	Time:	Relinquish	ed by:	Received by:		Date Time	Ren	nark	s:		-		-		-						
6/24/14 Date:	1556 Time:	Relinquish	hulf	Christ Received by	Uceti	Date Time	Bi	LL DI	RECT ace, 2	LY TO 200 E	D BP	; gy Co	urt,	Farm	ningt	on, M	NM 8	7401			
12/24/14	1930	Chri	stu Wals	M H	- Oul	15 K (81)	W	ork C	Order	:	N15	4649	352		Pa	ykey	:	DCSO	DIGE	N1	_

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If necessary samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



July 07, 2014

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

RE: GCU 207E

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

OrderNo.: 1406D42

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 7 sample(s) on 6/28/2014 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical	Report
Lab Order 14	406D42

Hall Environmental Analysis Laboratory, Inc.

Analyses		Posult	RI Qual	Units	DF Date Analyzed
Lab ID:	1406D42-001	Matrix:	SOIL	Received Da	ate: 6/28/2014 6:45:00 AM
Project:	GCU 207E			Collection Da	ate: 6/26/2014 1:40:00 PM
CLIENT:	Blagg Engineering		(Client Sample	ID: HA-5 @ 7.1'-7.6'

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE	ORGANICS					Analyst	BCN
Diesel Range Organics (DRO)	2900	100		mg/Kg	10	7/1/2014 10:33:45 AM	13968
Surr: DNOP	0	57.9-140	S	%REC	10	7/1/2014 10:33:45 AM	13968
EPA METHOD 8015D: GASOLINE RAM	IGE					Analyst	NSB
Gasoline Range Organics (GRO)	450	25		mg/Kg	5	7/2/2014 12:47:16 AM	13966
Surr: BFB	864	80-120	S	%REC	5	7/2/2014 12:47:16 AM	13966
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.12		mg/Kg	5	7/2/2014 12:47:16 AM	13966
Toluene	ND	0.25		mg/Kg	5	7/2/2014 12:47:16 AM	13966
Ethylbenzene	ND	0.25		mg/Kg	5	7/2/2014 12:47:16 AM	13966
Xylenes, Total	2.2	0.49		mg/Kg	5	7/2/2014 12:47:16 AM	13966
Surr: 4-Bromofluorobenzene	132	80-120	S	%REC	5	7/2/2014 12:47:16 AM	13966
EPA METHOD 300.0: ANIONS						Analyst	JRR
Chloride	ND	30		mg/Kg	20	7/1/2014 12:57:17 PM	14002

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

Qualifiers:

*

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit
- Page 1 of 11

Analytical	Report	

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Lab Order 1406D42

Date Reported: 7/7/2014

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL	Qual Units	DF Date Analyzed
Lab ID: 1406D42-002		Matrix:	SOIL	Received	Date: 6/28/2014 6:45:00 AM
Project:	GCU 207E			Collection	Date: 6/26/2014 2:05:00 PM
CLIENT:	Blagg Engineering			Client Samp	ole ID: HA-6 @ 6.0'-7.2'

Analyses F	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORG	GANICS					Analyst:	BCN
Diesel Range Organics (DRO)	2200	99		mg/Kg	10	7/1/2014 11:04:35 AM	13968
Surr: DNOP	0	57.9-140	S	%REC	10	7/1/2014 11:04:35 AM	13968
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO)	530	23		mg/Kg	5	7/2/2014 1:15:53 AM	13966
Surr: BFB	883	80-120	S	%REC	5	7/2/2014 1:15:53 AM	13966
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.12		mg/Kg	5	7/2/2014 1:15:53 AM	13966
Toluene	ND	0.23		mg/Kg	5	7/2/2014 1:15:53 AM	13966
Ethylbenzene	ND	0.23		mg/Kg	5	7/2/2014 1:15:53 AM	13966
Xylenes, Total	25	0.47		mg/Kg	5	7/2/2014 1:15:53 AM	13966
Surr: 4-Bromofluorobenzene	167	80-120	S	%REC	5	7/2/2014 1:15:53 AM	13966
EPA METHOD 300.0: ANIONS						Analyst:	JRR
Chloride	ND	30		mg/Kg	20	7/1/2014 1:59:21 PM	14002

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

Qualifiers:

*

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

Page 2 of 11

Analytical Report	
Lab Order 1406D42	

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL	Oual	Units	DF Date Analyzed	Batch
Lab ID: 1406D42-003		Matrix: S	SOIL		Received	Date: 6/28/2014 6:45:00 AM	
Project:	GCU 207E				Collection	Date: 6/26/2014 2:15:00 PM	
CLIENT:	Blagg Engineering			C	lient Samp	le ID: HA-7 @ 4.0'-4.4'	

	un en sen sen sen sen sen sen sen sen sen		NO 10 CONTRACTOR			
EPA METHOD 8015D: DIESEL RANGE OR	GANICS				Analyst	BCN
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	6/30/2014 7:49:40 PM	13968
Surr: DNOP	84.5	57.9-140	%REC	1	6/30/2014 7:49:40 PM	13968
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/1/2014 5:38:09 PM	13966
Surr: BFB	96.8	80-120	%REC	1	7/1/2014 5:38:09 PM	13966
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.048	mg/Kg	1	7/1/2014 5:38:09 PM	13966
Toluene	ND	0.048	mg/Kg	1	7/1/2014 5:38:09 PM	13966
Ethylbenzene	ND	0.048	mg/Kg	1	7/1/2014 5:38:09 PM	13966
Xylenes, Total	ND	0.095	mg/Kg	1	7/1/2014 5:38:09 PM	13966
Surr: 4-Bromofluorobenzene	104	80-120	%REC	1	7/1/2014 5:38:09 PM	13966
EPA METHOD 300.0: ANIONS					Analyst	JRR
Chloride	ND	30	mg/Kg	20	7/1/2014 2:11:46 PM	14002

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

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- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2.
- RL Reporting Detection Limit
- Page 3 of 11

Analytical Report	
Lab Order 1406D42	

Hall Environmental Analysis Laboratory, Inc.

Analyses		Result	RL C	ual Units	DF Date Analyzed	Batch
Lab ID:	1406D42-004	Matrix:	SOIL	Received	Date: 6/28/2014 6:45:00 AM	í.
Project:	GCU 207E			Collection	Date: 6/26/2014 2:35:00 PM	
CLIENT:	Blagg Engineering			Client Samp	ole ID: HA-8 @ 6.6'-7.7'	

EPA METHOD 8015D: DIESEL RANGE O	RGANICS					Analyst	BCN
Diesel Range Organics (DRO)	2200	100		mg/Kg	10	7/1/2014 11:35:09 AM	13968
Surr: DNOP	0	57.9-140	S	%REC	10	7/1/2014 11:35:09 AM	13968
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	NSB
Gasoline Range Organics (GRO)	280	24		mg/Kg	5	7/2/2014 1:44:31 AM	13966
Surr: BFB	513	80-120	S	%REC	5	7/2/2014 1:44:31 AM	13966
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.12		mg/Kg	5	7/2/2014 1:44:31 AM	13966
Toluene	ND	0.24		mg/Kg	5	7/2/2014 1:44:31 AM	13966
Ethylbenzene	ND	0.24		mg/Kg	5	7/2/2014 1:44:31 AM	13966
Xylenes, Total	1.1	0.49		mg/Kg	5	7/2/2014 1:44:31 AM	13966
Surr: 4-Bromofluorobenzene	133	80-120	S	%REC	5	7/2/2014 1:44:31 AM	13966
EPA METHOD 300.0: ANIONS						Analyst	JRR
Chloride	ND	30		mg/Kg	20	7/1/2014 2:24:11 PM	14002

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

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* Value exceeds Maximum Contaminant Level.

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

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Analytica	al Report	
Lab Order	1406D42	

Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Blagg Engineering			Cli	ent Samp	e ID: HA	A-9 @ 6.0'-7.1'			
Project:	GCU 207E	Collection Date: 6/26/2014 2:57:00 PM								
Lab ID:	1406D42-005	Matrix:	SOIL		Received	Date: 6/2	28/2014 6:45:00 AM			
Analyses	in the second	Result	RL	Qual U	Jnits	DF	Date Analyzed	Batch		
EPA MET	HOD 8015D: DIESEL RANG	SE ORGANICS					Analyst	BCN		
Diesel Ra	ange Organics (DRO)	ND	9.8		mg/Kg	1	6/30/2014 8:50:21 PM	13968		
Surr: [ONOP	84.4	57.9-140		%REC	1	6/30/2014 8:50:21 PM	13968		
EPA MET	HOD 8015D: GASOLINE RA	ANGE					Analyst	NSB		
Gasoline	Range Organics (GRO)	ND	4.7		mg/Kg	1	7/1/2014 9:27:08 PM	13966		
Surr: E	3FB	92.0	80-120		%REC	1	7/1/2014 9:27:08 PM	13966		
EPA MET	HOD 8021B: VOLATILES						Analyst	NSB		
Benzene		ND	0.047		mg/Kg	1	7/1/2014 9:27:08 PM	13966		
Toluene		ND	0.047		mg/Kg	1	7/1/2014 9:27:08 PM	13966		
Ethylben	zene	ND	0.047		mg/Kg	1	7/1/2014 9:27:08 PM	13966		
Xylenes,	Total	ND	0.095		mg/Kg	1	7/1/2014 9:27:08 PM	13966		
Surr: 4	-Bromofluorobenzene	99.9	80-120		%REC	1	7/1/2014 9:27:08 PM	13966		
EPA MET	HOD 300.0: ANIONS						Analyst	JRR		
Chloride		ND	30		mg/Kg	20	7/1/2014 2:36:35 PM	14002		

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

Qualifiers:

*

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

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Analytical Report	
Lab Order 1406D42	

Hall Environmental Analysis Laboratory, Inc.

Analyses	2 10 25	Result	RL	Qual	Units	DF	Date Analyzed	Batch
Lab ID:	1406D42-006	Matrix: S	OIL		Received	Date: 6/2	28/2014 6:45:00 AM	
Project:	GCU 207E				Collection	Date: 6/2	26/2014 3:14:00 PM	
CLIENT:	Blagg Engineering	Client Sample ID: HA-10 @ 5.7'-6.4'						

EPA METHOD 8015D: DIESEL RANGE ORC	GANICS					Analyst:	BCN
Diesel Range Organics (DRO)	2900	100		mg/Kg	10	7/1/2014 12:05:39 PM	13968
Surr: DNOP	0	57.9-140	S	%REC	10	7/1/2014 12:05:39 PM	13968
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO)	560	47		mg/Kg	10	7/2/2014 2:13:07 AM	13966
Surr: BFB	608	80-120	S	%REC	10	7/2/2014 2:13:07 AM	13966
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.23		mg/Kg	10	7/2/2014 2:13:07 AM	13966
Toluene	ND	0.47		mg/Kg	10	7/2/2014 2:13:07 AM	13966
Ethylbenzene	ND	0.47		mg/Kg	10	7/2/2014 2:13:07 AM	13966
Xylenes, Total	2.1	0.93		mg/Kg	10	7/2/2014 2:13:07 AM	13966
Surr: 4-Bromofluorobenzene	138	80-120	S	%REC	10	7/2/2014 2:13:07 AM	13966
EPA METHOD 300.0: ANIONS						Analyst:	JRR
Chloride	ND	30		mg/Kg	20	7/1/2014 2:49:00 PM	14002

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

*	Value exceeds Maximum Contaminant Level.
E	Value above quantitation range
J	Analyte detected below quantitation limits
0	RSD is greater than RSDlimit
R	RPD outside accepted recovery limits

Qualifiers:

- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2. RL Reporting Detection Limit
- Page 6 of 11

Analytical Report
Lab Order 1406D42

Hall Environmental Analysis Laboratory, Inc.

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CLIENT:	Blagg Engineering			Client Sample ID: HA-11 @ 4.5'-5.2'
Project:	GCU 207E			Collection Date: 6/26/2014 3:26:00 PM
Lab ID:	1406D42-007	Matrix:	SOIL	Received Date: 6/28/2014 6:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE O	RGANICS				Analyst:	BCN
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	6/30/2014 9:51:00 PM	13968
Surr: DNOP	89.1	57.9-140	%REC	1	6/30/2014 9:51:00 PM	13968
EPA METHOD 8015D: GASOLINE RANG	E				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/1/2014 9:55:45 PM	13966
Surr: BFB	93.2	80-120	%REC	1	7/1/2014 9:55:45 PM	13966
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.048	mg/Kg	1	7/1/2014 9:55:45 PM	13966
Toluene	ND	0.048	mg/Kg	1	7/1/2014 9:55:45 PM	13966
Ethylbenzene	ND	0.048	mg/Kg	1	7/1/2014 9:55:45 PM	13966
Xylenes, Total	ND	0.097	mg/Kg	1	7/1/2014 9:55:45 PM	13966
Surr: 4-Bromofluorobenzene	101	80-120	%REC	1	7/1/2014 9:55:45 PM	13966
EPA METHOD 300.0: ANIONS					Analyst:	JRR
Chloride	ND	30	mg/Kg	20	7/1/2014 3:01:25 PM	14002

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

Qualifiers:	*	Value exceeds Maximum Contaminant Level.
	Е	Value above quantitation range
	J	Analyte detected below quantitation limits
	0	RSD is greater than RSDlimit
	R	RPD outside accepted recovery limits
	S	Spike Recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH greater than 2. RL Reporting Detection Limit
- Page 7 of 11

WO#: 1406D42

07-Jul-14

Hall	Environmental	Analysis	Laboratory,	Inc.
		~		

Client: Blagg Engineering Project: GCU 207E

Sample ID MB-14002	SampType: MBLK	TestCode: EPA Method 300.0: Anions	
Client ID: PBS	Batch ID: 14002	Runno: 19637	
Prep Date: 7/1/2014	Analysis Date: 7/1/2014	SeqNo: 569535 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5		
Sample ID LCS-14002	SampType: LCS	TestCode: EPA Method 300.0: Anions	1
Client ID: LCSS	Batch ID: 14002	RunNo: 19637	
Prep Date: 7/1/2014	Analysis Date: 7/1/2014	SeqNo: 569536 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD	RPDLimit Qual
Object de	44 45 45.00	0 024 00 110	

Qualifiers:

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

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	Hall	Environmental	Analysis	Laboratory,	Inc.
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WO#: 1406D42

07-Jul-14

Client: **Blagg Engineering Project: GCU 207E** Sample ID MB-13968 SampType: MBLK TestCode: EPA Method 8015D: Diesel Range Organics Client ID: PBS Batch ID: 13968 RunNo: 19585 Analysis Date: 6/30/2014 Prep Date: 6/30/2014 SeqNo: 567719 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte LowLimit Qual Diesel Range Organics (DRO) ND 10 Surr: DNOP 7.2 10.00 72.1 57.9 140 Sample ID LCS-13968 SampType: LCS TestCode: EPA Method 8015D: Diesel Range Organics Client ID: LCSS Batch ID: 13968 RunNo: 19585 Prep Date: 6/30/2014 Analysis Date: 6/30/2014 SeqNo: 567720 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 45 50.00 0 10 89.6 68.6 130 Surr: DNOP 3.4 5.000 68.8 57.9 140 Sample ID 1406D41-001AMS SampType: MS TestCode: EPA Method 8015D: Diesel Range Organics Client ID: BatchQC Batch ID: 13968 RunNo: 19585 Prep Date: 6/30/2014 Analysis Date: 6/30/2014 SeqNo: 567721 Units: mg/Kg %RPD RPDLimit Analyte Result POL SPK value SPK Ref Val %REC HighLimit Qual LowLimit Diesel Range Organics (DRO) 10 50.30 98.2 49 0 40.1 152 Surr: DNOP 3.6 5.030 71.4 57.9 140 Sample ID 1406D41-001AMSD SampType: MSD TestCode: EPA Method 8015D: Diesel Range Organics Client ID: BatchQC Batch ID: 13968 RunNo: 19585 Prep Date: 6/30/2014 Analysis Date: 6/30/2014 SeqNo: 567722 Units: mg/Kg Result SPK value SPK Ref Val %REC %RPD RPDLimit Analyte PQL LowLimit HighLimit Qual 56 49.95 Diesel Range Organics (DRO) 10 0 111 40.1 152 11.7 32.1 Surr: DNOP 3.9 4.995 78.8 57.9 140 0 0

Qualifiers:

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

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Hall	Envir	onmental	Ana	lysis	La	bora	tory,	Inc.
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Client: Blagg Engineering **GCU 207E Project:**

Sample ID	MB-13966	Samp	Гуре: М	BLK	Tes	tCode: E	PA Method	8015D: Gas	oline Rang	je	1.1
Client ID:	PBS	Batc	h ID: 13	966	F	RunNo: 1	9616				
Prep Date:	6/30/2014	Analysis [Date: 7	/1/2014	5	SeqNo: 5	68837	Units: mg/l	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		970		1000		97.4	80	120		1.1.1.1.1	
Sample ID	LCS-13966	Samp	Type: LC	S	Tes	tCode: E	PA Method	8015D: Gase	oline Rang	je	
Client ID:	LCSS	Batc	h ID: 13	966	F	RunNo: 1	9616				
Prep Date:	6/30/2014	Analysis [Date: 7	/1/2014	5	SeqNo: 5	68838	Units: mg/l	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qua
Gasoline Rang	e Organics (GRO)	29	5.0	25.00	0	114	71.7	134		1.1	
Surr: BFB		1100		1000		106	80	120		1.11	
Sample ID	1406D41-001AMS	SampT	Гуре: М	S	Tes	tCode: E	PA Method	8015D: Gase	oline Rang	le	
Client ID:	BatchQC	Batcl	h ID: 13	966	F	RunNo: 1	9616				
Prep Date:	6/30/2014	Analysis D	Date: 7	1/2014	5	SeqNo: 5	68844	Units: mg/H	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	32	4.9	24.53	0	130	71.8	132			
Surr: BFB	1	1200		981.4		118	80	120			
Sample ID	1406D41-001AMS	D SampT	уре: М	SD	Tes	tCode: E	PA Method	8015D: Gase	oline Rang	e	
Client ID:	BatchQC	Batch	h ID: 13	966	F	RunNo: 1	9616				
Prep Date:	6/30/2014	Analysis D	Date: 7/	1/2014	S	SeqNo: 5	68845	Units: mg/h	(g		
Analyte	La contra de la co	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	30	4.9	24.51	0	121	71.8	132	7.31	20	1
Surr: BFB		1000		980.4		104	80	120	0	0	

Qualifiers:

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

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WO#: 1406D42

07-Jul-14

Hall	Envi	ironmental	Ana	vsis	La	borat	tory,	Inc.
				-				

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

Sample ID	MB-13966	SampT	уре: М	BLK	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	PBS	Batcl	h ID: 13	966	F	RunNo: 1	9616				
Prep Date:	6/30/2014	Analysis E	Date: 7	/1/2014	5	SeqNo: 5	68870	Units: mg/l	۲g		
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								
Kylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	1.1		1.000		110	80	120		1.1	
Sample ID	LCS-13966	SampT	ype: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID:	LCSS	Batch	n ID: 13	966	F	RunNo: 1	9616				
Prep Date:	6/30/2014	Analysis D	Date: 7	/1/2014	5	SeqNo: 5	68871	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.1	0.050	1.000	0	108	80	120			100
Toluene		1.0	0.050	1.000	0	104	80	120			
Ethylbenzene		1.0	0.050	1.000	0	105	80	120			
Xylenes, Total		3.1	0.10	3.000	0	103	80	120			
Surr: 4-Brom	ofluorobenzene	1.2		1.000		118	80	120		100	
Sample ID	1406D41-002AMS	SampT	ype: M	S	Tes	tCode: E	PA Method	8021B: Vola	tiles		1.1
Client ID:	BatchQC	Batch	n ID: 13	966	F	RunNo: 1	9616				
Prep Date:	6/30/2014	Analysis D	ate: 7	1/2014	5	SeqNo: 5	68878	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.1	0.050	0.9940	0	111	77.4	142			
Toluene		1.1	0.050	0.9940	0.007807	108	77	132			
Ethylbenzene		1.1	0.050	0.9940	0	110	77.6	134			
Vulanas Tatal		3.3	0.099	2.982	0.01174	110	77.4	132			
Ayleries, Total		1 1		0 9940		112	80	120			

Sample ID	1406D41-002AMS	D SampT	ype: MS	SD	TestCode: EPA Method 8021B: Volatiles							
Client ID:	BatchQC	Batch	ID: 13	966	F	RunNo: 1	9616					
Prep Date:	6/30/2014	Analysis D	ate: 7/	1/2014	5	SeqNo: 5	68879	Units: mg/M	(g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.1	1.2	0.050	0.9970	0	117	77.4	142	5.34	20		
Toluene		1.1	0.050	0.9970	0.007807	112	77	132	3.98	20		
Ethylbenzene		1.2	0.050	0.9970	0	115	77.6	134	4.90	20		
Xylenes, Total		3.4	0.10	2.991	0.01174	114	77.4	132	3.48	20		
Surr: 4-Brom	nofluorobenzene	1.1		0.9970		112	80	120	0	0		

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits S
- Analyte detected in the associated Method Blank В
- Η Holding times for preparation or analysis exceeded

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- ND Not Detected at the Reporting Limit
- Р Sample pH greater than 2.
- RL Reporting Detection Limit

WO#: 1406D42

07-Jul-14

HALL Hall Environmental ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345 Website: yvy	ental Analysis 4901 Albuquerque 3975 FAX: 50 w.hallenviror	Laborator Hawkins N NM 8710 15-345-410 mental.com	se Samp	Sample Log-In Check List					
Client Name: BLAGG Work Order Num	nber: 1406D	42		RcptNo	: 1				
Received by/date:		4 444 4 14							
Logged By: Lindsay Mangin 6/28/2014 6:45:00	AM	(Junety Harton						
Completed By: Lindsay Mangin 6/28/2014 9:21:19	AM	L	Analy Harton						
Reviewed By: A 06/30/14		C	/ / / /						
Chain of Custody									
1 Custody seals intact on sample bottles?	Yes	1	No	Not Present V					
2. Is Chain of Custody complete?	Yes	~	No	Not Present					
3 How was the sample delivered?	Courie	er							
	ovan	4							
Log In									
4. 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	V.	No	NA					
6. Sample(s) in proper container(s)?	Yes	V.	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 🗸	# of preserved					
12. Does paperwork match bottle labels?	Yes	1	No	for pH:					
(Note discrepancies on chain of custody)				(<2	or >12 unless noted)				
13. Are matrices correctly identified on Chain of Custody?	Yes	V	No	Adjusted /					
14. Is it clear what analyses were requested?	Yes	×.	No	Checked by					
(If no, notify customer for authorization.)	Yes	¥.	NO						
Special Handling (if applicable)									
16. Was client notified of all discrepancies with this order?	Yes		No	NA 🗸					
Person Notified: Date	e:	and the second							
By Whom: Via:	e Mai	Pho	ne Fax	In Person					
Regarding:	L _ strain			and the second second second					
Client Instructions:									
17 Additional remarks:				2 A					
10. Auditional remarks:									

 Cooler No
 Temp °C
 Condition
 Seal Intact
 Seal No
 Seal Date
 Signed By

 1
 2.2
 Good
 Yes
 Image: Signed By
 Image: Signe: Signed By
 Image: Signed By

Page 1 of 1

С	hain-	of-Cu	stody Record	Turn-Around	Time:	BY WED JULY 2, 2014				ь	A	LL	E	NV	IF	20	NN	1E	NT	AL	
Client:	BIAG	ENG	HUEERWG INC	□ Standard	Rush					A	N	AL	YS	SIS	5 L	AE	30	RA	TO	R	1
T	ZP	A	A A	Project Name	:	Carlos and and					www	v hal	lenv	iron	nent	al co	m	-			
Mailing	Address:	P.O.	Box 07	60	U 20	D7E		490	01 Ha	awki	ns N	IE -	Alb	uque	erqu	e, NI	M 87	109			
T	BLOOM	FIELD	NM 87413	Project #:				Те	1. 50	5-34	5-39	975	F	ax	505-	345-	4107	7			
Phone #	1: 50	5-3	20-1183								1	A	naly	/sis	Req	uest	-				
email or	Fax#:		-	Project Mana	ger:		-	uly)	ê					04)							
QA/QC F	ackage:			J.	BLAGE		3021	IS OI	唐		-	ŝ		4"S(CB's						
Stan	dard		Level 4 (Full Validation)				3) 5	(Ga	S			SIM		PO,	2 PC						
Accredit	tation			Sampler:	I. BLAG			H	0/	,	(1.	023		NO2	808						Î
	AP	□ Othe	r	On Ice:	Yes	E No	Ŧ	+	SRO	418	504	or 82	s	40 ³ ,	/ S8		(YO	W			o
	(Type)_			Sample Lemp	perature:	<u> </u>		TBE	B (0	Por	pou	10 0	leta	CI'N	icide	(YC	>-iu	el D.			S (Y
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX LAN	3TEX + M	FPH 8015	TPH (Meth	EDB (Meth	AH's (83	RCRA 8 N	Anions (F,	3081 Pest	3260B (VC	3270 (Sen	CHLO			Air Bubble
126/14	1340	SOIL	HA-5 @ 7.1-7.6	402×1	Copt	-001	X	-	X		-	-	-		~		~	X		1	T
u	1405	ι(HA-60.6.0-7.2	- 11	4	-002	X		X	-								×			
"	1415	1(HA-704.0'-4.4'	ι(1(-003	×		x									×	× .		
1(1435	ų	HA-8C 6.6-7.7'	1(ų	-004	×		×					-	-			x			
v	1457	4	HA-9C6.0-7.1	ч	u	-005	X		×									×			
и	1514	ч	HA-1005.7'-6.4'	1(ч	-006	X		X									x			
N	1526	11	HA-11@ 4.5-5.2	ų	ıl	-007	×		×									×		-	
																			-	+	-
																					-
Date:	Time:	Relinquish	ed by:	Received by:		Date Time	Rei	nark	s: T	211	F	D.	-		-	1					
27/14	1300	fel	1 Blogg	DI	A.	DUTS/14 ALL	45		F	AV	KE	1.	2	N	e	0.					
Date:	Time:	Reinquist	ied by:	Received by:		Date Time			1	010	ter	t:	7	EF	-D	Pa	GE Act	N	L		

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

June 28, 2016

Jeff Blagg Blagg Engineering P. O. Box 87 Bloomfield, NM 87413 TEL: (505) 632-1199 FAX (505) 632-3903

RE: GCU 207E

OrderNo.: 1606A50

Dear Jeff Blagg:

Hall Environmental Analysis Laboratory received 5 sample(s) on 6/17/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report	
Lab Order 1606A50	

Date Reported: 6/28/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering Client Sample ID: HA-101(4.0'-6.0') Project: GCU 207E Lab ID: 1606A50-001 Matrix: SOIL Result PQL Qual Units DF Date Analyzed

	and a second second	-	-		A LANDAUX		
EPA METHOD 300.0: ANIONS						Analys	LGT
Chloride	ND	30		mg/Kg	20	6/22/2016 11:40:09 PM	26020
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS	6				Analyst	JME
Diesel Range Organics (DRO)	770	9.6		mg/Kg	1	6/23/2016 2:29:52 PM	25944
Surr: DNOP	101	70-130		%Rec	1	6/23/2016 2:29:52 PM	25944
EPA METHOD 8015D: GASOLINE RANG	E					Analyst	RAA
Gasoline Range Organics (GRO)	21	9.9		mg/Kg	2	6/25/2016 6:53:02 PM	25945
Surr: BFB	201	80-120	S	%Rec	2	6/25/2016 6:53:02 PM	25945
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.050		mg/Kg	2	6/25/2016 6:53:02 PM	25945
Toluene	ND	0.099		mg/Kg	2	6/25/2016 6:53:02 PM	25945
Ethylbenzene	ND	0.099		mg/Kg	2	6/25/2016 6:53:02 PM	25945
Xylenes, Total	ND	0.20		mg/Kg	2	6/25/2016 6:53:02 PM	25945
Surr: 4-Bromofluorobenzene	97.9	80-120		%Rec	2	6/25/2016 6:53:02 PM	25945

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
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report	
Lab Order 1606A50	

Date Reported: 6/28/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

1606A50-002

Project: GCU 207E

Lab ID:

Client Sample ID: HA-102(5.0'-6.9') Collection Date: 6/16/2016 9:47:00 AM Matrix: SOIL Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	LGT
Chloride	ND	30		mg/Kg	20	6/23/2016 12:42:13 AM	26020
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS					Analyst	JME
Diesel Range Organics (DRO)	390	9.3		mg/Kg	1	6/23/2016 3:19:43 PM	25944
Surr: DNOP	104	70-130		%Rec	1	6/23/2016 3:19:43 PM	25944
EPA METHOD 8015D: GASOLINE RAN	IGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/25/2016 5:41:18 AM	25945
Surr: BFB	131	80-120	S	%Rec	1	6/25/2016 5:41:18 AM	25945
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.025		mg/Kg	1	6/25/2016 5:41:18 AM	25945
Toluene	ND	0.050		mg/Kg	1	6/25/2016 5:41:18 AM	25945
Ethylbenzene	ND	0.050		mg/Kg	1	6/25/2016 5:41:18 AM	25945
Xylenes, Total	ND	0.099		mg/Kg	1	6/25/2016 5:41:18 AM	25945
Surr: 4-Bromofluorobenzene	96.7	80-120		%Rec	1	6/25/2016 5:41:18 AM	25945

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

Qualifiers:

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- 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 2 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report					
Lab Order 1606A50					
Date Reported: 6/28/2016					

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering

GCU 207E

1606A50-003

Project:

Lab ID:

Client Sample ID: HA-103(5.4'-7.3') Collection Date: 6/16/2016 10:03:00 AM Received Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL (Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	LGT
Chloride	ND	30		mg/Kg	20	6/23/2016 12:54:38 AM	26020
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS					Analyst:	JME
Diesel Range Organics (DRO)	390	9.6		mg/Kg	1	6/23/2016 4:03:12 PM	25944
Surr: DNOP	99.7	70-130		%Rec	1	6/23/2016 4:03:12 PM	25944
EPA METHOD 8015D: GASOLINE RAI	NGE					Analyst:	RAA
Gasoline Range Organics (GRO)	40	4.8		mg/Kg	1	6/25/2016 6:04:44 AM	25945
Surr: BFB	706	80-120	S	%Rec	1	6/25/2016 6:04:44 AM	25945
EPA METHOD 8021B: VOLATILES						Analyst:	RAA
Benzene	ND	0.024		mg/Kg	1	6/25/2016 6:04:44 AM	25945
Toluene	ND	0.048		mg/Kg	1	6/25/2016 6:04:44 AM	25945
Ethylbenzene	ND	0.048		mg/Kg	1	6/25/2016 6:04:44 AM	25945
Xylenes, Total	0.12	0.096		mg/Kg	1	6/25/2016 6:04:44 AM	25945
Surr: 4-Bromofluorobenzene	113	80-120		%Rec	1	6/25/2016 6:04:44 AM	25945

Matrix: SOIL

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
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical Report
Lab Order 1606A50
Date Reported: 6/28/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg EngineeringClient Sample ID: HA-104(5.0'-5.8')Project:GCU 207ELab ID:1606A50-004Matrix: SOILReceived Date: 6/17/2016 7:45:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	ND	30	mg/Kg	20	6/23/2016 1:07:02 AM	26020
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	3			Analyst	JME
Diesel Range Organics (DRO)	65	9.6	mg/Kg	1	6/23/2016 3:14:10 PM	25944
Surr: DNOP	99.6	70-130	%Rec	1	6/23/2016 3:14:10 PM	25944
EPA METHOD 8015D: GASOLINE RAI	NGE				Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/25/2016 6:28:13 AM	25945
Surr: BFB	115	80-120	%Rec	1	6/25/2016 6:28:13 AM	25945
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	6/25/2016 6:28:13 AM	25945
Toluene	ND	0.048	mg/Kg	1	6/25/2016 6:28:13 AM	25945
Ethylbenzene	ND	0.048	mg/Kg	1	6/25/2016 6:28:13 AM	25945
Xylenes, Total	ND	0.096	mg/Kg	1	6/25/2016 6:28:13 AM	25945
Surr: 4-Bromofluorobenzene	94.7	80-120	%Rec	1	6/25/2016 6:28:13 AM	25945

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

Qualifiers:

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- 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 4 of 9
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Analytical	Report
Lab Order 1	606A50

Date Reported: 6/28/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Blagg Engineering Client Sample ID: HA-105(5.7'-7.1') Project: GCU 207E Lab ID: 1606A50-005 Matrix: SOIL Received Date: 6/17/2016 7:45:00 AM Analyses Result PQL Qual Units DF Date Analyzed Batch

EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	ND	30	mg/Kg	20	6/23/2016 1:19:27 AM	26020
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS	6			Analyst	JME
Diesel Range Organics (DRO)	540	9.6	mg/Kg	1	6/23/2016 2:33:06 PM	25944
Surr: DNOP	108	70-130	%Rec	1	6/23/2016 2:33:06 PM	25944
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/25/2016 6:51:41 AM	25945
Surr: BFB	104	80-120	%Rec	1	6/25/2016 6:51:41 AM	25945
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	6/25/2016 6:51:41 AM	25945
Toluene	ND	0.048	mg/Kg	1	6/25/2016 6:51:41 AM	25945
Ethylbenzene	ND	0.048	mg/Kg	1	6/25/2016 6:51:41 AM	25945
Xylenes, Total	ND	0.096	mg/Kg	1	6/25/2016 6:51:41 AM	25945
Surr: 4-Bromofluorobenzene	94.5	80-120	%Rec	1	6/25/2016 6:51:41 AM	25945

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

Qualifiers:

*

- Value exceeds Maximum Contaminant Level.
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- 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 9
- 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#: 1606A50

28-Jun-16

Client:	Blagg Engineering
Project:	GCU 207E

Sample ID MB-26020	SampType: MBLK	TestCode: EPA Method 300.0: Anions	EPA Method 300.0: Anions											
Client ID: PBS	Batch ID: 26020	RunNo: 35114												
Prep Date: 6/22/2016	Analysis Date: 6/22/2016	SeqNo: 1086467 Units: mg/Kg												
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD	RPDLimit Qual											
Chloride	ND 1.5													
Sample ID LCS-26020	SampType: LCS	TestCode: EPA Method 300.0: Anions												
Client ID: LCSS	Batch ID: 26020	RunNo: 35114												
Prep Date: 6/22/2016	Analysis Date: 6/22/2016	SeqNo: 1086468 Units: mg/Kg												
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD	RPDLimit Qual											
Chloride	14 1.5 15.00	0 94.2 90 110	1.											

Qualifiers:

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

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Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

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

Sample ID MB-25944	SampTyp	pe: ME	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS Batch ID: 25944 RunNo: 35116										
Prep Date: 6/20/2016	Analysis Dat	te: 6/	23/2016	5	SeqNo: 1	086562	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Surr: DNOP	8.8		10.00		88.1	70	130		Sec. 2. 3	
Sample ID LCS-25944	SampTyp	pe: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch I	D: 25	944	F	RunNo: 3	5116				
Prep Date: 6/20/2016	Analysis Dat	te: 6/	23/2016	S	SeqNo: 1	086657	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
iesel Range Organics (DRO)	38	10	50.00	0	75.2	62.6	124		1	62.5
Surr: DNOP	4.4		5.000		87.1	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- 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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

1606A50 28-Jun-16

WO#:

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Hall Environmental Analysis Laboratory, Inc.

WO#: 1606A50

28-Jun-16

Client: Blagg E Project: GCU 20	Ingineering D7E	
Sample ID MB-25945	SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range	
Client ID: PBS	Batch ID: 25945 RunNo: 35048	
Prep Date: 6/20/2016	Analysis Date: 6/21/2016 SeqNo: 1084262 Units: mg/Kg	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Q	ual
Gasoline Range Organics (GRO)	ND 5.0	
Surr: BFB	1100 1000 105 80 120	
Sample ID LCS-25945 C	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 25945 RunNo: 35048	
Prep Date:	Analysis Date: 6/21/2016 SeqNo: 1084263 Units: mg/Kg	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Q	ual
Gasoline Range Organics (GRO)	25 5.0 25.00 0 99.4 80 120	
Surr: BFB	1200 1000 117 80 120	
Sample ID 5ML-RB	SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range	1.50
Client ID: PBS	Batch ID: R35158 RunNo: 35158	
Prep Date:	Analysis Date: 6/24/2016 SeqNo: 1087655 Units: %Rec	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Q	ual
Surr: BFB	970 1000 97.3 80 120	
Sample ID 2.5NG GRO LCS	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range	
Client ID: LCSS	Batch ID: R35158 RunNo: 35158	
Prep Date:	Analysis Date: 6/24/2016 SeqNo: 1088007 Units: %Rec	
Analyte	Result POL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit O	ual
Surr: BFB	1100 1000 113 80 120	Grun
Sample ID LCS-26055	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range	
Client ID: LCSS	Batch ID: 26055 RunNo: 35174	
Prep Date: 6/24/2016	Analysis Date: 6/25/2016 SegNo: 1088117 Units: %Rec	
Analyte	Popult DOL SPK value SPK Def Val % DEC Low imit High imit % DDD DDD imit O	ual
Sur: BFB	1100 1000 107 80 120	uai
		_
Sample ID MB-26055	SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range	
Client ID: PBS	Batch ID: 26055 RunNo: 35174	
Prep Date: 6/24/2016	Analysis Date: 6/25/2016 SeqNo: 1088118 Units: %Rec	
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	ual
SUIT BEB	974 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
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- 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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Hall Environmental Analysis Laboratory, Inc.

WO#: 1606A50

28-Jun-16

Client:	Blagg Engineering	
Project:	GCU 207E	

Sample ID LCS-25945	SampType: LCS TestCode: EPA Method 8021B: Vo	SampType: LCS TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 25945 RunNo: 35158									
Prep Date: 6/20/2016	Analysis Date: 6/24/2016 SeqNo: 1088034 Units: m	g/Kg								
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLim	it %RPD RPDLimit Qual								
Benzene	0.99 0.025 1.000 0 98.7 75.3 12	3								
Toluene	0.98 0.050 1.000 0 98.1 80 12	4								
Ethylbenzene	1.0 0.050 1.000 0 100 82.8 12	1								
Xylenes, Total	3.0 0.10 3.000 0 99.4 83.9 12	2								
Surr: 4-Bromofluorobenzene	1.0 1.000 101 80 12	0								
Sample ID MB-25945	SampType: MBLK TestCode: EPA Method 8021B: Vo	platiles								
Client ID: PBS	Batch ID: 25945 RunNo: 35158									
Prep Date: 6/20/2016	Analysis Date: 6/25/2016 SeqNo: 1088035 Units: m	g/Kg								
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimi	it %RPD RPDLimit Qual								
Benzene	ND 0.025									
Toluene	ND 0.050									
Ethylbenzene	ND 0.050									
Xylenes, Total	ND 0.10									
Surr: 4-Bromofluorobenzene	0.95 1.000 95.4 80 120	0								
Sample ID LCS-26055	SampType: LCS TestCode: EPA Method 8021B: Vo	platiles								
Client ID: LCSS	Batch ID: 26055 RunNo: 35174									
Prep Date: 6/24/2016	Analysis Date: 6/25/2016 SeqNo: 1088135 Units: %	Rec								
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimi	it %RPD RPDLimit Qual								
Surr: 4-Bromofluorobenzene	0.99 1.000 98.6 80 120	D								
Sample ID MB-26055	SampType: MBLK TestCode: EPA Method 8021B: Vo	platiles								
Client ID: PBS	Batch ID: 26055 RunNo: 35174									
Prep Date: 6/24/2016	Analysis Date: 6/25/2016 SeqNo: 1088136 Units: %	Rec								
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimi	it %RPD RPDLimit Qual								
Surr: 4-Bromofluorobenzene	0.94 1.000 94.4 80 120	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
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified
- arde above quantitation range
- Page 9 of 9

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental Albu TEL: 505-345-3975 Website: www.ha	Analysis Lab 4901 Haw querque, NM FAX: 505-34 llenvironmen	oratory kins NE 4 87109 15-4107 tal.com	nple Log-In Ch	eck List
Client Name: BLAGG	Work Order Number:	1606A50		RcptNo: 1	
Received by/date: AT	06/17/16		- Sindar Haber	Ø	
	0/11/2010 1.40.00 AM				1.1.1
Reviewed By:	0 6/20/16		Junaby Marting		
Chain of Custody	1 - 110				
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?	7	Yes 🛃	No 🗌	NA 🗌	
5. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🛃	No 🗌		
6. Sample(s) in proper container(s)?		Yes 🛃	No 🗌		
7 Sufficient sample volume for indicated test(12	Yes	No 🗌		
8 Are samples (except VOA and ONG) proper	iv 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 broke	en?	Yes 🗌	No 🛃	# of preserved	
12.Does paperwork match bottle labels?		Yes 🐼	No 🗆	for pH:	
(Note discrepancies on chain of custody)				(<2 or	>12 unless noted
13. Are matrices correctly identified on Chain of	Custody?	Yes	No L	Aujustou	
14. Is it clear what analyses were requested?		Yes M		Checked by:	
(If no, notify customer for authorization.)		tes Mer		chould by	
Special Handling (if applicable)					
16. Was client notified of all discrepancies with	this order?	Yes	No 🗌	NA 🜌	
Person Notified:	Date:			1	
By Whom:	Via:	eMail	Phone T Fax	[] In Person	
Regarding:					
Client Instructions:					
17. Additional remarks:				1	
18. Cooler Information		Coal Data	0 classed D	1	
Covier No Temp C Condition S	Bai maci Seal NO S	bear Date	Signed By	-	

Chain-of-Custody Record		Turn-Around Time:						-	10		E	MM	TE	20		AF	NT	10			
ient:	BPA	MERIC	A	Standard	C Rush	12 1 1 1 1 1 1 1			E	-		AL	YS	ITS	S L	AF	30	RA	TC	R	1.
-	RIAL.	F. Kar	NECRIAN.	Project Name: GCU ZO7E			www.hallenvironmental.com 4901 Hawkins NE - Albuguergue, NM 87109														
ailing	Address	:																			
•			A SHORE SHOW	Project #:				Tel. 505-345-3975 Fax 505-345-4107													
ione #: 505-320-1183			20-1183				Analysis Request													7	
nail o	nail or Fax#:			Project Mana	ger:		s s														
VQC Package: Standard Level 4 (Full Validation)		J.	BLAGG		s (8021	(Gas ol	30 / 班	-		(SIMS)		-	PO4,S(PCB's							
credi	creditation		Sampler: J	. BLAGE		ALD.	Hd	DF	=	=	202		NO2	8082						2	
NEL	AP	□ Othe	er	On Ice:	XYes ,	P No	R	+	SRO	418.	504	or 82	s	10 ₃ ,1	SS / 8		(YO)				or
)ate	Time	Matrix	Sample Request ID	Container	Preservative Type	HEAL No.	EX + MEBI	EX + MTBE	H 8015B (C	H (Method	3 (Method	1's (8310 d	RA 8 Meta	ons (F,CI,N	1 Pesticide	OB (VOA)	0 (Semi-V	CHLORIDE			Bubbles (Y
						1606A50	BTE	BTE	TPH	TPF	EDI	PAI	RC	Ani	808	826	827				Air
2016	0936	SOIL	HA-101(4.0-6.0')	4 OZXI	COOL	-001	×		x									×			
ſ	0947	ų	HA-102 (5.0-6.9')	1(ы 	-002	X		x									x			
1	1003	11	HA-103(5.4-7.3)	И	C1	-003	X		×									×			
[1016	14	HA-104(5.0'-5.8')	ч	ц	-004	X		×					-				x			
(1027	11	HA-105(5.7'-7.1')	14	1	-205	×		×									x			
				-																	
				0				5													
ite:	Time: 1415 Time:	Relinquist	ned by: Blogg	Received by:	nA	Date Time OG/17/16 Date Time	Rei	mark	s:	Bi	VID	BP ACT	: s VD	RIN	NE N	nos WE	CAL	1			

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.