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

State of New Mexico Energy Minerals and Natural Resources

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

Release Notification and Corrective Action

OPERATOR

NMOCD

D

NVF1115934984

2

JUL 17 2018

Initial Report

Form C-141 Revised April 3, 2017

Final Report

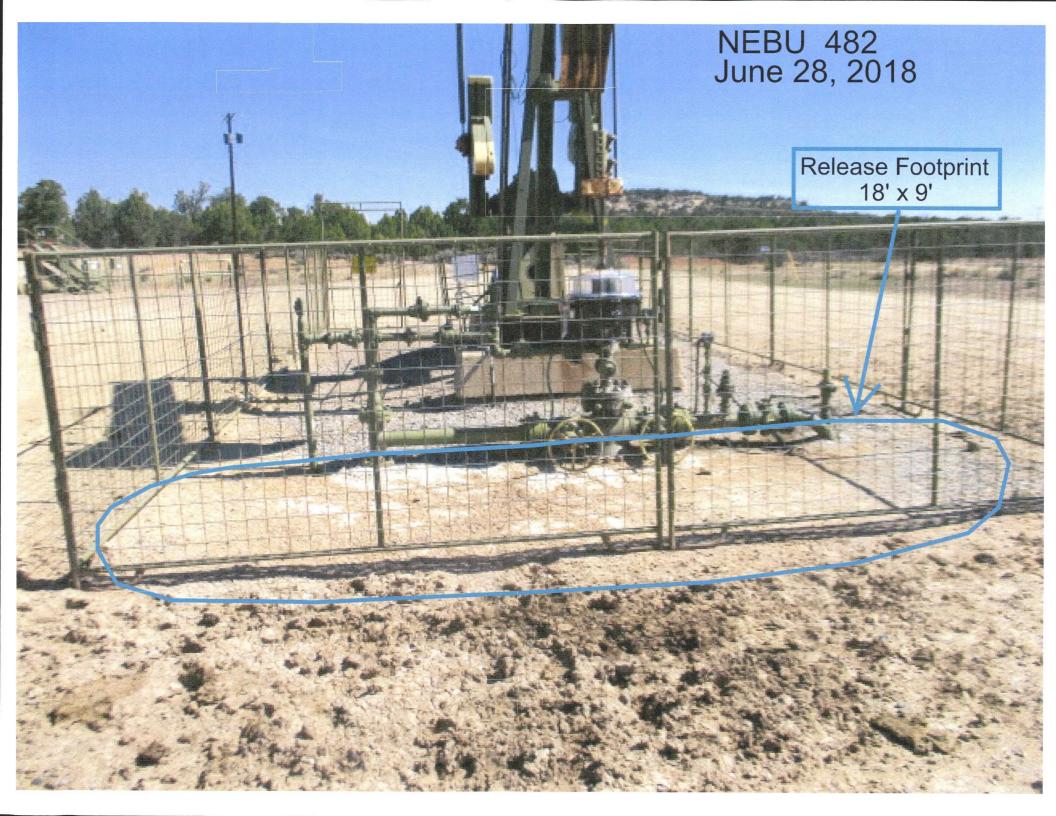
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Name of Company: BP America Production Co.						Contact: Steve Moskal					
Address: 38	Address: 380 Airport Road, Durango, CO 81303						Telephone No.: 505-330-9179				
Facility Nan	ne: Northe	east Blanco U	Jnit 482]	Facility Type: Natural Gas Well					
S. f. a Ora	Telev	- 1		Mineral C		Cadaval			A DI M-	. 20 045 27592	
Surface Own	ner: Feder	a1		Nineral C	Jwner: I	Federal			API NO.	: 30-045-27582	
				LOCA	TION	N OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the	North/South Line Feet from the East/West Line County				~		
М	15	31N	07W	890	South		790	West		San Juan	
Latitude <u>36.89483382°</u> L					Lo	ngitude	<u>-107.5639186°</u>		N	AD83	
				NAT	URE	OF RELI	EASE				
Type of Relea							Release – 9.0 bbl			ecovered – 3.0 bbls	
Source of Rel	lease – wel	lhead gasket					lour of Occurrenc			Hour of Discovery – May 19,	
Was Immedia	ta Natiaa (Tiwan?				Unknown If YES, To	Whom?		2016; 1:15	PM	
was mineura	ate Notice (Yes	No 🛛 Not Re	equired	11 1 1 5, 10	whom?				
By Whom?						Date and H					
Was a Watero	course Read					If YES, Volume Impacting the Watercourse.					
			Yes 🛛	No							
If a Watercou	irse was Im	pacted, Descr	ibe Fully.*	c							
Describe Cau were tightened		em and Reme	dial Action	n Taken.* Produ	ction tech	h arrived onsit	te to find the ring g	asket leal	king from t	ne wellhead. The flange bolts	
Describe Are	a Affected	and Cleanup A									
		confined to the	e bermed a	rea. The area was	s raked w	with a gypsun	n amendment. So	oil sampl	es indicate	no further action is required	
with a site ran	nking of 0.										
I hereby certi	fy that the	information gi	ven above	is true and comp	lete to th	ne best of my	knowledge and u	nderstand	d that purs	uant to NMOCD rules and	
regulations al	ll operators	are required to	o report ar	d/or file certain r	elease n	otifications an	nd perform correc	tive actio	ons for rele	ases which may endanger	
										eve the operator of liability	
										, surface water, human health ompliance with any other	
		ws and/or regu			report d		e the operator of i	csponsie		impliance with any other	
	21		-				OIL CONS	SERV2	TION	DIVISION	
G [*]	Abre	SMU	-)				(0			
Signature:			-						5		
Printed Name	e: Steve Mo	oskal				Approved by	Environmental S	pecialist:	10	ee_	
Title: Enviror	nmental Co	ordinator				Approval Dat	te: 7/19/1	¥ E	xpiration I	Date:	
							1 1				
E-mail Addre	ess: steven.	moskal@bpx.c	<u>epm</u>			Conditions of	f Approval:			Attached	

Phone: 505-330-9179 Date: July 12, 2018

* Attach Additional Sheets If Necessary

CUENT BP BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87433 AF# 30-045-27582_ TWK ID FIELD REPORT: (cold escing) 60100000000000000000000000000000000000					1	Networks
PICLU KCPUK1: WATER RELEASE SAMPLING PAGE #: of	CUENT: <u>BP</u>	P.O. BOX 87, BLO	OMFIELD, NM 874	13	TANKID	582
GUADANTE M. SEC. 15. TWP. 31N RND TW PM. NM. CMTY. 5.7 ST. NM. DRE FINSHED G/28/2018 114 - HAROTOTAGE 370 F5L x. 710 FWL LEASE #N. 03356 PROD. FORMATION. FC. CONTRACTOR DREERVLISTATE (FEE INDUM.) BMRCHARMENN. REFERENCE POINT: WeLL HERDOWIN GRS COORD. 36, 87471 x. 107.56473. GLED: 6, 543. 9.	FIELD REPORT:				PAGE #. of	
GUADANT M SEC IS TWO 3IN RNG 7W PM NM CMTY ST R.M. 144 - HARCOTTAGE 8/0 FSL × 7/0 FWL LEASE # LEASE # TYL DESCRIPTION LEASE # MARCOTTAGE 8/0 FSL × 7/0 FWL MARCOTTAGE 8/0 FSL × 7/0 FSL × 7/0 FWL MARCOTTAGE 8/0 FSL × 7/0 FSL	SITE INFORMATION	STENAME: NEBU	482		DATE STARTED: 6/28	2018
114-144F00TAGE 8'R0 FSL x 740 FWL LEASE IN M 03356 PROD. FORMATION: FC CONTRACTOR ENVIRONMENTAL 126.82 #. NM 03356 PROD. FORMATION: FC CONTRACTOR SCH133 GEURISTON JCB 19 GPS COORD:	QUAD/UNIT: M SEC: 15 TWP.			NM		1
LEASE #. NM 03356 PROD FORMATION FC CONTRACTOR	1/4-1/4/FOOTAGE: 890 FSL × 7	90 FWL LEASE TYPE:	FEDERAL / STATE / FEE / IM	IDIAN	ENVIRONMENTAL	
1)	LEASE # NM 03356	PROD. FORMATION: FC CONTR	ACTOR:		SPECIALIST(S): JC	B
2)	REFERENCE POINT	WELL HEAD (W/H.) GPS COO	RD: 36.89471 X	107.51	6473 GLELEV: 6,5	543
3)	1)	GPS COORD .:		DISTANCE/BEA	RING FROM W.H.:	
4) OPE 000RD: DISINCEREMING PROMINE SAMPLING DATA: OWNOT CLETCON RECORDS & CRUALED: HALL Integer 2012 1) SMALED: S-PE C. 6 SWINDT CLETCON RECORDS & CRUALED: HALL Integer 2012 3) SMALED: SWINDT SWINDT SWINDT TPL/ETEV/CL S.2. 3) SMALED: SWINDT SWINDT SWINDT SWINDT SWINDT 4) SMALED: SWINDT SWINDT SWINDT SWINDT SWINDT 5) SMALED: SWINDT SWINDT SWINDT SWINDT SWINDT 5) SMALED: SWINDT SWINDT SWINDT SWINDT SWINDT SWINDT 5) SOLCOLOR: TAM SWINDT S	2)	GPS COORD .:		DISTANCEBEA	RING FROM W.H.:	
SAMPLING DATA: OWN OF CUSTODY RECORDS # OR LABUSED HALL #0.000 1) SAMPLE ID: SWELDRE G/28/2018 SWELTE 1015 UNAWYDE TPL/BTEX/CL S.Z. 2) SAMPLE ID: SWELDRE SWELDRE SWELTE UNAWYDE SWELTE UNAWYDE 3) SAMPLE ID: SWELDRE SWELTE UNAWYDE UNAWYDE SWELTE UNAWYDE 3) SAMPLE ID: SWELTE SWELTE UNAWYDE UNAWYDE UNAWYDE SWELTE UNAWYDE 3) SAMPLE ID: SWELTE SWELTE UNAWYDE UNAWYDE UNAWYDE SWELTE UNAWYDE SWELTE UNAWYDE SWELTE UNAWYDE UNAWYDE SWELTE UNAWYDE UNAWYDE <th>3)</th> <td>GPS COORD .:</td> <td></td> <td>DISTANCEBEA</td> <td>RING FROM W.H.:</td> <td></td>	3)	GPS COORD .:		DISTANCEBEA	RING FROM W.H.:	
SAMPLEING DATA: OWN OF CUSTOD RECORDS & GLAB USD: HALL PECARE 1) SAMPLEID: SWELDRE: (28/20/8) SWELERE: (015) URWAYDS TRI/EDE//CL. Sz.2. 2) SMPLEID: SWELDRE: SWELDRE: SWELDRE: URWAYDS Sz.2. 3) SMPLEID: SWELDRE: SWELDRE: URWAYDS INAMPLEID: SWELDRE: URWAYDS 3) SMPLEID: SWELDRE: SWELDRE: SWELDRE: URWAYDS INAMPLEID: SWELDRE: INAMPLEID: SWELDRE: INAMPLEID: INAMPLEID: <td< th=""><th>4)</th><th> GPS COORD.:</th><th></th><th>DISTANCE/BEA</th><th>RING FROM WH.:</th><th>OVA4</th></td<>	4)	GPS COORD.:		DISTANCE/BEA	RING FROM WH.:	OVA4
2) SAMPLE IC SMILE DIC SMILE DIC 3) SAMPLE IC SMILE DIC SMILE DIC SOIL DICSCRIPTION: SOIL TY EMPLOY SMILE DIC SOIL COLOR: TAX PARTIE DIC DIAMINE DIC SOIL COLOR: TAX PARTIE DIC PARTIE DIC SOIL DICE DESCRIPTION: PARTIE DIC PARTIE DIC PARTIE DIC SOIL DICE DIC SOIL DICE DIC PARTIE DIC PARTIE DIC PARTIE DIC SOIL INFORMER PARTIE DIC PARTIE DIC PARTIE DIC						(ppm)
3) SAMPLE ID. SMITLE IDE SMITLE IDE SMITLE IDE SMITLE IDE 4) SMARLE ID. SMITLE IDE SMITLE IDE SMITLE IDE SMITLE IDE 5) SOLL OLESCRIPTION: SOLL TYPE: SAND SELT SAND SELT / SUND VALUE / SUND / SUND VALUE / SUND VALUE / SUND / SUND VALUE / SUND / / SUND / / SUND / SUND / / / / /	1) SAMPLE ID: 5-Pt @ 6"	SAMPLE DATE: 6/28/2018	3 sampletime: 1015 Labawalys	is TPH/	BTEX/CL	5.2
4) SAMPLE ID: JUNE DIE JUNE THE UNIMUSE SOIL DESCRIPTION: Soil TYPE SND GITY SAND GITY SAND CAT / GAV/ GAV/ GAVEL/OTHER PASITOTY CLAY, CAN / GAVEL / OTHER PASITOTY CLAY, CAN / GAVEL / OTHER COSSIGNED TO SERVE (JUNTY ODEST): DO BERNE HIGH YOORSING CARS & SUITS, SOT / FRANK STIFF / VERY STIFF	2) SAMPLE 1D:	SAMPLE DATE:	SAMPLETIME: LAB ANALYS	B		
SOIL DESCRIPTION: soit type: swot (sitt's subt can't can' can' can' can' can' can' can' can'	3) SAMPLE ID:					
SOLL COLOR: TA/ COLESSIN(LLORERS; NON COLESSIE (SUGTLY COLESSIE (INCLUSING COLESSIE)) SOFT (INTRO VERTISES (INCLUSING COLESSIE)) SOFT (INTRO VERTISES (INCLUSING COLESSIE)) SOFT (INTRO VERTISES) SO				all we have not set to be		
SITE SKETCH BGT Located : off / on site PLOT PLAN circle: attached OWI CAUB READ = $(QO, 7, pm)$ N IME LO2D @pm DATE $b/28/12$ N IME LO2D @pm DATE $b/28/12$ N IME CO2D @pm DATE $b/28/12$ N Release Footprint (18' × 9') N Image: CO2D Appr. date(s): OCD Appr. date(s): OCD Appr. date(s): OCD Appr. date(s): OCD Appr. date(s): OCD Appr. date(s): OCD Appr. date(s): Image: CO2D Appr. date(s): OCD Appr. date(s): OCD Appr. date(s): OCD Appr. date(s): OCD Appr. date(s): OCD Appr. date(s): Image: CO2D Appr. date(s): OCD Appr. date(s): Image: CO3D Appr. date(s): O	MOISTURE DRY/SLIGHTLY MOIST MOIST / W SAMPLE TYPE: GRAB COMPOSITE I DISCOLORATION/STAINING OBSERVED. (ES) N SITE OBSERVATION APPARENT EVIDENCE OF A RELEASE OBSERVE EQUIPMENT SET OVER RECLAIMED AREA: OTHER: <u>SPREAD</u> 40 # G	ET / SATURATED / SUPER SATURATED OF PTS. <u>5</u> ANY. NO EXPLANATION - <u>Very Minuck</u> IS: LOST INTEGRITY OF EQUIPMENT (TES) EDANDOR OCCURRED: (TES) NO EXPLANATION YES (NO EXPLANATION - (DS. O VEV Release Area	AREAS DISPLAYING WETNESS: YES / WHITE CRUST IND EXPLANATION - Welthead ON: Very Munor white After Sampling	NO EXPLA L GASK Stain C	ET (SWCZ Repaired) M Grand	
$\begin{array}{c} \begin{array}{c} \hline \\ \hline $	and the second	EAREST WATER SOURCE: ≥ 1000 Ne	EAREST SURFACE WATER >100	D_NMO	CO TPH CLOSURE STD: 5,00	O ppm
TB = TANK BOTTON, PBGTL = PREVIOUS BELOW GRADE TANK LOCATION; SPD = SAMPLE POINT DESIGNATION; R.W. = RETAINING WALL; NA- NOT APPLICABLE OR NOT AVAILABLE: SW -SINGLE WALL; SD = SINGLE BOTTON; DB -DOUBLE BOTTON; DB -		JACK K	Perimeter Fence Release Foutpri (18' × 9')		ICALIB GAS= <u>(0)-0</u> pro- E 10 20 mpm DATE <u>b</u> MISCELL. NOT WO: WO: WO: WO: WO: WO: WO: WO:	ES
	T.B. = TANK BOTTOM; PBGTL = PREVIOUS BE APPLICABLE OR NOT AVAILABLE; SW - SINGL	.OW-GRADE TANK LOCATION; SPD = SAMPLE POINT D EWALL: DW-DOUBLE WALL: SB - SINGLE BOTTOM; D	IESIGNATION; R.W. = RETAINING WALL; NA- 18 - DOUBLE BOTTOM	NOT		
		6/2 1/2018	ONSITE: $6/28/2018$		DEHA	SE COLO



HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

July 11, 2018

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

RE: NEBU 482

OrderNo.: 1806H61

Dear Steven Moskal:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/29/2018 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 qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report	
Lab Order 1806H61	
Date Reported: 7/11/	2018

Hall Environmental Analysis Laboratory, Inc.

Lab ID:

CLIENT: Blagg Engineering Client Sample ID: Spill 5-pt Comp.@6 Project: NEBU 482 Collection Date: 6/28/2018 10:15:00 AM 1806H61-001 Received Date: 6/29/2018 8:00:00 AM Matrix: SOIL

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	520	30	mg/Kg	20	7/9/2018 12:03:52 PM	39097
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst	Irm
Diesel Range Organics (DRO)	230	10	mg/Kg	1	7/2/2018 5:20:34 PM	38981
Motor Oil Range Organics (MRO)	610	50	mg/Kg	1	7/2/2018 5:20:34 PM	38981
Surr: DNOP	111	70-130	%Rec	1	7/2/2018 5:20:34 PM	38981
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/2/2018 10:55:52 AM	38979
Surr: BFB	90.2	15-316	%Rec	1	7/2/2018 10:55:52 AM	38979
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	7/2/2018 10:55:52 AM	38979
Toluene	ND	0.049	mg/Kg	1	7/2/2018 10:55:52 AM	38979
Ethylbenzene	ND	0.049	mg/Kg	1	7/2/2018 10:55:52 AM	38979
Xylenes, Total	0.12	0.098	mg/Kg	1	7/2/2018 10:55:52 AM	38979
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	7/2/2018 10:55:52 AM	38979

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 Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits Page 1 of 5
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range
	PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Client: Blagg Engineering Project: NEBU 482

Sample ID MB-39097	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 39097	RunNo: 52563		
Prep Date: 7/9/2018	Analysis Date: 7/9/2018	SeqNo: 1724219	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID LCS-39097	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 39097	RunNo: 52563		
Prep Date: 7/9/2018	Analysis Date: 7/9/2018	SeqNo: 1724220	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 91.8 90	110	

Qualifiers:

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

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1806H61 11-Jul-18

WO#:

Blagg I NEBU	Engineering 482			
981	SampType:	MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics	
	Batch ID:	38981	RunNo: 52397	
2018	Analysis Date:	7/2/2018	SeqNo: 1719410 Units: mg/Kg	

Prep Date: 6/29/2018	Analysis D	ate: 7/	2/2018	S	SeqNo: 1	719410	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	70	130			
Sample ID LCS-38981	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: 38	981	F	RunNo: 5	2397				
Prep Date: 6/29/2018	Analysis D	ate: 7/	2/2018	5	SeqNo: 1	719411	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.9	70	130			
Surr: DNOP	4.7		5.000		94.2	70	130			

Qualifiers:

Client:

Project:

Client ID:

Sample ID MB-38981

PBS

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

Page 3 of 5

11-Jul-18

WO#: **1806H61**

Client: Blagg Engineering **Project: NEBU 482**

Sample ID MB-38979	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 38979			F	RunNo: 52429					
Prep Date: 6/29/2018	Analysis D	ate: 7/	2/2018	5	SeqNo: 1	718661	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		94.5	15	316			
00000	000		1000		04.0	10	010			
Sample ID LCS-38979		ype: LC		Tes			8015D: Gaso	line Rang	e	
	SampT	ype: LC	S			PA Method		line Rang	e	
Sample ID LCS-38979	SampT	n ID: 38	S 979	F	tCode: El	PA Method 2429		0	e	
Sample ID LCS-38979 Client ID: LCSS	SampT Batch	n ID: 38	S 979 2/2018	F	tCode: El RunNo: 5	PA Method 2429	8015D: Gaso	0	e RPDLimit	Qual
Sample ID LCS-38979 Client ID: LCSS Prep Date: 6/29/2018	SampT Batch Analysis D	n ID: 389 Pate: 7/	S 979 2/2018	F	tCode: El RunNo: 5 SeqNo: 1	PA Method 2429 718662	8015D: Gaso Units: mg/K	(g		Qual

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
- PQL Practical Quanitative Limit
- 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
- Р Sample pH Not In Range
- Reporting Detection Limit RL
- W Sample container temperature is out of limit as specified

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WO#: 1806H61

11-Jul-18

482

Client: Blagg Engineering

Project:	NEBU

				- All and the state of the state of the						
Sample ID MB-38979	SampT	SampType: MBLK TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch	n ID: 38	979	RunNo: 52429						
Prep Date: 6/29/2018	Analysis D	ate: 7/	2/2018	S	eqNo: 1	718709	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			
Sample ID LCS-38979	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batch	n ID: 38	979	F	RunNo: 5	2429				
Prep Date: 6/29/2018	Analysis D	Date: 7/	2/2018	S	eqNo: 1	718710	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.3	77.3	128			
Toluene	0.98	0.050	1.000	0	97.6	79.2	125			
Ethylbenzene	0.98	0.050	1.000	0	97.6	80.7	127			
Xylenes, Total	3.0	0.10	3.000	0	99.3	81.6	129			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Qualifiers:

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

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WO#: **1806H61** *11-Jul-18*

HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-345-3975	4901 Hawkins NE Iquerque, NM 87109	Sam	nple Log-In Cl	neck List
Client Name: BLAGG	Work Order Number:	1806H61		RcptNo:	1
Received By: Anne Thorne Completed By: Isaiah Ortiz	6/29/2018 8:00:00 AM 6/29/2018 8:44:48 AM		Anne Ar- I Corr	~	
Reviewed By: 506 29.18 LB: MW UZ	29/18				à
Chain of Custody 1. Is Chain of Custody complete?		Yes 🖌	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
Log In 3. Was an attempt made to cool the samples?	,	Yes 🗸	No 🗌	NA 🗌	
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🗹	No 🗌	NA	
5. Sample(s) in proper container(s)?		Yes 🖌	No 🗌		
6. Sufficient sample volume for indicated test(s	3)?	Yes ⊻	No 🗌		
7. Are samples (except VOA and ONG) proper	ly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?		Yes	No 🗹	NA 🗌	
9. VOA vials have zero headspace?		Yes	No 🗌	No VOA Vials 🔽	
10. Were any sample containers received broke	en?	Yes 🗌	No 🗹	# of preserved	-0/18
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	bottles checked for pH:	te unless noted)
12. Are matrices correctly identified on Chain of	Custody?	Yes 🔽	No 🗌	W dusted?	
13. Is it clear what analyses were requested?		Yes 🗹	No 🗌	1	
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No	Checked by:	
Special Handling (if applicable)					
15. Was client notified of all discrepancies with	this order?	Yes	No 🗌	NA 🗹	
Person Notified:	Date:	Bestelen anderen andere	1		
By Whom:	Via:	eMail 📋 Phon	e 🗌 Fax	In Person	
Regarding:					
Client Instructions:			a na m- mana ana amin' amin		
16. Additional remarks:					
17. <u>Cooler Information</u> Cooler No Temp °C Condition S 1 1.3 Good Ye	AND REAL PROPERTY AND ADDRESS OF A DREAM AND ADDREAM AND AND ADDREAM AND ADDREA	eal Date Sig	ined By	×	

Chain-of-Custody Record				Turn-Around Time:												~~				-	í
Client: BP AMERICA				Standard				ANALYSIS LABORATORY													
BLAGE ENGINEERING INC.				Standard Rush Project Name:				www.hallenvironmental.com													
Mailing Address:				NEBU 482																	
				Project #:				4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107													
Phone #: 505-320 - 1(93				-				16	9. 90	10-34	+0-3	1. S.		and the second s		-345 Jues	State of the local division of the local div	(
email or Fax#:				Project Manager:				ly)	Ô												
QA/QC Package: Standard □ Level 4 (Full Validation)				STEVE MOSKAL				TPH (Gas on	O / MR			SIMS)		PO4,SO	PCB's						
Accreditation NELAP Other				Sampler: JEFF BLAGG On los: VYes INO				+ TPH (RO / DF	18.1)	04.1)	8270 S		03,NO2,	/ 8082		(A)				or N)
EDD (Type)				Sample Temperature 23-CF-10=13				BE	(GF	d 4	od 5	0 or	etals	I,NC	ides	8	NO/-				Z
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO ₃ ,NO ₂ ,PO ₄ ,SO ₄)	8081 Pesticides / 8082 PCB'	8260B (VOA)	8270 (Semi-VOA)	CHURIDE			Air Bubbles (Y or N)
1.8/w.7	1015	SOIL	SPILL 5-pt comp. @6"	402×1	COOL	-001	Х		χ									X			
																					2
																				1	
					_														-	1	
																				-	
																			-	+	
Date:	Time: 1553	Relinquish	by: J Blagg	Received by: Date Time				Remarks: BILL BP CONTACT: STEVE MOSKAL													
Date: Time: Relinquished by:			Received by: Date Time																		
4/20/18 1754 Anite Dals			Am Julia					U	ISE	6	ENE	RA		20	•						

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.