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State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised April 3, 2017

Submit 1 Copy to appropriate Dist accordance with 19.1	trict Office in 5.29 NMAC.
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Release Notification and Corrective Action													
						OPERA	TOR		Initi	al Report	\boxtimes	Final Report	
Name of Co	mpany: B	P America P	roduction	n Co.		Contact: Ste	eve Moskal						
Address: 38	0 Airport	Road, Duran	go, CO 8	1303		Telephone 1	No.: 505-330-91	79		-			
Facility Nat	ne: Northe	east Blanco I	Jnit 482			Facility Type: Natural Gas Well							
Surface Ow	ner: Feder	al		Mineral (Owner:	Federal			API No	o.: 30-045-2	27582		
				LOCA	ATIO	N OF RE	LEASE						
Unit Letter M	Section	Township 31N	Range 07W	Feet from the 890	North	/South Line	Feet from the 790	East/V West	Vest Line	County San Juan			
	1	Latitude	36.89483	382°	L	ongitude	-107.5639186°		N	VAD83			
				NAT	TIDE	OF DEL	FASE						
Type of Rele	ase – Produ	ced water		INAI	UNE	Volume of	Release -9.0 bbl	s	Volume F	Recovered -	3.0 bb	ls	
Source of Re	lease – well	lhead gasket				Date and H	Hour of Occurrence	e -	Date and	Hour of Dis	covery	– May 19,	
						Unknown			2016; 1:1	5 PM			
Was Immedi	ate Notice (Given?	Yes] No 🛛 Not R	equired	If YES, To	Whom?						
By Whom?						Date and H	Iour						
Was a Water	course Read	ched?				If YES, Vo	olume Impacting t	he Wate	rcourse.				
			Yes 🛛	No		a roo, romane impacting the tracecourse.							
If a Watercon	irse was Im	pacted, Descr	ibe Fully.'	k									
Describe Cau were tightene	ise of Probl	em and Reme	dial Actio	n Taken.* Produ	ction te	ch arrived onsi	te to find the ring g	asket lea	king from	the wellhead.	The fla	ange bolts	
Describe Are	a Affected	and Cleanup A	Action Tal	cen.*									
The released with a site ra	water was on water was on water was water was water water water was water was water was was was was was was wa	confined to the	e bermed a	area. The area was	s raked	with a gypsur	n amendment. So	oil samp	les indicate	e no further a	action i	s required	
I hereby cert	fy that the i	nformation gi	ven above	is true and comp	lete to	the best of my	knowledge and u	nderstan	id that purs	suant to NM	OCD ri	ules and	
public health	or the envir	are required to	acceptant	C = 0 f a C - 141 reported to the contract of a C - 141 reported to	ort by th	notifications a	arked as "Final R	eport" de	ons for reli	eases which	may er	liability	
should their of	perations h	ave failed to a	idequately	investigate and r	emedia	te contaminati	on that pose a three	eat to gr	ound water	r, surface wa	ter, hu	man health	
or the enviro	nment. In a	ddition, NMC	CD accep	otance of a C-141	report o	does not reliev	e the operator of r	responsi	bility for c	ompliance w	ith any	other	
federal, state	or local lay	ws and/or regu	ilations.										
	M	MI					OIL CONS	SERV	ATION	DIVISIC)N		
Signature:	Alle	Strand	0				(\cap					
Printed Name	e: Steve Mo	skal				Approved by	Environmental S	ecialist			~		
Title: Enviro	nmental Co	ordinator				Approval Da		F	Expiration				
E mail A d l	and atomas	naskal@hr				Conditions of America							
E-man Addre	ss. <u>steven.r</u>	105Kal(<i>a</i> ,0pX.(<u>pin</u>			Conditions of	Approval:			Attached			
Date: July 12	, 2018	Phon	e: 505-330)-9179			1						
Attach Addi	tional Shee	ets If Necess	ary			N	FULL	92	Ugen	L			
							ind s	1.2	112				

NMOCD Jul 1 3 2018 District III

FIELD REPORT:	CONFRONTION / RE WATER RELEASE	SAMIPLING		PAGE #: of
SITE INFORMATION:	SITENAME: NEBU	482		DATE STARTED: 6/28/2011
QUAD/UNIT: M SEC: 15 TWP.	31N RNG TW PME M	IM CNTY: 5J ST.	NM	DATE FINISHED: 6/28/201
1/4-1/4/FOOTAGE: 890 FSL × 79	O FWL LEASE TYP	E FEDERAL/STATE/FEE/	NDIAN	ENVIRONMENTAL
LEASE # NM 03356 P	ROD. FORMATION: FC CONT	TRACTOR:		specialist(s): JCB
REFERENCE POINT:	WELL HEAD (W.H.) GPS CC	DORD: 36.89471 X	107.56	6473 GLELEV: 6,543
1)	GPS COORD.:		DISTANCE/BEA	RING FROM WH:
2)	GPS COORD .:		DISTANCE/BEA	RING FROM WHL:
3)	GPS COORD .:		DISTANCEBEA	RING FROM WEH.:
4)	GPS COORD .:		DISTANCEBEA	RING FROM WEH .:
SAMPLING DATA:	CHAIN OF CUSTODY RECORD(S) # OR L	AB USED: HALL		OVM READIN (0000)
1) SAMPLE ID: 5-Pt@6"	SAMPLE DATE: 6/28/20	18 SAMPLETIME 1015 LABANALY	SIS: TPH/	BTEX/CL 5.2
2) SAMPLE ID:	SAMPLE DATE:	SAMPLETIME: LABANAEY	SIS:	
3) SAMPLE ID:	SAMPLE DAVE	SAMPLETINE: LAB ANALY	SS:	
4) SAMPLE ID:	SAMPLE DATE:	SAMPLETINE: LABAWACY	915	
SOIL DESCRIPTION:	SOIL TYPE: SAND SILTY SAND SILT	/ SILTY CLAY / CLAY / GRAVEL / OTHE	R	
SOIL COLOR: TAN	PL	ASTICITY (CLAYS): NON PLASTIC / SLIGHT	LY PLASTIC/O	OHESIVE / MEDIUM PLASTIC / HIGHLY PLAST
COHESION (ALL OTHERS): NON COHESIVE (SUGHTLY O	XOHESIVE COHESIVE / HIGHLY COHESIVE DE	INSITY (COHESIVE CLAYS & SILTS):	OFT/FIRM/	STIFF / VERY STIFF / HARD
CONSISTENCY (NON COHESIVE SOILS): LOC MOISTURE DRY / SUGHTLY MOIST / MOIST / WE	ISE FIRM DENSE / VERY DENSE HC	ODOR DETECTED: YES (NO) EXPLAN	TION	
SAMPLE TYPE: GRAB (COMPOSITE) #	OF PTS. 5	Y AREAS DISPLAYING WETNESS: YES	NO EXPLAN	VATION -
DISCOLORATIONSTAINING OBSERVED. (TES) NO	EXPLANATION - VERY MINOR	WHITE CRUST		
SITE OBSERVATION	S: LOST INTEGRITY OF EQUIPMENT (YE	SYNO EXPLANATION - Welthea	l GASKI	ET (SINCE Repaired)
APPARENT EVIDENCE OF A RELEASE OBSERVED	AND/OR OCCURRED (15) NO EXPLANA	TION: Very MUNDE White	Stain 0	n Grand
OTHER SPREAD 40 # Gy	sum over Release Arec	a After Sampling		
	10	Y DE a Franker		
DEPTH TO GROUNDWATER > 100 ME	AREST WATER SOLINCE: $> i(\mathcal{N})$	NEAREST SURFACE WATER ≥ 100	(7 NMOC	DTPHCLOSURESTD 5000 n
SITE SKETCH	GT I ocated : off / on site			
	No Localda . On 7 On Site		CITES OVM	CALIB READ = 100.7 ppm $RF = 0.2$
	XX	1		CALLE GAS = 100.0 prime
1	* 5 *			MISCELL. NOTES
		Perimeter	W	10:
		Fence	P	0 <i>\$</i> :
	* K .		P	
		Rolonce Entry		ermit date(s):
2	TATA	(18'x 9')	0	CD Appr. date(s):
	and the first			OVM = Organic Vapor Meter pom = parts per million
				BGT Sidewalls Visible: Y / N
				BGT Sidewalls Visible: Y / N
NOTES: BGT = BELOWGRADE TANK; ED. = EXCAVATION	DEPRESSION, B.G. = BELOW GRADE, B = BELOW	K, T.H. = TEST HOLE; ~= APPROK; W.H. = WE	LHEAD,	BGT Sidewalls Visible: Y / N
APPLICABLE OR NOT AVAILABLE SW-SINGLE	NALL: DW-DOUBLEWALL: SB-SINGLE BOITOM	DESIGNATION, R.W. = HETAINING WALL; NA (DB-DOUBLE BOTTOM	NUI	lagnetic declination: 10°E
NOTES:	6/27/2018	ONSITE: 6/28/2018	}	
revised: 11/26/13				BE11005E-6.5





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

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

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,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

CLIENT: Blagg Engineering Client Sample ID: Spill 5-pt Comp.@6 Project: NEBU 482 Collection Date: 6/28/2018 10:15:00 AM Lab ID: 1806H61-001 Matrix: SOIL Received Date: 6/29/2018 8:00:00 AM Analyses Result PQL Qual Units DF Date Analyzed Batch EPA METHOD 300.0: ANIONS	Hall Environmental Analysis	Laboratory,	Inc.			Date Reported: 7/11/20	18					
AnalysesResultPQLQualUnitsDFDate AnalyzedBatchEPA METHOD 300.0: ANIONS52030mg/Kg207/9/2018 12:03:52 PM39097Chloride52030mg/Kg207/9/2018 12:03:52 PM39097EPA METHOD 8015M/D: DIESEL RANGE ORGANICSVVAnalystIrmDiesel Range Organics (DRO)23010mg/Kg17/2/2018 5:20:34 PM38981Motor Oil Range Organics (MRO)61050mg/Kg17/2/2018 5:20:34 PM38981Surr: DNOP11170-130%Rec17/2/2018 5:20:34 PM38981BepA METHOD 8015D: GASOLINE RANGEVVMalystMs899Surr: BFB90.215-316%Rec17/2/2018 10:55:52 AM38979Surr: BFB90.215-316%Rec17/2/2018 10:55:52 AM38979BenzeneND0.025mg/Kg17/2/2018 10:55:52 AM38979TolueneND0.049mg/Kg17/2/2018 10:55:52 AM38979KilybenzeneND0.049mg/Kg17/2/2018 10:55:52 AM38979Kylenes, Total0.120.098mg/Kg17/2/2018 10:55:52 AM38979	CLIENT: Blagg Engineering Client Sample ID: Spill 5-pt Comp.@6 Project: NEBU 482 Collection Date: 6/28/2018 10:15:00 AM Lab ID: 1806H61-001 Matrix: SOIL Received Date: 6/29/2018 8:00:00 AM											
EPA METHOD 300.0: ANIONS Analysi MRA Chloride 520 30 mg/Kg 20 7/9/2018 12:03:52 PM 30907 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Xanalysi Im 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 Xanalysi Magettee Magettee Magettee Magettee 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 Xanalysi Magettee Magettee 1 7/2/2018 10:55:52 AM 38979 Benzene ND 0.049 mg/Kg 1 7/2/2018 10:55:52 AM 38979 Toluene ND 0.049 mg/Kg 1 7/2/2	Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch					
Ander Stande Organics (DRO) 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 Terre Terre 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 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	EPA METHOD 300.0: ANIONS Chloride	520	30	mg/Kg	20	Analyst 7/9/2018 12:03:52 PM	MRA 39097					
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 7/2/2018 5:20:34 PM 38981 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 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	EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	Irm					
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 Toluene 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	Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	230 610 111	10 50 70-130	mg/Kg mg/Kg %Rec	1 1 1	7/2/2018 5:20:34 PM 7/2/2018 5:20:34 PM 7/2/2018 5:20:34 PM	38981 38981 38981					
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 Fried State	EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB					
EPA METHOD 8021B: VOLATILES ND 0.025 mg/Kg 1 7/2/2018 10:55:52 AM 38979 Benzene ND 0.049 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	Gasoline Range Organics (GRO) Surr: BFB	ND 90.2	4.9 15-316	mg/Kg %Rec	1 1	7/2/2018 10:55:52 AM 7/2/2018 10:55:52 AM	38979 38979					
BenzeneND0.025mg/Kg17/2/2018 10:55:52 AM38979TolueneND0.049mg/Kg17/2/2018 10:55:52 AM38979EthylbenzeneND0.049mg/Kg17/2/2018 10:55:52 AM38979Xylenes, Total0.120.098mg/Kg17/2/2018 10:55:52 AM38979	EPA METHOD 8021B: VOLATILES					Analyst	NSB					
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	Benzene Toluene	ND ND	0.025 0.049	mg/Kg mg/Kg	1 1	7/2/2018 10:55:52 AM 7/2/2018 10:55:52 AM	38979 38979					
Surr: 4 Bromofluorobenzene 102 80.120 % Dec 1 7/2/2018 10:55:52 AM 38070	Ethylbenzene Xylenes, Total	ND 0.12	0.049 0.098	mg/Kg mg/Kg	1 1 1	7/2/2018 10:55:52 AM 7/2/2018 10:55:52 AM	38979 38979 38979					

Analytical Report Lab Order 1806H61

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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	Е	Value above quantitation range
	Η	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

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

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				
	1 800 B 0-0				
Sample ID LCS-39097	SampType: Ics	TestCode: EPA Method	300.0: Anions		
Sample ID LCS-39097 Client ID: LCSS	SampType: Ics Batch ID: 39097	TestCode: EPA Method RunNo: 52563	300.0: Anions		
Sample ID LCS-39097 Client ID: LCSS Prep Date: 7/9/2018	SampType: Ics Batch ID: 39097 Analysis Date: 7/9/2018	TestCode: EPA Method RunNo: 52563 SeqNo: 1724220	300.0: Anions Units: mg/Kg		
Sample ID LCS-39097 Client ID: LCSS Prep Date: 7/9/2018 Analyte	SampType: I cs Batch ID: 39097 Analysis Date: 7/9/2018 Result PQL SPK value	TestCode: EPA Method RunNo: 52563 SeqNo: 1724220 SPK Ref Val %REC LowLimit	300.0: Anions Units: mg/Kg HighLimit %RPD	RPDLimit Qual	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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#:

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WO#: 1806H61

11-Jul-18

Client:	Blagg En	gineering									
Project:	NEBU 48	32									
Sample ID MB-3	38981	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS		Batcl	h ID: 38	981	F	RunNo: 5	2397				
Prep Date: 6/29	9/2018	Analysis E	Date: 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 Organic	cs (DRO)	ND	10								
Motor Oil Range Orga	anics (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: Di	esel Rang	e Organics	
Client ID: LCSS	S	Batch	n ID: 38	981	F	RunNo: 5	2397				
Prep Date: 6/29	9/2018	Analysis E)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 Organic	cs (DRO)	47	10	50.00	0	93.9	70	130			
Surr: DNOP		4.7		5.000		94.2	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- В Analyte detected in the associated Method Blank
- Value above quantitation range Е
- 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

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:Blagg EngineeringProject:NEBU 482

Sample ID MB-38979	Samp	Type: ME	BLK	Tes	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batc	h ID: 38	979	F	RunNo: 5	No: 52429							
Prep Date: 6/29/2018	Analysis E	Date: 7/	2/2018	S	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						
Sample ID LCS-38979	Samp1	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e				
Sample ID LCS-38979 Client ID: LCSS	Samp1 Batcl	Type: LC	S 979	Tes R	tCode: El RunNo: 5	PA Method 2429	8015D: Gaso	oline Rang	e				
Sample ID LCS-38979 Client ID: LCSS Prep Date: 6/29/2018	Samp1 Batcl Analysis D	Type: LC h ID: 389 Date: 7/	S 979 2/2018	Tes F S	tCode: El RunNo: 5 SeqNo: 1	PA Method 2429 718662	8015D: Gaso Units: mg/F	oline Rang	e				
Sample ID LCS-38979 Client ID: LCSS Prep Date: 6/29/2018 Analyte	SampT Batcl Analysis E Result	Type: LC h ID: 38 Date: 7 / PQL	S 979 2/2018 SPK value	Tes F S SPK Ref Val	tCode: El RunNo: 5 SeqNo: 1 %REC	PA Method 2429 718662 LowLimit	8015D: Gaso Units: mg/k HighLimit	oline Rang Kg %RPD	e RPDLimit	Qual			
Sample ID LCS-38979 Client ID: LCSS Prep Date: 6/29/2018 Analyte Gasoline Range Organics (GRO)	SampT Batcl Analysis E Result 26	Fype: LC h ID: 389 Date: 7/ PQL 5.0	S 979 2/2018 SPK value 25.00	Tes F S SPK Ref Val 0	tCode: El RunNo: 5 SeqNo: 1 %REC 103	PA Method 2429 718662 LowLimit 75.9	8015D: Gaso Units: mg/k HighLimit 131	oline Rang Kg %RPD	e RPDLimit	Qual			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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

Client: Blagg Engineering

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Project: NEBU 482

Sample ID MB-38979	Samp	ype: ME	BLK	Tes	tCode: El					
Client ID: PBS	Batc	h ID: 38	979	F	RunNo: 5					
Prep Date: 6/29/2018	Analysis E	Date: 7/	2/2018	5	SeqNo: 1					
Analista	Deput	DOI	CDK volue	SDK Dof Vol		Loud imit	Light imit	% PPD	DDD imit	Qual
Analyte	Result	PQL	SPR Value	SFK KEI VAI	70REC	LOWLIIIII	HIGHLIIIII	/0RFD	REDLIIIII	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	ND 0.10 1.1 1.000				106	80	120			
Sample ID LCS-38979	Samp	ype: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Sample ID LCS-38979 Client ID: LCSS	Samp] Batc	ype: LC	S 979	Tes	tCode: EF	PA Method 2429	8021B: Volat	iles		
Sample ID LCS-38979 Client ID: LCSS Prep Date: 6/29/2018	Samp Batc Analysis [ype: LC h ID: 389 Date: 7/2	S 979 2/2018	Tes F S	tCode: EF RunNo: 52 SeqNo: 1	PA Method 2429 718710	8021B: Volat Units: mg/K	iles g		
Sample ID LCS-38979 Client ID: LCSS Prep Date: 6/29/2018 Analyte	Samp Batc Analysis I Result	Type: LC n ID: 38 Date: 7 PQL	S 979 2/2018 SPK value	Tes F S SPK Ref Val	tCode: EF RunNo: 52 SeqNo: 1 %REC	PA Method 2429 718710 LowLimit	8021B: Volat Units: mg/K HighLimit	iles g %RPD	RPDLimit	Qual
Sample ID LCS-38979 Client ID: LCSS Prep Date: 6/29/2018 Analyte Benzene	Samp Batc Analysis I Result 0.95	Type: LC h ID: 389 Date: 7/2 PQL 0.025	S 979 2/2018 SPK value 1.000	Tes F S SPK Ref Val 0	tCode: EF RunNo: 52 SeqNo: 1 %REC 95.3	PA Method 2429 718710 LowLimit 77.3	8021B: Volat Units: mg/K HighLimit 128	iles g %RPD	RPDLimit	Qual
Sample ID LCS-38979 Client ID: LCSS Prep Date: 6/29/2018 Analyte Benzene Toluene	Samp Batc Analysis I Result 0.95 0.98	Type: LC h ID: 389 Date: 7/ PQL 0.025 0.050	S 979 2/2018 SPK value 1.000 1.000	Tes F S SPK Ref Val 0 0	tCode: EF RunNo: 5; BeqNo: 1 %REC 95.3 97.6	PA Method 2429 718710 LowLimit 77.3 79.2	8021B: Volat Units: mg/K HighLimit 128 125	iles g %RPD	RPDLimit	Qual
Sample ID LCS-38979 Client ID: LCSS Prep Date: 6/29/2018 Analyte Benzene Toluene Ethylbenzene	Samp Batcl Analysis E Result 0.95 0.98 0.98	ype: LC h ID: 389 Date: 7/2 PQL 0.025 0.050 0.050	S 979 2/2018 SPK value 1.000 1.000 1.000	Tes F S SPK Ref Val 0 0 0 0	tCode: EF RunNo: 5 SeqNo: 1 %REC 95.3 97.6 97.6	PA Method 2429 718710 LowLimit 77.3 79.2 80.7	8021B: Volat Units: mg/K HighLimit 128 125 127	iles g %RPD	RPDLimit	Qual
Sample ID LCS-38979 Client ID: LCSS Prep Date: 6/29/2018 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Samp Batcl Analysis E Result 0.95 0.98 0.98 3.0	Type: LC h ID: 389 Date: 7/2 0.025 0.025 0.050 0.050 0.10	S 979 2/2018 SPK value 1.000 1.000 1.000 3.000	Tes F SPK Ref Val 0 0 0 0 0 0	tCode: EF RunNo: 52 SeqNo: 13 %REC 95.3 97.6 97.6 99.3	PA Method 2429 718710 LowLimit 77.3 79.2 80.7 81.6	8021B: Volat Units: mg/K HighLimit 128 125 127 129	iles g %RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- 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	Hall Environme TEL: 505-345-3 Website: www	ntal Analysis Labora 4901 Hawkins Albuquerque, NM 87 1975 FAX: 505-345-4 w.hallenvironmental.e	tory NE 109 San 107 com	nple Log-In C	heck List
Client Name: BLAGG	Work Order Num	ber: 1806H61		RcptNo:	1
			n Ne		
Received By: Anne Thorne	6/29/2018 8:00:00	AM	Clone She	~	
Completed By: Isaiah Ortiz	6/29/2018 8:44:48	AM	IG	-	
B: MW	6129/18			ж	÷
Chain of Custody					
1. Is Chain of Custody complete	?	Yes 🗹	No 🗌	Not Present	
2. How was the sample delivered	d?	Courier			
Log In		_	_	_	
3. Was an attempt made to cool	the samples?	Yes 🖌	No 🛄	NA	
4. Were all samples received at a	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 in	idicated test(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and	ONG) properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bot	itles?	Yes	No 🗹	NA 🗌	
9. VOA vials have zero headspace	xe?	Yes	No 🗌	No VOA Vials 🗹	
10. Were any sample containers r	eceived broken?	Yes	No 🗹	# of preserved	18.
11. Does paperwork match bottle I	abels?	Yes 🔽	No 🗆	bottles checked for pH:	29110
(Note discrepancies on chain of	n custody)	Ves 🔽	No 🗌	in Adusted?	e uniess notedy
13 Is it clear what analyses were	requested?	Yes 🔽	No 🗌	1100 -	
14. Were all holding times able to	be met?	Yes 🗹	No 🗌	Checked by:	
(If no, notify customer for authority	prization.)		L		
Special Handling (if applic	<u>able)</u>				
15. Was client notified of all discre	pancies with this order?	Yes	No 🗌	NA 🗹	
Person Notified:	Date:				
By Whom:	Via:	eMail Ph	ione 🗌 Fax	In Person	
Regarding:	ng (yan yang ang ang ang ang ang ang ang ang ang				
Client Instructions:		a cold a construction and a construction of the second state			
16. Additional remarks:					
17. <u>Cooler Information</u>	and Margal Constraint (). No Margana Against an ann an Anna ann an Anna an Anna an Anna an Anna an Anna an Ann	1111 2011 1012 101 101	W		
1 1.3 Go	ondition Seal Intact Seal No od Yes	Seal Date	signed By		

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С	Chain-of-Custody Record				Time:										TE	20			NIT		
Client:	BP AN	AERICA		Standard	🗆 Rush								Y	STO	5 I		30	R/	ATC		- V
	RIAL	ENGO	EQUAL T.K	Project Name):				- 1					iron				1.			
Mailing	Address	:	ENNO LAC.	NEBU	482			404			vv vv v	v.nai		TOTI	nen			400			
				Project #:					Tel. 505-345-3975 Fax 505-345-4107												
Dhone	#. <i>E</i> c	7-7-	7-1/97				Analysis Request														
email o	#. <u> </u>	13-30	0 - 110.5	Project Manager																	
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Standard Level 4 (Full Validation			STEV	E MOSKA		s (80	(Gas	0			IMS		PO4	PCI							
Accred	Accreditation			Sampler: J	EFF BLA	66		HH	HO /	Ŧ	1)	70 S		40 ₂ ,	082						a
	□ NELAP □ Other			Qn lice:	Yes 👘	∕⊡ No		+	RO	118.	504.	r 82	6	03,1	s/8		(Y)				or N
) (Type) <u>-</u>	1		Sample Tem	perature 22	S-CE-JORIAS		TBE	0)	po	pol	10 0	etal	CiN	cide	(A)	i-VC				5
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO	BTEX + AF	BTEX + M	FPH 8015	FPH (Meth	EDB (Meth	AH's (83	3CRA 8 M	Anions (F,	3081 Pesti	3260B (VC	3270 (Sem	CHURIDE			Air Bubble
5/28/ 17	1015	5011	SPILL COMD 12.6	402×1	CEDL	-001	X		X		ш		<u>u</u>	4	ω	w	8	X		+	
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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.