# District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410

## State of New Mexico Energy Minerals and Natural Resources

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office

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe

Form C-144 June 1, 2004

<u>District IV</u> 1220 S St. Francis Dr., Santa Fe, NM 87505 Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Pit or Below-Grade Tank Registration or Closure
Is pit or below-grade tank covered by a "general plan"? Yes 🛛 No 🗌

Type of action. Registration of a pit o	r below-grade tank L Closure of a pit or below-gr	rade tank 🗵
Operator: BP AMERICA PROD. CO.	Telephone: (505)-326-9200 e-m	nail address:
Address: 200 ENERGY COURT, FARMINGTON,	NM 87410	
Facility or well name: HEATON LS #23	API#: 30-045- 20316 U/L or Qtr.	Otr 1 Sec 29 T 31N R 11W
County SAN JUAN Latitude 36.86731 Longitude 108		Owner Federal State Private Indian
		RCVD APR5'07
Pit	Below-grade tank	
Type: Drilling ☐ Production ☐ Disposal ☒ SEPARATOR	Volume: bbl-Type-of-fluid:	OIL CONS. DIV.
Workover   Emergency	Construction material:	DIST. 3
Lined Unlined \( \sum_{\text{uniform}} \)	Double-walled, with leak ditection? Yes I If	At analysis who not
	Double-waited, with seak descending it is a 1 in in	st, explain why not.
Liner type: Synthetic Thicknessmil Clay D		
Pit Volumebbl		
Depth to ground water (vertical distance from bottom of pit to seasonal	Less than 50 feet	(20 points)
high water elevation of ground water.)	50 feet or more, but less than 100 feet	(10 points)
	100 feet or more	( 0 points)
W. W. A.	Yes	(20 points)
Wellhead protection area: (Less than 200 feet from a private domestic	No	( 0 points)
water source, or less than 1000 feet from all other water sources.)		( o pomilo)
Distance to surface water: (horizontal distance to all wetlands, playas,	Less than 200 feet	(20 points)
irrigation canals, ditches, and perennial and ephemeral watercourses.)	200 feet or more, but less than 1000 feet	(10 points)
inigation carais, unches, and perchina and epitemetal watercourses.	1000 feet or more	( 0 points)
	Ranking Score (Total Points)	0
If this is a pit closure: (1) attach a diagram of the facility showing the pit's		· ·
our are burying in place) onsite 🛛 offsite 🔲 If offsite, name of facility	(3) Attach a general	description of remedial action taken including
emediation start date and end date. (4) Groundwater encountered: No 🛛 Y	es 🗌 If yes, show depth below ground surface	ft. and attach sample results. (5)
Attach soil sample results and a diagram of sample locations and excavations	3.	
Additional Comments PIT LOCATED APPROXIMATELY	21 FT. N48W FROM W	ELL HEAD.
PIT EXCAVATION: WIDTH N/Aft. LENGTH		
PIT REMEDIATION: CLOSE AS IS: ⊠, LANDFARM: □, CO		ovelsia)
	OMPOST: [], STOCKPILE: [], OTHER [] (	expiain)
BEDROCK BOTTOM		
I hereby certify that the information above is true and complete to the best of has been/will be constructed or closed according to NMOCD guidelines		
	2, a general permit [1, of an alternative OCD	-approved plan 23.
Date: 01/06/06		
PrintedName/Title Jeff Blagg – P.E. # 11607	Signature	~~~~~
Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve the regulations.		
Deputy Oil & Gas Inspector,		
Approval: District #3	110.1	
Printed Name/Title	mature 13 de Mall	Date: AUG 0 6 2007
Printed Name/TitleSig	maure I was a fine	Date:



# EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5-Point Composite @ 3'	Date Reported:	01-06-06
Laboratory Number:	35645	Date Sampled:	01-03-06
Chain of Custody No:	15306	Date Received:	01-05-06
Sample Matrix:	Soil	Date Extracted:	01-05-06
Preservative:	Cool	Date Analyzed:	01-06-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments: Heaton LS 23 Sep Pit.

Analyst C. Ogton

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# EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	5-Point Composite @ 3'	Date Reported:	01-06-06
Laboratory Number:	35645	Date Sampled:	01-03-06
Chain of Custody:	15306	Date Received:	01-05-06
Sample Matrix:	Soil	Date Analyzed:	01-06-06
Preservative:	Cool	Date Extracted:	01-05-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
,		
Benzene	6.4	1.8
Toluene	26.5	1.7
Ethylbenzene	2.3	1.5
p,m-Xylene	20.6	2.2
o-Xylene	8.4	1.0
Total BTEX	64.2	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Heaton LS 23 Sep Pit.

v Analyst Misters m Walter Beview



#### Chloride

Client: Blagg / BP Project #: 94034-010 Sample ID: 5-Point Composite @ 3' Date Reported: 01-06-06 Date Sampled: 01-03-06 Lab ID#: 35645 Date Received: 01-05-06 Sample Matrix: Soil Preservative: Cool Date Analyzed: 01-06-06 Condition: Cool and Intact Chain of Custody: 15306

Parameter Concentration (mg/Kg)

Total Chloride 29.9

Reference: Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Heaton LS 23 Sep Pit.

nalyst (Review (Species)

# CHAIN OF CUSTODY RECORD

THE RESIDENCE OF THE PROPERTY													
Client / Project Name			Project Location		COLUMN TO THE PROPERTY OF THE			A N / A L N / CO L C	/ PA PARAM	TEDO			
BLAGE/BA Sampler: J-C-Sl			HEARON	LS 23				ANALYSIS	6 / PARAME	IERS			
Sampler:			Client No.		s					Re	marks		
2-C-Sh	99		94034	1-010	No. of	HAT Sara	10						
Sample No./	Sample	Sample		Sample	No No	ER	BIEN	4					
Identification	Date	Time	Lab Number	Matrix	O	1 ~	NON						
5-Pour Coupany	13/06	1300	35645	SOIL	(	×	بخ	×		SEP 1	PIT	•	
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5-PULT QUANT	i (	1320	35646	( )	(	×	义	<b>エ</b>		Blow	81	7	
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Relinquished by: (Signatu	re)				Received by:	(Signatu	ıre)						
			-	<b>NVIROT</b>	ECH		G.			Sample R	eceipt	1	¬
											Υ	N	N/A
				5796 U.S. Farmington, Ne			1		F	Received Intact	-		
					32-0615	. 0. 10	•		Co	ol - Ice/Blue Ice			



# EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

## **Quality Assurance Report**

Client:	QA/QC		Project #:		N/A
Sample ID:	01-06-06 QA/0	QC	Date Reported:		01-06-06
Laboratory Number:	35638		Date Sampled:		N/A
Sample Matrix:	Methylene Chlor	ide	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		01-06-06
Condition:	N/A		Analysis Reques	ted:	TPH
	ાં ે ે ને I-Call Date ે	I-Cal RF:	C-Cal RF:	% Difference	Accept::Range
Gasoline Range C5 - C10	02-04-05	9.9753E+002	9.9853E+002	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	9.9710E+002		0.20%	0 - 15%
Blank Conc. (mg/Lmg/K	ġ) i kara i taka	Concentration,		Detection Lim	iť į
	ġ)	TEN 19 1 19 Y		7 W 8072	iť į
Blank Conc. (mg/L - mg/K Gasoline Range C5 - C10 Diesel Range C10 - C28	ġ)```	Concentration ND ND		Detection Lim 0.2 0.1	iť <u>.</u>
Gasoline Range C5 - C10	v rama wa vo vo va ayaa ka k	ND		0.2	iť.
Gasoline Range C5 - C10 Diesel Range C10 - C28 Total Petroleum Hydrocarbons	- V FRETA IN VV VV 4 GLABAR	ND ND		0.2 0.1 0.2	
Gasoline Range C5 - C10 Diesel Range C10 - C28	- V FRETA IN VV VV 4 GLABAR	ND ND ND ND		0.2 0.1	
Gasoline Range C5 - C10 Diesel Range C10 - C28 Total Petroleum Hydrocarbons  Duplicate Conc. (mg/Kg)	Sample	ND ND ND	% Difference	0.2 0.1 0.2 Accept Range	
Gasoline Range C5 - C10 Diesel Range C10 - C28 Total Petroleum Hydrocarbons  Duplicate Conc. (mg/Kg)  Gasoline Range C5 - C10	Sample 282 648	ND ND ND Duplicate 284 650	% Difference 0.9% 0.3%	0.2 0.1 0.2 Accept Range 0 - 30% 0 - 30%	
Gasoline Range C5 - C10 Diesel Range C10 - C28 Total Petroleum Hydrocarbons  Duplicate Conc. (mg/kg) Gasoline Range C5 - C10 Diesel Range C10 - C28	Sample 282 648	ND ND ND Duplicate 284 650	% Difference /	0.2 0.1 0.2 Accept Range 0 - 30% 0 - 30%	

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 35638 - 35639, 35641 - 35642, 35644 - 35649.

Analyst

Review



### **EPA METHOD 8021** AROMATIC VOLATILE ORGANICS

Client:	N/A	F	Project #:		N/A
Sample ID <sup>.</sup>	01-06-BTEX QA/Q	C [	Date Reported:		01-06-06
Laboratory Number:	35638	(	Date Sampled:		N/A
Sample Matrix:	Soil	Ĭ	Date Received:		N/A
Preservative:	N/A	{	Date Analyzed:		01-06-06
Condition:	N/A	,	Analysis:		BTEX
Calibration and	I-Cal RF	C-Cal RF:	%Diff.	Blank	Detect.
Detection Limits (ug/L)		Accept. Rang	je 0 - 15%	Conc	Limit
Benzene	1.8414E+007	1.8451E+007	0.2%	ND	0.2
Toluene	5.3198E+007	5.3305E+007	0.2%	ND	0.2
Ethylbenzene	4.1896E+007	4.1980E+007	0.2%	ND	0.2
p,m-Xylene	8.5471E+007	8.5642E+007	0.2%	ND	0.2
o-Xylene	4 1039E+007	4.1122E+007	0.2%	ND	0.1
Duplicate Conc. (ug/Kg)	- A / - V VALUE 90.00 /	Duplicate	2 45-1405. \$ 2 5-500 IV 3 -400.	Accept Range	DetectLimit
Benzene Foluene Ethylbenzene o,m-Xylene	31.0 235 794 3,830 637	31.0 234 793 3,820	0.0% 0.2% 0.1% 0.3%	0 - 30% 0 - 30% 0 - 30% 0 - 30%	1.8 1.7 1.5 2.2 1.0
Duplicate Conc. (ug/Kg) Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene Spike Conc. (ug/Kg)	31.0 235 794 3,830	31.0 234 793 3,820 636	0.0% 0.2% 0.1%	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	1.8 1.7 1.5 2.2
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene	31.0 235 794 3,830 637	31.0 234 793 3,820 636	0.0% 0.2% 0.1% 0.3% 0.1%	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	1.8 1.7 1.5 2.2 1.0
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene Spike Conc. (ug/Kg)	31.0 235 794 3,830 637	31.0 234 793 3,820 636	0.0% 0.2% 0.1% 0.3% 0.1%	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30%	1.8 1.7 1.5 2.2 1.0
Benzene Toluene Ethylbenzene o,m-Xylene o-Xylene Spike Conc. (ug/Kg) Benzene Toluene	31.0 235 794 3,830 637 Sample	31.0 234 793 3,820 636 Amount Spiked 50.0 50.0	0.0% 0.2% 0.1% 0.3% 0.1% Spiked Sample 80.9 284	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30% % Recovery 99.9% 99.8%	1.8 1.7 1.5 2.2 1.0 Accept Range
Benzene Foluene Ethylbenzene o,m-Xylene o-Xylene Spike Conc. (ug/Kg) Benzene Foluene Ethylbenzene	31.0 235 794 3,830 637 Sample 31.0 235 794	31.0 234 793 3,820 636 Amount Spiked 50.0 50.0 50.0	0.0% 0.2% 0.1% 0.3% 0.1% Spiked Sample 80.9 284 842	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30% % Recovery 99.9% 99.8%	1.8 1.7 1.5 2.2 1.0 Accept Range 39 - 150 46 - 148 32 - 160
Benzene Toluene Ethylbenzene p,m-Xylene o-Xylene Spike Conc. (ug/Kg)	31.0 235 794 3,830 637 Sample	31.0 234 793 3,820 636 Amount Spiked 50.0 50.0	0.0% 0.2% 0.1% 0.3% 0.1% Spiked Sample 80.9 284	0 - 30% 0 - 30% 0 - 30% 0 - 30% 0 - 30% % Recovery 99.9% 99.8%	1.8 1.7 1.5 2.2 1.0 Accept Range

ND - Parameter not detected at the stated detection limit.

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using

Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

QA/QC for Samples 35638, 35641 - 35642, 35644 - 35648.

Analyst