

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
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

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

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

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 or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator <u>BP America Production Company</u> Telephone: <u>(505)326-9200</u> e-mail address: _____		
Address <u>200 Energy Ct, Farmington, NM 87401</u>		
Facility or well name <u>FLORENCE #126</u> API #: <u>30045 25022</u> U/L or Qtr/Qtr <u>L</u> Sec <u>26</u> T <u>29</u> N <u>R</u> <u>9</u> W		
County <u>San Juan</u> Latitude _____ Longitude _____ NAD 1927 <input type="checkbox"/> 1983 <input checked="" type="checkbox"/>		
Surface Owner Federal <input checked="" type="checkbox"/> State <input type="checkbox"/> Private <input type="checkbox"/> Indian <input type="checkbox"/>		
Pit Type: Drilling <input type="checkbox"/> Production <input checked="" type="checkbox"/> Disposal <input type="checkbox"/> Workover <input type="checkbox"/> Emergency <input type="checkbox"/> Lined <input checked="" type="checkbox"/> Unlined <input type="checkbox"/> Liner type Synthetic <input type="checkbox"/> Thickness _____ mil Clay <input type="checkbox"/> Pit Volume _____ bbl		
Below-grade tank Volume: _____ bbl Type of fluid: <u>MA</u> Construction material: _____ Double-walled, with leak detection? Yes <input type="checkbox"/> If no, explain why not _____		
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet	(20 points)
	50 feet or more, but less than 100 feet	(10 points) <u>20</u>
	100 feet or more	(0 points)
Wellhead protection area (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	Yes	(20 points)
	No	(0 points) <u>0</u>
Distance to surface water (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)
	200 feet or more, but less than 1000 feet	(10 points) <u>10</u>
	1000 feet or more	(0 points)
Ranking Score (Total Points)		<u>30</u>

If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility _____. (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ 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.

Additional Comments	
See Attached Documentation	RCUD JUN13'07
	OIL CONS. DIV.
	DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: 11/01/2005
Printed Name/Title Jeffrey C. Blagg, Agent Signature Jeffrey C. Blagg

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations

Approval Deputy Oil & Gas Inspector,
Printed Name/Title District #3 Signature [Signature] Date: AUG 10 2007

CLIENT: BP
BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199
LOCATION NO: 81283COCR NO: N/APAGE No: 1 of 1**FIELD REPORT: PIT CLOSURE VERIFICATION**LOCATION: NAME: FLORANCE WELL #: 126 TYPE: DEHY/SEP.DATE STARTED: 9/18/03QUAD/UNIT: L SEC: 26 TWP: 29N RNG: 9W PM: NM CNTY: ST ST: NM

DATE FINISHED: _____

QTR/FOOTAGE: 1300'S/1190'W NW/SW CONTRACTOR: HOI (EOGAR)ENVIRONMENTAL SPECIALIST: NVEXCAVATION APPROX. NA FT. X NA FT. X NA FT. DEEP. CUBIC YARDAGE: NADISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: CLOSE AS ISLAND USE: RANGE - Blm LEASE: SF 080000 FORMATION: DR**FIELD NOTES & REMARKS:**PIT LOCATED APPROXIMATELY 135 FT. N42W FROM WELLHEAD.DEPTH TO GROUNDWATER: < 50' NEAREST WATER SOURCE: > 1000' NEAREST SURFACE WATER: < 1000'NMOCD RANKING SCORE: 30 NMOCD TPH CLOSURE STD: 100 PPM**SOIL AND EXCAVATION DESCRIPTION:**
OVM CALIB. READ. = 53.3 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 11:37 am/pm DATE: 9/18/03
SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER _____SOIL COLOR: LT. GRAY BET. 7-9' BELOW GRADECOHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE

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

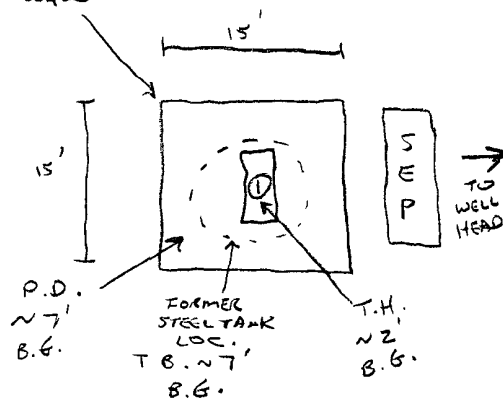
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED. YES / NO EXPLANATION - _____HC ODOR DETECTED: YES / NO EXPLANATION - _____SAMPLE TYPE: GRAB COMPOSITE - # OF PTS. —ADDITIONAL COMMENTS: GROUNDWATER ~ 8 FT. BELOW GRADE.GROUNDWATER
ENCOUNTEREDCLOSED**SCALE**

0 FT

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

PIT PERIMETER**PIT PROFILE**WOODEN
RETAINING
WALL**OVM
READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 9'	0.0
2 @	
3 @	
4 @	
5 @	

NOT APPLICABLE

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
① @ 9'	TPH (80158)	1121

PASSEDP.D. = PIT DEPRESSION; B.G. = BELOW GRADE; B = BELOW
T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM**TRAVEL NOTES:**CALLOUT: 9/18/03 - MORN.ONSITE: 9/18/03 - MORN.

Hall Environmental Analysis Laboratory

Date: 26-Sep-03

CLIENT: Blagg Engineering

Client Sample ID: DEHY/SEP-PIT 1 @ 9'

Lab Order: 0309151

Collection Date: 9/18/2003 11:21:00 AM

Project: Florance #126

Lab ID: 0309151-01

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	5.0		mg/Kg	1	9/23/2003 4:27:42 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/23/2003 4:27:42 PM
Surr: DNOP	106	60-124		%REC	1	9/23/2003 4:27:42 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/25/2003 3:17:06 AM
Surr: BFB	92.8	74-118		%REC	1	9/25/2003 3:17:06 AM

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

District I

P.O. Box 1988, Hobbs, NM

District II

Drewer DD, Artesia, NM

District III

1000 Rio Bravo Rd., Aztec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

SUBMIT 1 COPY TO

APPROPRIATE

DISTRICT OFFICE

AND 1 COPY TO

SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: BP AMERICA PRODUCTION CO. Telephone: (505) 326-9200Address: 200 ENERGY COURT, FARMINGTON, NM 87401Facility or Well Name: Florance #126Location: Unit or Qtr/Qtr Sec _____ Sec _____ T N R W County San JuanPit Type: Separator _____ Dehydrator _____ Other BlowLand Type: BLM X, State _____, Fee _____, Other _____Pit Location: Pit dimensions: length NA, width NA, depth NA
(Attach diagram)Reference: wellhead X, other _____Footage from reference: 159'Direction from reference: 28 Degrees _____ East North ☒
_____ West South _____**Depth To Groundwater:**(Vertical distance from
contaminants to seasonal
high water elevation of
groundwater)

Less than 50 feet	(20 points)	<u>20 Kag</u>
50 feet to 99 feet	(10 points)	
Greater than 100 feet	(0 points)	

Wellhead Protection Area:(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

Yes	(20 points)	<u>0</u>
No	(0 points)	

Distance To Surface Water:(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 100 feet	(20 points)	<u>10 Kag</u>
100 feet to 1000 feet	(10 points)	
Greater than 1000 feet	(0 points)	

RANKING SCORE (TOTAL POINTS):30 Kag

Blow B1283

Date Remediation Started: _____ Date Completed: 9-25-03
Remediation Method: Excavation X Kag Approx. cubic yards NA Kag 20
(Check all appropriate sections) Landfarmed X mv Insitu Bioremediation _____
Other CLOSE AS IS. Kag BP CROUCH MESA FACILITY.

Remediation Location: Onsite X Offsite _____
(i.e. landfarmed onsite, name and location of offsite facility)

General Description of Remedial Action: Excavation. Test hole advanced. No remediation necessary.
Groundwater impacted, Monitor well required

Groundwater Encountered: No X Kag Yes ✓ Depth 8'

Final Pit Closure Sampling: Sample location see Attached Documents
(If multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth 8' (Test hole bottom)
Sample date 9-18-03 Sample time 1130

Sample Results
Soil: Benzene (ppm) ND Water: Benzene (ppb) _____
Total BTEX (ppm) 100 Toluene (ppb) _____
Field Headspace (ppm) 232.3 Ethylbenzene (ppb) _____
TPH (ppm) 2510 Total Xylenes (ppb) _____

Groundwater Sample: Yes _____ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 9-25-03 PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C. Blagg AND TITLE President P.E. # 11607

Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

BLFO. NM 87413

Fax #: 505-632-3903

[illegible]

FRANCE	#27
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FLORENCE #126			
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Relinquished By: (Signature) *John V. [Signature]*

Relinquished By: (Signature)

Received By: (Signature)

Other: _____

FLORANCE LEASE

—26—

NTV

NJV

ture: 4.0 °C

HEAL No.

040634-1

040634-1

2

[illegible]

Remarks:

Hall Environmental Analysis Laboratory

Date: 24-Jun-04

CLIENT: Blagg Engineering
Work Order: 0406134
Project: Florance Lease

QC SUMMARY REPORT

Method Blank

Sample ID	Rgnt Blank-B 5ml	Batch ID: R12238	Test Code: SW8021	Units: µg/L	Analysis Date	6/23/2004 6:48:52 AM	Prep Date				
Client ID:		Run ID: PIDFID_040622B	SeqNo: 281834								
Analyte	Result	MQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND										
Toluene	ND										
Ethylbenzene	ND										
Xylenes, Total	ND										
Surr: 4-Bromofluorobenzene	20.44		20	0	102	74	118	0			

Sample ID	Reagent Blank 5m	Batch ID: R12252	Test Code: SW8021	Units: µg/L	Analysis Date 6/23/2004 9:55:37 AM				Prep Date		
Client ID:			Run ID: PIDFID_040623A	SeqNo: 282031							
Analyte	Result	MQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND										
Toluene	ND										
Ethylbenzene	ND										
Xylenes, Total	ND										
Surr: 4-Bromofluorobenzene	20.24		20	0	101	74	118	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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Hall Environmental Analysis Laboratory

Date: 24-Jun-04

CLIENT: Blagg Engineering
Work Order: 0406134
Project: Florance Lease

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID	BTEX std 100ng	Batch ID: R12238	Test Code: SW8021	Units: µg/L	Analysis Date	6/23/2004 5:47:48 AM	Prep Date				
Client ID:			Run ID: PIDFID_040622B		SeqNo:	281861					
Analyte	Result	MQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.35		20	0	96.7	81.3	121	0			
Toluene	19.36		20	0	96.8	84.9	118	0			
Ethylbenzene	19.5		20	0	97.5	53.8	149	0			
Xylenes, Total	59.5		60	0	99.2	83.1	122	0			

Sample ID	BTEX std 100ng	Batch ID: R12252	Test Code: SW8021	Units: µg/L	Analysis Date	6/23/2004 7:51:10 PM	Prep Date				
Client ID:			Run ID: PIDFID_040623A		SeqNo:	282037					
Analyte	Result	MQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	19.1		20	0	95.5	81.3	121	0			
Toluene	19.01		20	0	95.1	84.9	118	0			
Ethylbenzene	18.95		20	0	94.7	53.8	149	0			
Xylenes, Total	58.09		60	0	96.8	83.1	122	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

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Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name **BLAGG**

Date and Time Received:

6/14/2004

Work Order Number **0406134**

Received by **AT**

Checklist completed by

Signature

Date

6/14/04

Matrix

Carrier name Greyhound

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/> Not Shipped <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	No VOA vials submitted <input type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>

Container/Temp Blank temperature?

4°

4° C ± 2 Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

District I
P.O. Box 1988, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM
District III
1000 Rio Bravo Rd., Aztec, NM

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

B1203
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Operator: <u>BP AMERICA PRODUCTION CO.</u>		Telephone: <u>(505) 326-9200</u>	
Address: <u>200 ENERGY COURT, FARMINGTON, NM 87401</u>			
Facility or Well Name: <u>Florance #26</u>			
Location: Unit or Qtr/Qtr Sec <u>L</u> Sec <u>26</u> T <u>29N</u> R <u>9W</u> County <u>San Juan</u>			
Pit Type: Separator <input type="checkbox"/> Dehydrator <input checked="" type="checkbox"/> Other <input type="checkbox"/>			
Land Type: BLM <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Other <input type="checkbox"/>			
Pit Location: (Attach diagram)		Pit dimensions: length <u>NA</u> , width <u>NA</u> , depth <u>NA</u>	
		Reference: wellhead <input checked="" type="checkbox"/> other <input type="checkbox"/>	
		Footage from reference: <u>135'</u>	
		Direction from reference: <u>42</u> Degrees <input type="checkbox"/> East <input checked="" type="checkbox"/> North <input type="checkbox"/> West <input checked="" type="checkbox"/> South <input type="checkbox"/>	
Depth To Groundwater: (Vertical distance from contaminants to seasonal high water elevation of groundwater)		Less than 50 feet (20 points) 50 feet to 99 feet (10 points) Greater than 100 feet (0 points)	
		<u>20 kg</u> <u>0</u>	
Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)		Yes (20 points) No (0 points)	
		<u>0</u>	
Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)		Less than 100 feet (20 points) 100 feet to 1000 feet (10 points) Greater than 1000 feet (0 points)	
		<u>10 kg</u> <u>0</u>	
		<u>30 kg</u> <u>0</u>	
		RANKING SCORE (TOTAL POINTS): <u>0</u>	
revised: 09/11/02			
bel1202.wpd			

Date Remediation Started: _____

Date Completed: 9-25-03

Remediation Method:

(Check all appropriate sections)

Excavation X

Approx. cubic yards NA

Landfarmed _____

Insitu Bioremediation _____

Other CLOSE AS IS.

Remediation Location:

(i.e. landfarmed onsite, name and location of offsite facility)

Onsite X Offsite _____

General Description of Remedial Action: Excavation. Test hole advanced. No remediation necessary.

Groundwater ENCOUNTERED.

Groundwater Encountered:

No X Yes ✓ Depth 8'

Final Pit Closure Sampling:

(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location see Attached Documents

Sample depth 9' (Test hole bottom)

Sample date 9-18-03 Sample time 1121

Sample Results

Soil: Benzene	(ppm) _____	Water: Benzene	(ppb) _____
Total BTEX	(ppm) _____	Toluene	(ppb) _____
Field Headspace	(ppm) <u>0.0</u>	Ethylbenzene	(ppb) _____
TPH	(ppm) <u>ND</u>	Total Xylenes	(ppb) _____

Groundwater Sample:

Yes _____ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 9-25-03 PRINTED NAME Jeffrey C. Blagg

SIGNATURE Jeffrey C. Blagg AND TITLE President P.E. # 11607

revised 01/27/02

bel1202.wpd

Hall Environmental Analysis Laboratory

Date: 26-Sep-03

CLIENT: Blagg Engineering
Work Order: 0309151
Project: Florance #126

QC SUMMARY REPORT

Method Blank

Sample ID	MB-4360	Batch ID: 4360	Test Code: SW8015	Units: mg/Kg	Analysis Date	9/23/2003 11:09:10 AM	Prep Date	9/23/2003			
Client ID:			Run ID:	FID(17A)_030923A	SeqNo:	216791					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	5.0									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	10.64	0	10	0	106	60	124	0			

Sample ID	MB-4356	Batch ID: 4356	Test Code: SW8015	Units: mg/Kg	Analysis Date	9/25/2003 2:46:29 AM	Prep Date	9/22/2003			
Client ID:			Run ID:	PIDFID_030924A	SeqNo:	217168					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0									
Surr: BFB	895.4	0	1000	0	89.5	74	118	0			

Sample ID	MB-4356	Batch ID: 4356	Test Code: SW8021	Units: mg/Kg	Analysis Date	9/25/2003 2:46:29 AM	Prep Date	9/22/2003			
Client ID:			Run ID:	PIDFID_030924A	SeqNo:	217189					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.025									
Toluene	ND	0.025									
Ethylbenzene	ND	0.025									
Xylenes, Total	ND	0.025									
Surr: 4-Bromofluorobenzene	0.9716	0	1	0	97.2	74	118	0			

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

/

Hall Environmental Analysis Laboratory

Date: 26-Sep-03

CLIENT: Blagg Engineering
Work Order: 0309151
Project: Florance #126

QC SUMMARY REPORT

Sample Matrix Spike

Sample ID	0309151-01AMS	Batch ID:	4360	Test Code:	SW8015	Units:	mg/Kg	Analysis Date	9/23/2003 6:23:11 PM	Prep Date	9/23/2003
Client ID:	DEHY/SEP-PIT 1	Run ID:	FID(17A)_030923A	SeqNo:	217064						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52.94	5.0	50	0	106	67.4	117	0			
Surr: DNOP	5.386	0	5	0	108	74	125	0			

Sample ID	0309151-01AMSD	Batch ID:	4360	Test Code:	SW8015	Units:	mg/Kg	Analysis Date	9/23/2003 6:52:24 PM	Prep Date	9/23/2003
Client ID:	DEHY/SEP-PIT 1	Run ID:	FID(17A)_030923A	SeqNo:	217066						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48.82	5.0	50	0	97.6	67.4	117	52.94	8.10	17.4	
Surr: DNOP	5.404	0	5	0	108	74	125	5.386	0.334	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: 26-Sep-03

CLIENT: Blagg Engineering
Work Order: 0309151
Project: Florance #126

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID	LCS-4360	Batch ID: 4360	Test Code: SW8015	Units: mg/Kg	Analysis Date	9/23/2003 11:37:42 AM	Prep Date	9/23/2003				
Client ID:			Run ID: FID(17A)_030923A		SeqNo:	216792						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		56.24	5.0	50	0	112	67.4	117	0			

Sample ID	LCSD-4360	Batch ID: 4360	Test Code: SW8015	Units: mg/Kg	Analysis Date	9/23/2003 3:58:42 PM	Prep Date	9/23/2003				
Client ID:			Run ID: FID(17A)_030923A		SeqNo:	216843						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)		56.48	5.0	50	0	113	67.4	117	56.24	0.419	17.4	

Sample ID	GRO Std 2.5ug	Batch ID: 4356	Test Code: SW8015	Units: mg/Kg	Analysis Date	9/25/2003 1:14:47 AM	Prep Date				
Client ID:			Run ID: PIDFID_030924A		SeqNo:	217182					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26.15	5.0	25	0	105	85.8	111	0			

Sample ID	GRO Std 2.5ug	Batch ID: 4356	Test Code: SW8015	Units: mg/Kg	Analysis Date	9/25/2003 4:48:50 AM	Prep Date				
Client ID:			Run ID: PIDFID_030924A		SeqNo:	217183					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25	0	108	85.8	111	26.15	3.20	11.6	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Blagg Engineering
Work Order: 0309151
Project: Florance #126

QC SUMMARY REPORT
Laboratory Control Spike - generic

Sample ID	BTEX Std 100ng	Batch ID: 4356	Test Code: SW8021	Units: mg/Kg	Analysis Date	9/24/2003 6:35:26 PM	Prep Date				
Client ID:			Run ID: PIDFID_030924A		SeqNo:	217192					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.9937	0.025	1	0	99.4	77	122	0			
Toluene	0.9999	0.025	1	0	100	81	115	0			
Ethylbenzene	1.011	0.025	1	0	101	84	117	0			
Xylenes, Total	3.029	0.025	3	0	101	84	116	0			

Sample ID	BTEX Std 100ng	Batch ID: 4356	Test Code: SW8021	Units: mg/Kg	Analysis Date	9/25/2003 4:18:13 AM	Prep Date				
Client ID:			Run ID: PIDFID_030924A		SeqNo:	217193					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.9937	0.025	1	0	99.4	77	122	0.9937	0.00101	27	
Toluene	1.015	0.025	1	0	101	81	115	0.9999	1.48	19	
Ethylbenzene	1.008	0.025	1	0	101	84	117	1.011	0.355	10	
Xylenes, Total	3.026	0.025	3	0	101	84	116	3.029	0.0991	13	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Sample Receipt Checklist

Client Name **BLAGG**

Date and Time Receive

9/19/2003

Work Order Number **0309151**

Received by **AT**

Checklist completed by

Anne J. Moran

9/19/03

Signature

Date

Matrix

Carrier name Greyhound

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Water - VOA vials have zero headspace?	No VOA vials submitted <input checked="" type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
Container/Temp Blank temperature?	2°	4° C ± 2 Acceptable	

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

Hall Environmental Analysis Laboratory

Date: 26-Sep-03

CLIENT: Blagg Engineering
Project: Florance #126
Lab Order: 0309151

CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_S, SAMPLE 0309151-02a: Elevated surrogate due to matrix interference. Analytical Comments for METHOD 8021BTEX_S, SAMPLE 0309151-02a: Elevated surrogate due to matrix interference.