

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

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

Form C-144
June 1, 2004

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: BP AMERICA PROD. CO. Telephone: (505)-326-9200 e-mail address: _____
Address: 200 ENERGY COURT, FARMINGTON, NM 87410
Facility or well name: NYE LS #1A API #: 30-045- 23047 U/L or Qtr/Qtr O Sec 23 T 31N R 11W
County: SAN JUAN Latitude 36.87987 Longitude 107.95668 NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☐ State ☐ Private ☒ Indian ☐

Pit
Type: Drilling ☐ Production ☒ Disposal ☐ PRODUCTION TANK
Workover ☐ Emergency ☐
Lined ☒ Unlined ☐ STEEL TANK
Liner type: Synthetic ☐ Thickness _____ mil Clay ☐
Pit Volume _____ bbl

Below-grade tank
Volume: _____ bbl Type of fluid: N/A
Construction material: N/A
Double-walled, with leak detection? Yes ☐ If not, 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)	20
	50 feet or more, but less than 100 feet	(10 points)	
	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)	0
	No	(0 points)	
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet	(20 points)	20
	200 feet or more, but less than 1000 feet	(10 points)	
	1000 feet or more	(0 points)	
Ranking Score (Total Points)			40

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 BP CROUCH MESA LF. (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 < 6 ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments: PIT LOCATED APPROXIMATELY 108 FT. N72E FROM WELL HEAD.

PIT EXCAVATION: WIDTH 12 ft., LENGTH 15 ft., DEPTH 6 ft.

PIT REMEDIATION: CLOSE AS IS: ☐, LANDFARM: ☒, COMPOST: ☐, STOCKPILE: ☐, OTHER ☐ (explain)

Cubic yards: 10

GROUNDWATER ENCOUNTERED, MONITOR WELL REQUIRED.

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 alternative OCD-approved plan ☒.

Date: 06/14/05

Printed Name/Title Jeff Blagg - P.E. # 11607

Signature Jeff 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 B. D. Bell

Date: AUG 10 2007

CLIENT:

BP

BLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199

LOCATION NO:

81546

COCR NO:

-

FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: NYE US WELL #: 1A TYPE: PROD. TANK

QUAD/UNIT: 0 SEC. 23 TWP: 31N RNG: 11W PM: NM CNTY: ST. NM

QTR/FOOTAGE: 1080'S/1590'E SW/SE CONTRACTOR: HDI (LYNELL)

DATE STARTED 6/14/05

DATE FINISHED

ENVIRONMENTAL SPECIALIST

NV

EXCAVATION APPROX. 12 FT. x 15 FT. x 6 FT. DEEP. CUBIC YARDAGE: 10

DISPOSAL FACILITY: BP CROUCH MESA FACILITY REMEDIATION METHOD: LANDFARM

LAND USE: RANGE - WETLAND LEASE: FEE FORMATION: MV

FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 108 FT. N72E FROM WELLHEAD.

DEPTH TO GROUNDWATER <50' NEAREST WATER SOURCE >1000 NEAREST SURFACE WATER <200'

NMOCD RANKING SCORE 40 NMOCD TPH CLOSURE STD 100 PPM

SOIL AND EXCAVATION DESCRIPTION: ELEV. -5689'

OVM CALIB. READ. = 53.4 ppm

OVM CALIB. GAS = 100 ppm

RF = 0.52

TIME: 1:15 am/pm DATE: 6/14/05

SOIL TYPE: SAND / SILTY SAND / SILT / SILTY CLAY / CLAY GRAVEL / OTHER

SOIL COLOR: DARK YEL. ORANGE TO BLACK

COHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVE

CONSISTENCY (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 SATURATED

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - MED. GRAY @ SAMP. PT. + MED. GRAY TO BLACK @ TANK BOTTOM

HC ODOR DETECTED: YES / NO EXPLANATION - SLIGHTLY IN DISCOLORED SOIL NEAR TANK BOTTOM.

SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS -

ADDITIONAL COMMENTS: 21 BBL STEEL TANK REMOVED PRIOR TO ARRIVAL. DISCOLORED SOIL BELOW TANK BOTTOM REMOVED. EXCAVATION THEN BACKFILLED IMMEDIATELY AFTERWARDS.

MW REQUIRED

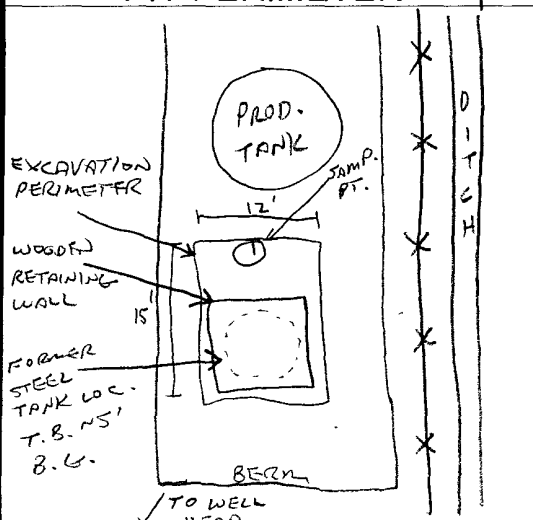
SCALE

0

FT

FIELD 418.1 CALCULATIONS

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

PIT PERIMETER**PIT PROFILE****OVM READING**

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

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
		1426

NOT APPLICABLE

P D = PIT DEPRESSION, B G = BELOW GRADE, B = BELOW
 T H = TEST HOLE, ~ = APPROX, T B = TANK BOTTOM

TRAVEL NOTES:

CALLOUT: 6/9/05 - AFTER.

ONSITE: 6/10/05 - MORN. (SCHED.)

BLAGG ENGINEERING, INC.

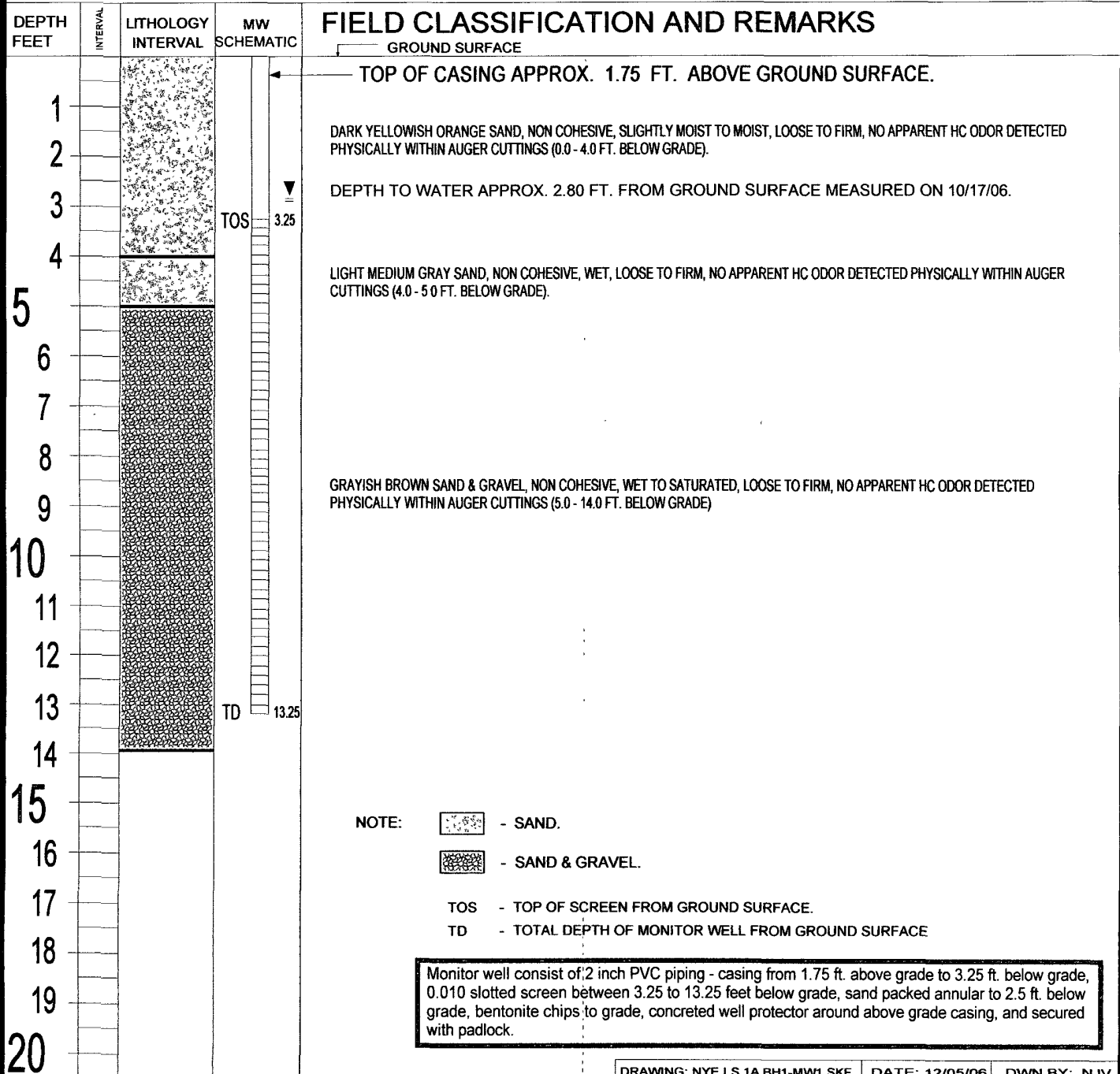
P.O. BOX 87
BLOOMFIELD, NM 87413
(505) 632-1199

MW #1

BORE / TEST HOLE REPORT

CLIENT: BP AMERICA PRODUCTION COMPANY
LOCATION NAME: NYE LS # 1A UNIT O, SEC. 23, T31N, R11W
CONTRACTOR: BLAGG ENGINEERING, INC. / ENVIROTECH, INC.
EQUIPMENT USED: MOBILE DRILL RIG (CME 75)
BORING LOCATION: 107 FT., N71E FROM WELL HEAD.

BORING #..... BH-1
MW #..... 1
PAGE #..... 1
DATE STARTED 10/04/06
DATE FINISHED 10/04/06
OPERATOR..... KP
PREPARED BY NJV



BLAGG ENGINEERING, INC.**MONITOR WELL DEVELOPMENT & / OR SAMPLING DATA****CLIENT : BP AMERICA PROD. CO.****CHAIN-OF-CUSTODY # : N / A & 14678****NYE LS # 1A - SEP. & PROD. TANK PIT
UNIT O, SEC. 23, T31N, R11W****LABORATORY (S) USED : HALL ENVIRONMENTAL
ENVIROTECH****Date : October 17, 2006****SAMPLER : N J V****Filename : 10-17-06.WK4****PROJECT MANAGER : N J V**

WELL #	WELL ELEV. (ft)	WATER ELEV. (ft)	DEPTH TO WATER (ft)	TOTAL DEPTH (ft)	SAMPLING TIME	pH	CONDUCT (umhos)	TEMP. (celcius)	VOLUME PURGED (gal.)
MW - 1	-	-	4.55	15.00	0930	7.12	800	12.1	5.25
MW - 2	-	-	4.93	15.00	0950	7.04	700	12.6	5.00

INSTRUMENT CALIBRATIONS =	7.00	2,800
DATE & TIME =	10/17/06	0900

NOTES : Volume of water purged from well prior to sampling: $V = \pi \times r^2 \times h \times 7.48 \text{ gal./ft}^3 \times 3 \text{ (wellbores)}$.
(i.e. 2" MW $r = (1/12) \text{ ft.}$ $h = 1 \text{ ft.}$) (i.e. 4" MW $r = (2/12) \text{ ft.}$ $h = 1 \text{ ft.}$)

Ideally a minimum of three (3) wellbore volumes:

2.00 " well diameter = 0.49 gallons per foot of water.

Comments or note well diameter if not standard 2".

Excellent recovery both MW's . Collected BTEX & major anions / cations from both MW's .

Top of casing MW # 1 ~ 1.75 ft. , MW # 2 ~ 2.10 ft. above grade .

Hall Environmental Analysis Laboratory, Inc.

Date: 24-Oct-06

CLIENT: Blagg Engineering
Project: NYE LS #1A**Lab Order:** 0610182**Lab ID:** 0610182-01**Collection Date:** 10/17/2006 9:30:00 AM**Client Sample ID:** MW #1**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	10/20/2006 3:37:57 PM
Toluene	ND	1.0		µg/L	1	10/20/2006 3:37:57 PM
Ethylbenzene	ND	1.0		µg/L	1	10/20/2006 3:37:57 PM
Xylenes, Total	ND	3.0		µg/L	1	10/20/2006 3:37:57 PM
Surr: 4-Bromofluorobenzene	84.6	72.2-125		%REC	1	10/20/2006 3:37:57 PM

Lab ID: 0610182-02**Collection Date:** 10/17/2006 9:50:00 AM**Client Sample ID:** MW #2**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	10/20/2006 4:08:25 PM
Toluene	ND	1.0		µg/L	1	10/20/2006 4:08:25 PM
Ethylbenzene	ND	1.0		µg/L	1	10/20/2006 4:08:25 PM
Xylenes, Total	ND	3.0		µg/L	1	10/20/2006 4:08:25 PM
Surr: 4-Bromofluorobenzene	86.5	72.2-125		%REC	1	10/20/2006 4:08:25 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

CATION / ANION ANALYSIS

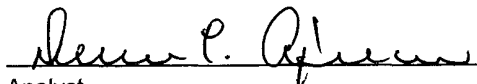
Client: Blagg / BP
Sample ID: MW #1
Laboratory Number: 38869
Chain of Custody: 14678
Sample Matrix: Water
Preservative: Cool
Condition: Cool & Intact

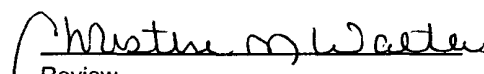
Project #: 94034-010
Date Reported: 10-18-06
Date Sampled: 10-17-06
Date Received: 10-17-06
Date Extracted: N/A
Date Analyzed: 10-18-06

Parameter	Analytical Result	Units		
pH	6.77	s.u.		
Conductivity @ 25° C	752	umhos/cm		
Total Dissolved Solids @ 180C	504	mg/L		
Total Dissolved Solids (Calc)	502	mg/L		
SAR	1.0	ratio		
Total Alkalinity as CaCO3	246	mg/L		
Total Hardness as CaCO3	329	mg/L		
Bicarbonate as HCO3	246	mg/L	4.03	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	0.4	mg/L	0.01	meq/L
Nitrite Nitrogen	0.019	mg/L	0.00	meq/L
Chloride	74.0	mg/L	2.09	meq/L
Fluoride	0.59	mg/L	0.03	meq/L
Phosphate	0.30	mg/L	0.01	meq/L
Sulfate	110	mg/L	2.29	meq/L
Iron	<0.001	mg/L	0.00	meq/L
Calcium	110	mg/L	5.49	meq/L
Magnesium	13.1	mg/L	1.08	meq/L
Potassium	1.85	mg/L	0.05	meq/L
Sodium	42.3	mg/L	1.84	meq/L
Cations			8.45	meq/L
Anions			8.46	meq/L
Cation/Anion Difference			0.03%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Nye LS #1A Grab Sample**


Analyst


Review

**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4
www.hallenvironmental.com

CHAIN-OF-CUSTODY RECORD					QA/QC Package:		
					Std <input type="checkbox"/> Level 4 <input type="checkbox"/>		
					Other:		
Client: <u>BLADES OF AMERICA</u>					Project Name: <u>NYE LS #1A</u>		
Address: <u>P.O. BOX 87</u>					Project #: <u>7N5</u>		
<u>BLVD. NM 87413</u>					Project Manager: <u>NV</u>		
Phone #: <u>632-1199</u>					Sampler: <u>NV</u>		
Fax #:					Sample Temperature: <u>70</u>		
Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative		HEAL No.
					HgCl ₂	HNO ₃	
<u>12/17/06</u>	<u>0730</u>	<u>WATER</u>	<u>MW #1</u>	<u>2-40ml</u>	<u>✓</u>		<u>0610182</u>
<u>12/17/06</u>	<u>0750</u>	<u>WATER</u>	<u>MW #2</u>	<u>2-40ml</u>	<u>✓</u>		<u>-2</u>
Date: <u>12/17/06</u>	Time: <u>1100</u>	Relinquished By: (Signature) <u>[Signature]</u>		Received By: (Signature) <u>[Signature]</u>		10-18-06 1025	
Date: <u> </u>	Time: <u> </u>	Relinquished By: (Signature) <u> </u>		Received By: (Signature) <u> </u>			

CHAIN OF CUSTODY RECORD

14678

Client / Project Name BLAGG/BP			Project Location NYE LS #1A		ANALYSIS / PARAMETERS							
Sampler: NV			Client No. 94032-00 94034-010		No. of Containers	MAJOR ANIONS/CATIONS						Remarks PRESERVED COOL GRAB SAMPLES
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								
MW #1	10/17/06	0930	38869	WATER			1	✓				
MW #2	10/17/06	0950	38870	WATER	1	✓						
Relinquished by: (Signature) <i>[Signature]</i>			Date 10/17/06	Time 1121	Received by: (Signature) <i>[Signature]</i>					Date 10/17/06	Time 1121	
Relinquished by: (Signature)					Received by: (Signature)							
Relinquished by: (Signature)					Received by: (Signature)							

ENVIROTECH INC.

 5796 U.S. Highway 64
 Farmington, New Mexico 87401
 (505) 632-0615

Sample Receipt

	Y	N	N/A
Received Intact	<input checked="" type="checkbox"/>		
Cool - Ice/Blue Ice	<input checked="" type="checkbox"/>		

QA/QC SUMMARY REPORT

Client: Blagg Engineering

Project: NYE LS #1A

Work Order: 0610182

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
---------	--------	-------	-----	------	----------	-----------	------	----------	------

Method: SW8021

Sample ID: 5ML RB

MBLK

Batch ID: R21120 Analysis Date: 10/20/2006 9:53:58 AM

Benzene ND µg/L 1.0

Toluene ND µg/L 1.0

Ethylbenzene ND µg/L 1.0

Xylenes, Total ND µg/L 3.0

Sample ID: 100NG BTEX LCS

LCS

Batch ID: R21120 Analysis Date: 10/20/2006 7:09:58 PM

Benzene 20.90 µg/L 1.0 104 85 115

Toluene 20.98 µg/L 1.0 105 85 118

Ethylbenzene 20.91 µg/L 1.0 105 85 116

Xylenes, Total 43.13 µg/L 3.0 108 85 119

Qualifiers:

E Value above quantitation range

J Analyte detected below quantitation limits

R RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name BLAGG

Date and Time Received:

10/18/2006

Work Order Number 0610182

Received by GLS

Checklist completed by

Signature

Date

Matrix

Carrier name Greyhound

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☒

No ☐

Not Present ☐

Not Shipped ☐

Custody seals intact on sample bottles?

Yes ☐

No ☐

N/A ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels?

Yes ☒

No ☐

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Water - VOA vials have zero headspace?

No VOA vials submitted ☐

Yes ☒

No ☐

Water - pH acceptable upon receipt?

Yes ☐

No ☐

N/A ☒

Container/Temp Blank temperature?

1°

4° C ± 2 Acceptable

If given sufficient time to cool.

COMMENTS

Client contacted

Date contacted:

Person contacted

Contacted by:

Regarding

Comments:

Corrective Action