

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
.0 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
March 12, 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 PROD. CO.</u> Telephone: <u>(505) 326-9200</u>		RCVD APR3'07 OIL CONS. DIV.
Address: <u>200 Energy Court, Farmington, NM 87410</u>		
Facility or well name: <u>JONES A LS #3A</u>	API #: <u>30-045-23769</u>	U L or Qtr Qtr <u>D</u> Sec <u>BIST.28N</u> R <u>8W</u>
County: <u>San Juan</u> Latitude <u>36.66636</u> Longitude <u>107.67454</u>	NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐	
Pit Type: Drilling ☐ Production ☐ Disposal ☒ DEHYDRATOR Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type: Synthetic ☐ Thickness _____ mil Clay ☐ Volume _____ bbl	Below-grade tank Volume _____ bbl Type of fluid: _____ Construction material: <u>N/A</u> Double-walled with leak detection? ☒ 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)
	50 feet or more, but less than 100 feet	(10 points) 0
	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) 0
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) 0
	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 relationship to other equipment and tanks. (2) Indicate disposal location: 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.

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: 04/29/04

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

Signature: [Signature]

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:

Date: AUG 10 2007

Printed Name/Title: Deputy Oil & Gas Inspector, District #3

Signature: [Signature]

CLIENT: <u>BP</u>	BLAGG ENGINEERING, INC. P.O. BOX 87, BLOOMFIELD, NM 87413 (505) 632-1199	LOCATION NO: <u>81366</u> COCR NO: <u>12051</u>
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FIELD REPORT: PIT CLOSURE VERIFICATION

PAGE No: 1 of 1

LOCATION: NAME: <u>JONES A LS</u> WELL#: <u>3A</u> TYPE: <u>DEHY</u> QUAD/UNIT: <u>D</u> SEC: <u>15</u> TWP: <u>28N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SS</u> ST: <u>NM</u> QTR/FOOTAGE: <u>840'N/830'W</u> NW/NE CONTRACTOR: <u>HD (JOAQUIN)</u>	DATE STARTED: <u>4-27-04</u> DATE FINISHED: <u>4-27-04</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>
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EXCAVATION APPROX. 24 FT. x 24 FT. x 5 FT. DEEP. CUBIC YARDAGE: 16

DISPOSAL FACILITY: ONSITE REMEDIATION METHOD: LF

LAND USE: RANGE - BLM LEASE: SF 078390 FORMATION: MV

FIELD NOTES & REMARKS:

PIT LOCATED APPROXIMATELY 40 FT. N67W FROM WELLHEAD.

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000

NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

OVM CALIB. READ. = 52.7 ppm
 OVM CALIB. GAS = 100 ppm RF = 0.52
 TIME: 1028 am/pm DATE 4-27-04

SOIL TYPE: (SAND) / SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK S.S. @ 5' BG

SOIL COLOR: GRAY

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

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 - GRAY

HC ODOR DETECTED: (YES) / NO EXPLANATION - STRONG

SAMPLE TYPE: (GRAB) / COMPOSITE - # OF PTS. 1

ADDITIONAL COMMENTS: EARTHEN PIT 24' x 24' x 3' DEEP. USE BACKHOE TO REMOVE CONTAMINANTS TO BEDROCK FOUND @ 5' BG.

BEDROCK BOTTOM

SCALE

0 FT

FIELD 418.1 CALCULATIONS

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

PIT PERIMETER

OVM READING

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 5'	171
2 @	
3 @	
4 @	
5 @	

PIT PROFILE

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
1 @ 5'	TPA/BTEX	1020
	CHLORIDE	

ALL PASSED

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

TRAVEL NOTES:

CALLOUT: 4-27-04 0740 ONSITE: 4-27-04 0950

ENVIROTECH LABS

PRactical SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

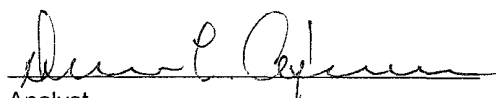
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	04-29-04
Laboratory Number:	28525	Date Sampled:	04-27-04
Chain of Custody No:	12051	Date Received:	04-28-04
Sample Matrix:	Soil	Date Extracted:	04-28-04
Preservative:	Cool	Date Analyzed:	04-29-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

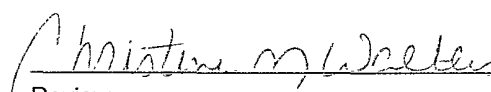
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	28.8	0.2
Diesel Range (C10 - C28)	35.9	0.1
Total Petroleum Hydrocarbons	64.7	0.2

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: Jones A LS 3A Dehy Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	04-29-04
Laboratory Number:	28525	Date Sampled:	04-27-04
Chain of Custody:	12051	Date Received:	04-28-04
Sample Matrix:	Soil	Date Analyzed:	04-29-04
Preservative:	Cool	Date Extracted:	04-28-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	ND	2.2
o-Xylene	ND	1.0
Total BTEX	ND	

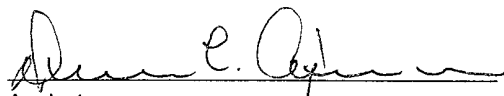
ND - Parameter not detected at the stated detection limit.

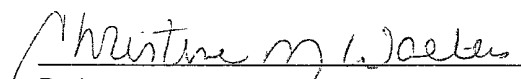
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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: Jones A LS 3A Dehy. Pit.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

Total Chloride

Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 5'	Date Reported:	04-29-04
Lab ID#:	28525	Date Sampled:	04-27-04
Sample Matrix:	Soil Extract	Date Received:	04-28-04
Preservative:	Cool	Date Analyzed:	04-29-04
Condition:	Cool and Intact	Chain of Custody:	12051

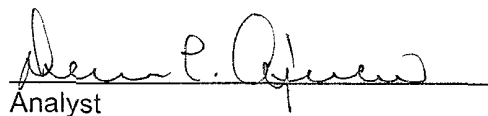
Parameter	Concentration (mg/L)
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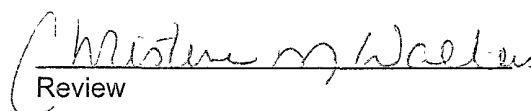
Total Chloride

5.6

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

Comments: Jones A LS 3A Dehy Pit.


Analyst


Review

CLIENT:

BP

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

LOCATION NO

B1366

C.O.C. NO

14547

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: JONES A LS WELL#: 3A PITS: DEHY.

DATE STARTED: 3/28/06

QUAD/UNIT: D SEC: 1S TWP: 28N RNG: 8W PM: NM CNTY: SJ ST: NM

DATE FINISHED:

QTR/FOOTAGE

ND/NW

CONTRACTOR:

ENVIRONMENTAL
SPECIALIST:

NV

SOIL REMEDIATION:

REMEDATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE:

LAND USE: RANGE - BLM

LIFT DEPTH (ft):

0.5 - 1

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER:

>100'

NEAREST SURFACE WATER:

>1,000'

NEAREST WATER SOURCE

>1,000'

NMOC D RANKING SCORE:

0

NMOC D TPH CLOSURE STD

5,000

PPM

SOIL TYPE: ~~SAND~~ ~~SILTY SAND~~ SILT / SILTY CLAY / CLAY / GRAVEL / OTHER: BERCK FRAGMENTSSOIL COLOR: LT. BROWN TO OLIVE BLACKCOHESION (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

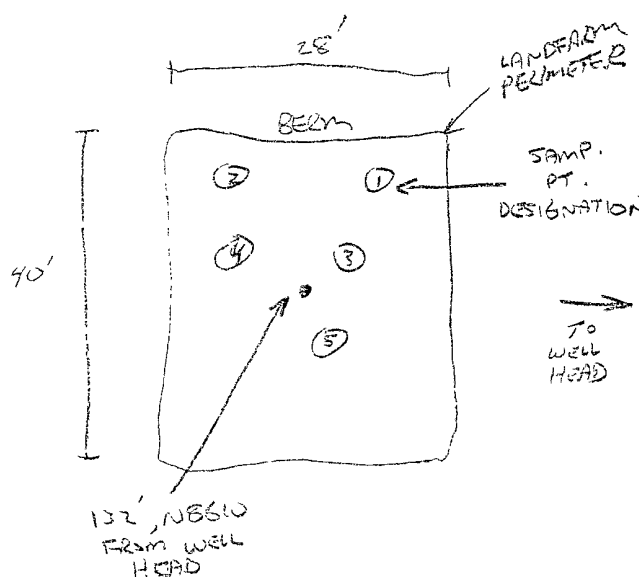
MOISTURE: DRY SLIGHTLY MOIST MOIST / WET / SATURATED / SUPER SATURATED

CLOSED

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION: OLIVE BLACK IN ALL TAMP. PTS.HC ODOR DETECTED: YES / NO EXPLANATION: SLIGHTLY IN DISCOLORED PORTION IN ALL SAMPLE PTS.SAMPLING DEPTHS (LANDFARMS): 6-8 (INCHES)SAMPLE TYPE: GRAB / COMPOSITE # OF PTS: 5

ADDITIONAL COMMENTS:

SKETCH/SAMPLE LOCATIONS



OVM CALIB. READ. = 53.6 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 9:50 a.m./p.m. DATE: 3/24/06

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (30158)	1230	149

P.C. - 4/27/04

SCALE



0

FT

TRAVEL NOTES: CALLOUT:

N/A

ONSITE:

3/28/06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

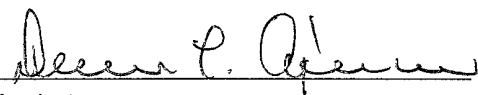
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	03-30-06
Laboratory Number:	36626	Date Sampled:	03-28-06
Chain of Custody No:	14547	Date Received:	03-29-06
Sample Matrix:	Soil	Date Extracted:	03-29-06
Preservative:	Cool	Date Analyzed:	03-30-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

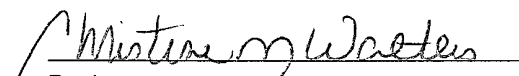
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	149	0.1
Total Petroleum Hydrocarbons	149	0.2

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: **Jones A LS #3A Landfarm 5 Pt. Composite Sample.**


Analyst


Review

1205 -

san juan reproduction 578-129

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	04-29-TPH QA/QC	Date Reported:	04-29-04
Laboratory Number:	28521	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-29-04
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	02-19-04	1.8591E-002	1.8572E-002	0.10%	0 - 15%
Diesel Range C10 - C28	02-19-04	1.5507E-002	1.5492E-002	0.10%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

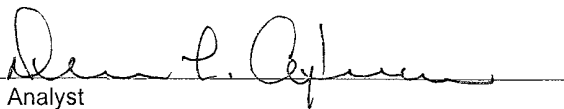
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	11.3	11.2	0.9%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

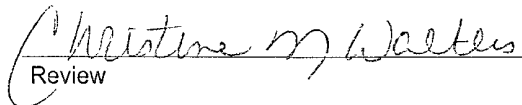
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	11.3	250	251	99.8%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

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 28521 - 28526.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	04-29-BTEX QA/QC	Date Reported:	04-29-04
Laboratory Number:	28512	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-29-04
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff:	Blank Conc	Detect Limit
		Accept. Range 0 - 15%			
Benzene	4.2776E-002	4.2905E-002	0.3%	ND	0.2
Toluene	4.8966E-002	4.9064E-002	0.2%	ND	0.2
Ethylbenzene	7.4036E-002	7.4259E-002	0.3%	ND	0.2
p,m-Xylene	6.8275E-002	6.8480E-002	0.3%	ND	0.2
o-Xylene	5.5866E-002	5.5978E-002	0.2%	ND	0.1

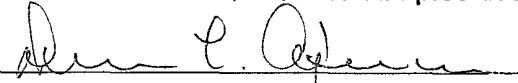
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	ND	ND	0.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	ND	ND	0.0%	0 - 30%	2.2
o-Xylene	ND	ND	0.0%	0 - 30%	1.0

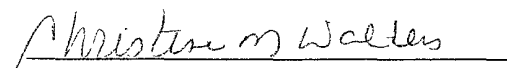
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	ND	50.0	49.9	99.8%	46 - 148
Ethylbenzene	ND	50.0	49.9	99.8%	32 - 160
p,m-Xylene	ND	100	99.9	99.9%	46 - 148
o-Xylene	ND	50.0	49.9	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
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 28512 - 28518, 28525.


Analyst


Review

CHAIN OF CUSTODY RECORD

14547

Client / Project Name <i>BLAGE / BP</i>			Project Location <i>JONES A LS = 3A</i>		ANALYSIS / PARAMETERS								
Sampler: <i>NV</i>			Client No. <i>94034-010</i>		No. of Containers <i>1 (7015E)</i>							Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								<i>RESERVED Cool</i>	
<i>LF-1</i>	<i>3/28/06</i>	<i>1220</i>	<i>36626</i>	<i>SOIL</i>	<i>1</i>	<i>✓</i>						<i>LANDFILL</i>	
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>3/29/06</i>	Time <i>0741</i>	Received by: (Signature) <i>[Signature]</i>			Date <i>3/29/06</i>	Time <i>0741</i>				
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	<i>✓</i>		
										Cool - Ice/Blue Ice	<i>✓</i>		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	03-30-06 QA/QC	Date Reported:	03-30-06
Laboratory Number:	36626	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-30-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	02-04-05	1.0065E+003	1.0075E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	1.0021E+003	1.0041E+003	0.20%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

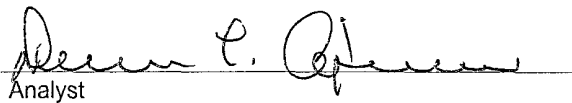
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	149	147	0.9%	0 - 30%

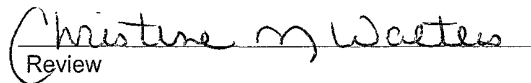
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	149	250	398	99.9%	75 - 125%

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 36626 - 36631, 36641 - 36643.


Analyst


Review