

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
20 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

RCUD APR10'07
OIL CONS. DIV.

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 ☒

DIST. 3

Operator: <u>BP AMERICA PROD. CO.</u> Telephone: <u>(505) 326-9200</u>	
Address: <u>200 Energy Court, Farmington, NM 87410</u>	
Facility or well name: <u>VANDEWART COM #3E</u>	API #: <u>30-045-25966</u> U/L or Qtr/Qt: <u>A</u> Sec: <u>13</u> T: <u>29N</u> R: <u>8W</u>
County: <u>San Juan</u> Latitude: <u>36.73029</u> Longitude: <u>107.62203</u> NAD 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐	
Pit Type: Drilling ☐ Production ☐ Disposal ☒ SEPARATOR 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? <u>Yes</u> ☒ 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: 05/23/04

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: AUG 09 2007

Date: _____
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>B1392</u> COCR NO: <u>12195</u>																																																
FIELD REPORT: PIT CLOSURE VERIFICATION		PAGE No: <u>1</u> of <u>1</u>																																																
LOCATION: NAME: <u>VANDEWART COM</u> WELL #: <u>3E</u> TYPE: <u>SEP</u> QUAD/UNIT <u>A</u> SEC: <u>13</u> TWP: <u>29N</u> RNG: <u>8W</u> PM: <u>NM</u> CNTY: <u>SJ</u> ST: <u>NM</u> QTR/FOOTAGE: <u>790N/940E</u> NEWE CONTRACTOR: <u>HD (ONCFRE)</u>		DATE STARTED: <u>5-20-04</u> DATE FINISHED: <u>5-20-04</u> ENVIRONMENTAL SPECIALIST: <u>JCB</u>																																																
EXCAVATION APPROX. <u>NA</u> FT. x <u>NA</u> FT. x <u>NA</u> FT. DEEP. CUBIC YARDAGE: <u>0</u>																																																		
DISPOSAL FACILITY: <u>NA</u> REMEDIATION METHOD: <u>CLOSE AS IS</u>																																																		
LAND USE: <u>RANGE - BLM</u> LEASE: <u>NM 76340</u> FORMATION: <u>DK</u>																																																		
FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY <u>123</u> FT. <u>S 30 W</u> FROM WELLHEAD.																																																		
DEPTH TO GROUNDWATER: <u>>100</u> NEAREST WATER SOURCE: <u>>1000</u> NEAREST SURFACE WATER: <u>>1000</u>																																																		
NMOCD RANKING SCORE: <u>0</u> NMOCD TPH CLOSURE STD: <u>5000</u> PPM																																																		
SOIL AND EXCAVATION DESCRIPTION: OVM CALIB. READ. = <u>52.6</u> ppm OVM CALIB. GAS = <u>100</u> ppm RF = 0.52 TIME: <u>1224</u> am/pm DATE <u>5-20-04</u>																																																		
SOIL TYPE SAND / SILTY SAND / SILT <u>(SILTY CLAY)</u> / CLAY / GRAVEL / OTHER <u>BEDROCK S.S. Q.E. Bk</u> SOIL COLOR _____ COHESION (ALL OTHERS): NON COHESIVE <u>(SLIGHTLY COHESIVE)</u> / COHESIVE / HIGHLY COHESIVE CONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSE PLASTICITY (CLAYS) <u>(NON PLASTIC)</u> / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTIC DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD MOISTURE DRY <u>(SLIGHTLY MOIST)</u> / MOIST / WET / SATURATED / SUPER SATURATED DISCOLORATION/STAINING OBSERVED: <u>(YES)</u> / NO EXPLANATION - <u>MINOR</u> HC ODOR DETECTED <u>(YES)</u> / NO EXPLANATION - <u>MINOR</u> SAMPLE TYPE GRAB / COMPOSITE - # OF PTS. _____ ADDITIONAL COMMENTS: <u>30" x 15" x 4" DEEP EARTHEN PIT. USE BACKHOE TO DIG -</u> <u>BEDROCK BOTTOM</u> <u>TEST HOLE. MINOR STAINING ON PIT SIDEWALLS</u>																																																		
FIELD 418.1 CALCULATIONS																																																		
SCALE 0 FT	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>SAMP. TIME</th> <th>SAMP. ID</th> <th>LAB NO.</th> <th>WEIGHT (g)</th> <th>mL FREON</th> <th>DILUTION</th> <th>READING</th> <th>CALC. (ppm)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)																																								
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PD = PIT DEPRESSION, B.G. = BELOW GRADE; B = BELOW TH = TEST HOLE, ~ = APPROX.; T.B. = TANK BOTTOM																																																		
TRAVEL NOTES: CALLOUT: <u>5/20/04</u> ONSITE: <u>5/20/04</u>																																																		

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

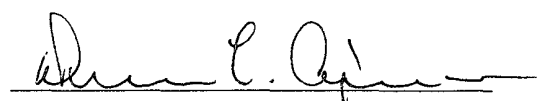
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 8'	Date Reported:	05-23-04
Laboratory Number:	28769	Date Sampled:	05-20-04
Chain of Custody No:	12195	Date Received:	05-20-04
Sample Matrix:	Soil	Date Extracted:	05-21-04
Preservative:	Cool	Date Analyzed:	05-23-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

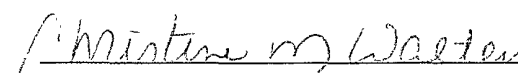
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: **Vandewart Com 3E Sep. Pit.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

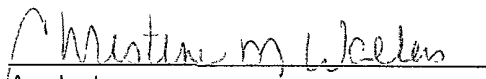
Total Chloride

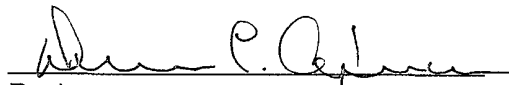
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	1 @ 8'	Date Reported:	05-21-04
Lab ID#:	28769	Date Sampled:	05-20-04
Sample Matrix:	Soil	Date Received:	05-20-04
Preservative:	Cool	Date Analyzed:	05-21-04
Condition:	Cool and Intact	Chain of Custody:	12195

Parameter	Concentration (mg/Kg)
Total Chloride	96.0

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

Comments: Vandewart Com 3E Sep. Pit.


Analyst


Review

CLIENT: BPBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: 81392C.O.C. NO: 14615

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: VANDEWART Com WELL #: 3E PITS: DEHY
QUAD/UNIT: A SEC: 13 TWP: 29N RNG: 8W PM: NM CNTY: ST ST: NM
QTR/FOOTAGE: _____ NEWE CONTRACTOR: _____DATE STARTED 3/29/06

DATE FINISHED _____

ENVIRONMENTAL
SPECIALIST NV

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARM

APPROX. CUBIC YARDAGE: _____

LAND USE: RANGE - BLMLIFT DEPTH (ft): 1FIELD 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 PPMSOIL TYPE: (SAND) SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER RED ROCK FRAGMENTSSOIL COLOR: PALE YELL. BROWNCOHESION (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

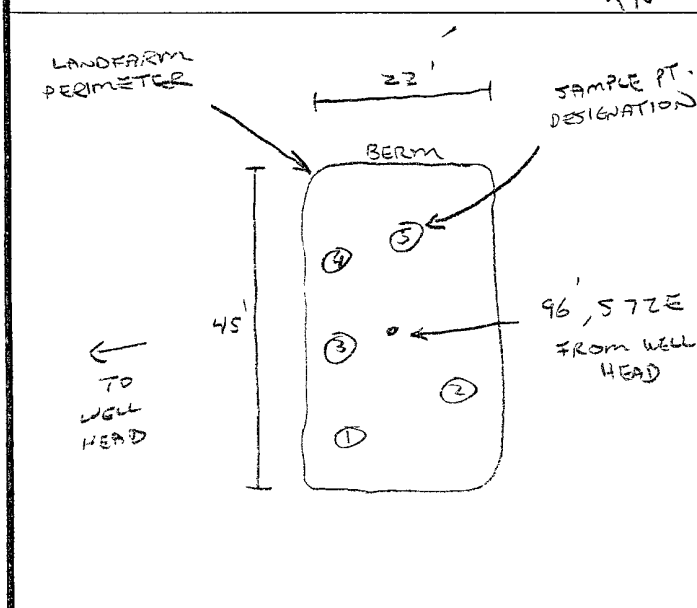
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / (SLIGHTLY MOIST) MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES (NO) EXPLANATION - _____HC ODOR DETECTED: YES (NO) EXPLANATION - _____SAMPLING DEPTHS (LANDFARMS): 4-8 (INCHES)SAMPLE TYPE GRAB (COMPOSITE) # OF PTS. 5

ADDITIONAL COMMENTS: _____

CLOSED

SKETCH/SAMPLE LOCATIONS

OVM CALIB. READ. = 53.2 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 7:45 @m/pm DATE: 3/29/06

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (32153)	0940	3.3

SCALE

0 FT

TRAVEL NOTES: CALLOUT: N/AONSITE: 3/29/06

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

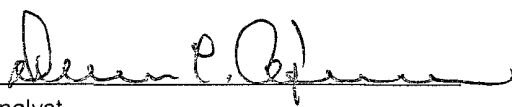
Client:	Blagg / BP	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	03-31-06
Laboratory Number:	36645	Date Sampled:	03-29-06
Chain of Custody No:	14615	Date Received:	03-30-06
Sample Matrix:	Soil	Date Extracted:	03-30-06
Preservative:	Cool	Date Analyzed:	03-31-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

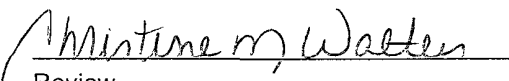
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	3.3	0.1
Total Petroleum Hydrocarbons	3.3	0.2

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: **Vandewart Com #3E Landfarm 5 Pt. Composite Sample.**


Analyst


Review

CHAIN OF CUSTODY RECORD

12155

Client / Project Name BLAC/BP			Project Location VANDEWART COM 3E		ANALYSIS / PARAMETERS								
Sampler: J-C-Begg			Client No. 94034-010		No. of Containers	TPH 8015	BTEX 8021	CHLORIDE				Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
① @ 7'	5/20/04	1240	28767	SOIL									
① @ 5'	"	1249	28768	"									
① @ 8'	"	1258	28769	"	1	X	X	X				DEHT PIT	
					1	X		X				PROD. PIT	
					1	X		X				SEP. PIT	
Relinquished by: (Signature) J-C-Begg			Date 5/20/04	Time 1425	Received by: (Signature) [Signature]			Date 5/20/04	Time 1425				
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	☒	☒	
										Cool - Ice/Blue Ice	☒	☒	

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:	02-23-TPH QA/QC	Date Reported:	05-23-04
Laboratory Number:	28767	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-23-04
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

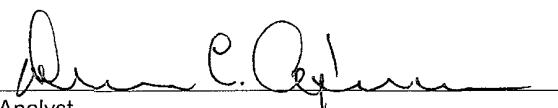
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	203	202	0.4%	0 - 30%
Diesel Range C10 - C28	37.7	37.6	0.3%	0 - 30%

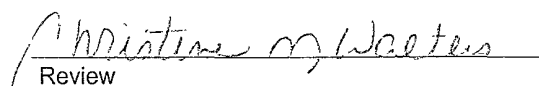
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	203	250	452	99.8%	75 - 125%
Diesel Range C10 - C28	37.7	250	287	99.8%	75 - 125%

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 28767 - 28769, 28789 - 28793.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: N/A
Sample ID: 05-23-BTEX QA/QC
Laboratory Number: 28767
Sample Matrix: Soil
Preservative: N/A
Condition: N/A

Project #: N/A
Date Reported: 05-23-04
Date Sampled: N/A
Date Received: N/A
Date Analyzed: 05-23-04
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

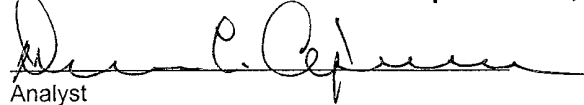
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	79.1	77.7	1.8%	0 - 30%	1.8
Toluene	851	834	2.0%	0 - 30%	1.7
Ethylbenzene	949	930	2.0%	0 - 30%	1.5
p,m-Xylene	1,930	1,900	1.6%	0 - 30%	2.2
o-Xylene	1,550	1,520	1.9%	0 - 30%	1.0

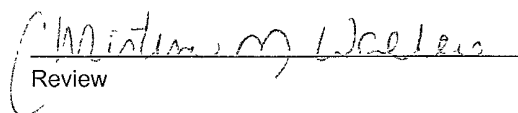
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	79.1	50.0	129	99.8%	39 - 150
Toluene	851	50.0	900	99.8%	46 - 148
Ethylbenzene	949	50.0	997	99.8%	32 - 160
p,m-Xylene	1,930	100	2,020	99.5%	46 - 148
o-Xylene	1,550	50.0	1,590	99.4%	46 - 148

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 28767, 28789, 28791 - 28793.


Analyst


Review

CHAIN OF CUSTODY RECORD

14615

Client / Project Name <i>BLAKE / CP</i>			Project Location <i>VANDENHART CORP. #3E</i>		ANALYSIS / PARAMETERS								
Sampler: <i>NH</i>			Client No. <i>94034-010</i>		No. of Containers <i>1 PM (80156)</i>						Remarks <i>PRESERVED COOL 5 FT. COMPOSITE SAMPLE</i>		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
<i>L</i>	<i>3/29/06</i>	<i>0740</i>	<i>36645</i>	<i>SOIL</i>	<i>1</i>	<i>✓</i>					<i>LANDFILL</i>		
Relinquished by: (Signature) <i>[Signature]</i>			Date <i>3/30/06</i>	Time <i>0748</i>	Received by: (Signature) <i>[Signature]</i>					Date <i>3/30/06</i>	Time <i>8:48</i>		
Relinquished by: (Signature) <i>[Signature]</i>					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:	03-31-06 QA/QC	Date Reported:	03-31-06
Laboratory Number:	36633	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-31-06
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	9.9900E+002	1.0000E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	9.9800E+002	1.0000E+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

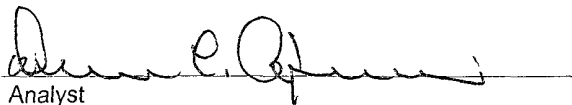
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	3.2	3.2	0.0%	0 - 30%

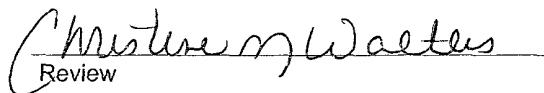
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	3.2	250	253	99.9%	75 - 125%

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 36633 - 36639, 36645 - 36647.


Analyst


Review