

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 <u>XTO ENERGY INC.</u> Telephone <u>(505)-324-1090</u> e-mail address _____	
Address <u>2700 FARMINGTON AVE.. BLDG. K. SUITE 1. FARMINGTON. NM 87401</u>	
Facility or well name <u>RANDEL, O. H. #1E</u> API # <u>30-045- 24165</u> U/L or Qtr/Qtr <u>I</u> Sec <u>9</u> T <u>26N</u> R <u>11W</u>	
County <u>SAN JUAN</u> Latitude <u>36.49925</u> Longitude <u>108.00201</u> NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐	
Pit Type: Drilling ☐ Production ☐ Disposal ☒ <u>SEP/COMPR</u> Workover ☐ Emergency ☐ Lined ☐ Unlined ☒ Liner type: Synthetic ☐ Thickness _____ mil Clay ☐ Pit Volume _____ bbl	Below-grade tank Volume _____ bbl Type of fluid _____ Construction material <u>NA</u> Double-walled, with leak detection? Yes ☐ No ☒ 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) 100 feet or more (0 points) 0
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) 1000 feet or more (0 points) 0
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: (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. PIT LOCATED APPROXIMATELY 111 FT. SOE FROM WELL HEAD.
PIT EXCAVATION: WIDTH 15 ft., LENGTH 16 ft., DEPTH 9 ft.
PIT REMEDIATION: CLOSE AS IS: ☐ , LANDFARM: ☒ , COMPOST: ☐ , STOCKPILE: ☐ , OTHER ☐ (explain)
Cubic yards: <u>80</u>
BEDROCK BOTTOM

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 10/25/04

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

Deputy Oil & Gas Inspector,
District #3
Approval: _____ Signature BAH Date: SEP 10 2007
Printed Name/Title _____

CLIENT: XTO

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

LOCATION NO: CT102COCR NO: 12927**FIELD REPORT: PIT CLOSURE VERIFICATION**PAGE No: 1 of 1LOCATION: NAME RANDEL, D.H. WELL # 1E TYPE: SEP/comp.DATE STARTED 10/21/04QUAD/UNIT I SEC 9 TWP: 26N RNG: 11W PM: NM CNTY: SJ ST: NM

DATE FINISHED

QTR/FOOTAGE: 1620'S/790'E NE/SE CONTRACTOR: HDI (HEBER)ENVIRONMENTAL SPECIALIST NVEXCAVATION APPROX. 15 FT. x 16 FT. x 9 FT. DEEP. CUBIC YARDAGE: 80DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMLAND USE: RANGE - NARI AREA LEASE: NM03153 FORMATION: DKFIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 111 FT. 50 E FROM WELLHEAD.DEPTH TO GROUNDWATER: >100' NEAREST WATER SOURCE >1000' NEAREST SURFACE WATER >1000'NMOCD RANKING SCORE 0 NMOCD TPH CLOSURE STD. 5000 PPM**SOIL AND EXCAVATION DESCRIPTION:**

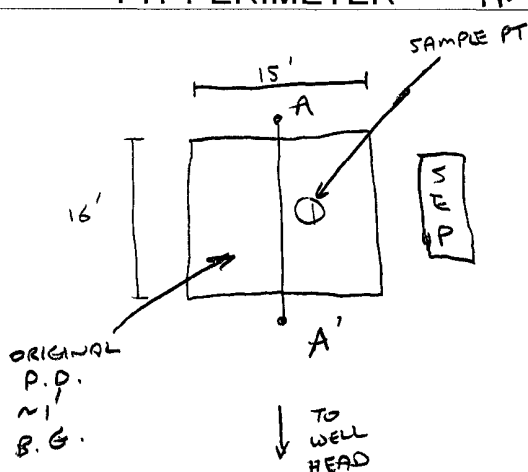
OVM CALIB. READ. = 52.1 ppm CHECK
 OVM CALIB. GAS = 100 ppm RF = 0.52
 TIME 12:50 am/pm DATE 10/21/04

SOIL TYPE: SANDY SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHER BEDROCK (SILTSTONE)SOIL COLOR OLIVE GRAY TO BLACKCOHESION (ALL OTHERS): NON COHESIVE / SLIGHTLY COHESIVE / COHESIVE / HIGHLY COHESIVECONSISTENCY (NON COHESIVE SOILS): LOOSE / FIRM / DENSE / VERY DENSEPLASTICITY (CLAYS) NON PLASTIC / SLIGHTLY PLASTIC / COHESIVE / MEDIUM PLASTIC / HIGHLY PLASTICDENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARDMOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED YES / NO EXPLANATION - ENTIRE EXCAVATED AREA.HC ODOR DETECTED: YES / NO EXPLANATION - EXCAVATED SOILSAMPLE TYPE GRAB / COMPOSITE - # OF PTS.ADDITIONAL COMMENTS COLLECTED SAMPLE FROM COMPACT SILTY SAND (TERMED - SILTSTONE). SILTSTONE
BEFORE BOTTOM
SOFT TO SLIGHTLY HARD, FLIABLE.CLOSED**SCALE**

0 FT

FIELD 418.1 CALCULATIONS

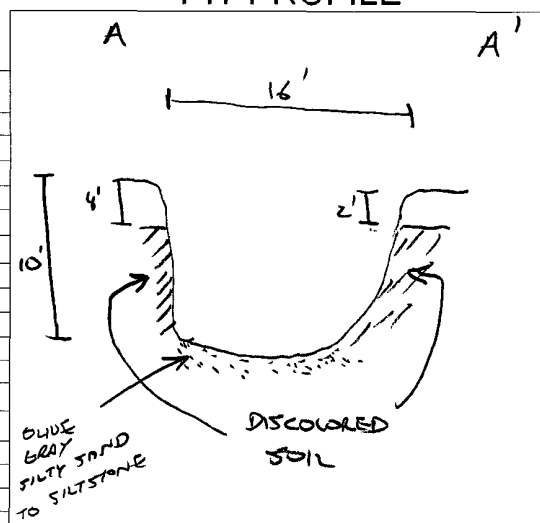
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

PIT PERIMETER**OVM READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 11	178.9
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
DE11	TPH (80158)	1242
"	BTEX (80218)	"
	<u>PASSED</u>	

PIT PROFILE

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

TRAVEL NOTES:CALLOUT: 10/21/04 - LATE MORN. ONSITE: 10/21/04 - AFTER.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

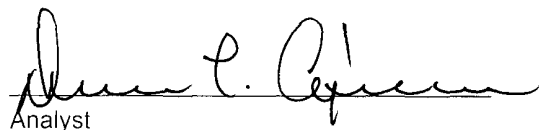
Client	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 11'	Date Reported:	10-25-04
Laboratory Number:	31036	Date Sampled:	10-21-04
Chain of Custody No:	12927	Date Received:	10-22-04
Sample Matrix:	Soil	Date Extracted:	10-23-04
Preservative	Cool	Date Analyzed:	10-25-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

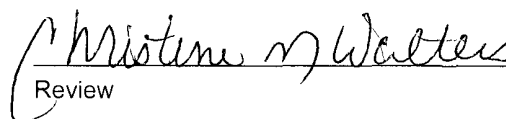
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	302	0.2
Diesel Range (C10 - C28)	229	0.1
Total Petroleum Hydrocarbons	531	0.2

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: **Randel, O.H. #1E Separator/Compressor Pit Grab Sample.**


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 11'	Date Reported:	10-25-04
Laboratory Number	31036	Date Sampled:	10-21-04
Chain of Custody:	12927	Date Received:	10-22-04
Sample Matrix:	Soil	Date Analyzed:	10-25-04
Preservative:	Cool	Date Extracted:	10-23-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	95.7	1.8
Toluene	72.7	1.7
Ethylbenzene	14.8	1.5
p,m-Xylene	474	2.2
o-Xylene	56.5	1.0
Total BTEX	714	

ND - Parameter not detected at the stated detection limit.

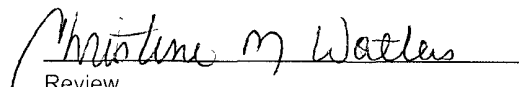
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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: Randel, O.H. #1E Separator/Compressor Pit Grab Sample.


Analyst


Review

CHAIN OF CUSTODY RECORD

12927

Client / Project Name BLAGG / XTO ENERGY			Project Location RANDEL, O.H. #1E		ANALYSIS / PARAMETERS								
Sampler: NJV			Client No. 94034-010		No. of Containers (30158)	TPH (8215)	BTEX (8215)					Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								PRESERVED COOL GRAB SAMPLE	
① @ 11'	10/21/04	1242	31036	SOIL	1	✓	✓					SEPARATOR / COMPRESSOR PIT	
Relinquished by: (Signature) [Signature]			Date 10/22/04	Time 0832	Received by: (Signature) [Signature]			Date 10/22/04	Time 0832				
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:	10-25-TPH QA/QC	Date Reported:	10-25-04
Laboratory Number:	31033	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-25-04
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	356	355	0.4%	0 - 30%
Diesel Range C10 - C28	12.0	11.9	0.8%	0 - 30%

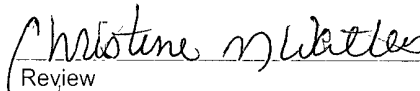
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	356	250	605	99.8%	75 - 125%
Diesel Range C10 - C28	12.0	250	261	99.8%	75 - 125%

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 31033 - 31037.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	N/A	Project #	N/A
Sample ID.	10-25-BTEX QA/QC	Date Reported:	10-25-04
Laboratory Number	31033	Date Sampled:	N/A
Sample Matrix	Soil	Date Received:	N/A
Preservative	N/A	Date Analyzed:	10-25-04
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	8.1713E-002	8.1959E-002	0.3%	ND	0.2
Toluene	5.5302E-002	5.5413E-002	0.2%	ND	0.2
Ethylbenzene	8.4042E-002	8.4295E-002	0.3%	ND	0.2
p,m-Xylene	7.6479E-002	7.6710E-002	0.3%	ND	0.2
o-Xylene	8.6529E-002	8.6703E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect Limit
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Benzene	44.7	45.5	1.8%	0 - 30%	1.8
Toluene	1,360	1,340	1.5%	0 - 30%	1.7
Ethylbenzene	526	516	2.0%	0 - 30%	1.5
p,m-Xylene	2,720	2,760	1.5%	0 - 30%	2.2
o-Xylene	1,580	1,610	1.9%	0 - 30%	1.0

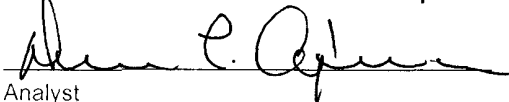
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
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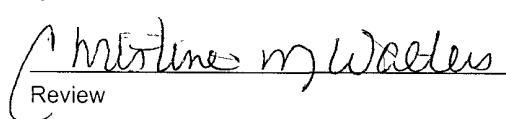
Benzene	44.7	50.0	94.6	99.9%	39 - 150
Toluene	1,360	50.0	1,410	100.0%	46 - 148
Ethylbenzene	526	50.0	575	99.8%	32 - 160
p,m-Xylene	2,720	100	2,810	99.6%	46 - 148
o-Xylene	1,580	50.0	1,630	100.0%	46 - 148

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 31033, 31035 - 31036.


Analyst


Review

CLIENT: XTOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: CT102C.O.C. NO: 14523

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: RANDEL O.H. WELL #: 1E PITS: SEP/COMPR.DATE STARTED: 12/30/05QUAD/UNIT: I SEC: 9 TWP: 26N RNG: 14W PM: NM CNTY: ST ST: NM

DATE FINISHED: _____

QTR/FOOTAGE: NE/SE CONTRACTOR: HDTENVIRONMENTAL SPECIALIST: NV

SOIL REMEDIATION:

REMEDATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 80LAND USE: RANGE - NARI AREALIFT DEPTH (ft): 0.5

FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100' NEAREST SURFACE WATER: >1,000'NEAREST WATER SOURCE: >1,000' NMOCD RANKING SCORE: 0 NMOCD TPH CLOSURE STD: 5,000 PPMSOIL TYPE: SAND/SILTY SAND/SILT / SILTY CLAY / CLAY / GRAVEL / OTHER SHALE FRAGMENTSSOIL COLOR: VERY PALE ORANGE TO DUSKY RED

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

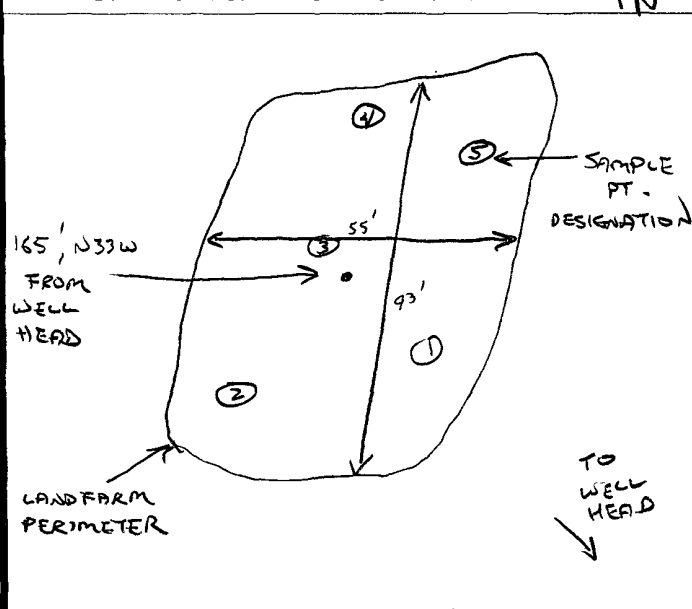
MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATED

DISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION: _____HC ODOR DETECTED: YES / NO EXPLANATION: _____SAMPLING DEPTHS (LANDFARMS): 4-6 (INCHES)SAMPLE TYPE: GRAB / COMPOSITE - # OF PTS. 5

ADDITIONAL COMMENTS: _____

CLOSED

SKETCH/SAMPLE LOCATIONS

OVM CALIB. READ. = 53.4 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 11:45 am DATE: 12/30/05

OVM RESULTS

SAMPLE ID	FIELD HEADSPACE (ppm)
LF-1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	TPH	1015	301

P.C. -10/21/05

SCALE



0 FT

TRAVEL NOTES: CALLOUT: N/AONSITE: 12/30/05

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

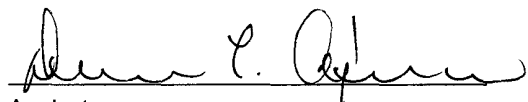
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	01-04-06
Laboratory Number:	35604	Date Sampled:	12-30-05
Chain of Custody No:	14523	Date Received:	01-03-06
Sample Matrix:	Soil	Date Extracted:	01-03-06
Preservative:	Cool	Date Analyzed:	01-04-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

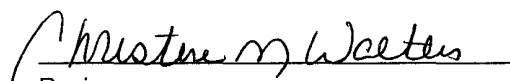
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	301	0.1
Total Petroleum Hydrocarbons	301	0.2

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: **Randel, O.H. #1E Landfarm 5 Pt. Composite Sample.**


Analyst


Review

CHAIN OF CUSTODY RECORD

14523

Client / Project Name BLAGG / XTO ENERGY			Project Location RANDEL, O.H. #1E		ANALYSIS / PARAMETERS								
Sampler: NV			Client No. 94034-010		No. of Containers TPH (3015B)						Remarks PRESERVED COOL 5 FT. COMPOSITE SAMPLE		
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									
LF-1	12/30/05	1015	35604	SOIL	1	✓					LANDFARM		
Relinquished by: (Signature) [Signature]			Date 1/3/06	Time 0830	Received by: (Signature) M Bruce			Date 1/3/06	Time 0830				
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:	01-04-06 QA/QC	Date Reported:	01-04-06
Laboratory Number:	35599	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-04-06
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	9.9731E+002	9.9831E+002	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	9.9853E+002	1.0005E+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

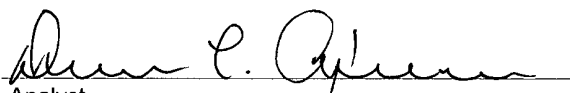
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	2.5	2.4	4.0%	0 - 30%

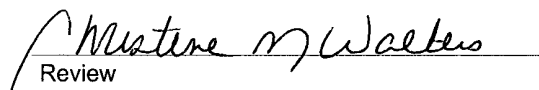
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	2.5	250	252	99.9%	75 - 125%

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 35599 - 35607, 35609.


Analyst


Review