

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: **XTO ENERGY INC.** Telephone: **(505)-324-1090** e-mail address: _____
Address: **2700 FARMINGTON AVE.. BLDG. K. SUITE 1. FARMINGTON. NM 87401**
Facility or well name: **HUBBELL GC C #1E** API #: **30-045- 24114** U/L or Qtr/Qtr **I** Sec **29** T **28N** R **10W**
County: **SAN JUAN** Latitude **36.63043** Longitude **107.91365** 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 ☐

Pit Volume _____ bbl

Below-grade tank

Volume: _____ bbl Type of fluid: _____

Construction material: _____

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
50 feet or more, but less than 100 feet
100 feet or more

(20 points)
(10 points) **0**
(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
No

(20 points)
(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
200 feet or more, but less than 1000 feet
1000 feet or more

(20 points)
(10 points) **0**
(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 (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 168 FT. S72W FROM WELL HEAD.**

PIT EXCAVATION: WIDTH NA ft., LENGTH NA ft., DEPTH NA ft. .

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

Cubic yards:

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: **11/11/04**

Printed Name/Title **Jeff Blagg – P.E. # 11607**

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:

**Deputy Oil & Gas Inspector,
District #3**

Printed Name/Title _____

Signature _____

Date: _____

SEP 10 2007

CLIENT. XTO**BLAGG ENGINEERING, INC.**
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: CT115COCR NO: 12938**FIELD REPORT: PIT CLOSURE VERIFICATION**PAGE No: 1 of 1LOCATION: NAME: HUBBELL GC C WELL #: 1E TYPE: SEP.DATE STARTED: 11/9/04QUAD/UNIT: I SEC: 29 TWP: 28N RNG: 10W PM: NM CNTY: ST ST: NM

DATE FINISHED:

QTR/FOOTAGE: 1600'S/1070'E NEISE CONTRACTOR: KELCO (THOMAS)ENVIRONMENTAL
SPECIALIST: NVEXCAVATION APPROX. 15 FT. x 16 FT. x 11 FT. DEEP. CUBIC YARDAGE: 100DISPOSAL FACILITY: ON-SITE REMEDIATION METHOD: LANDFARMLAND USE: RANGE - BLM LEASE: SF 078715 FORMATION: OK**FIELD NOTES & REMARKS:**PIT LOCATED APPROXIMATELY 168 FT. S72W FROM WELLHEAD.DEPTH TO GROUNDWATER: >100'NEAREST WATER SOURCE: >1000'NEAREST SURFACE WATER: >1000'NMOCD RANKING SCORE 0NMOCD TPH CLOSURE STD: 5000 PPM**SOIL AND EXCAVATION DESCRIPTION:**OVM CALIB. READ. = 57.9 ppm
OVM CALIB. GAS = 100 ppm RF = 0.52
TIME: 10:10 am/pm DATE: 11/9/04SOIL TYPE: SAND SILTY SAND / SILT / SILTY CLAY / CLAY / GRAVEL / OTHERSOIL COLOR: DK. YELL. ORANGE 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: MED GRAY TO BLACK SEC. 3 1/2' - PIT BOTTOM ~13'HC ODOR DETECTED: YES / NO EXPLANATION: DISCOLORED SOIL.SAMPLE TYPE: GRAB COMPOSITE - # OF PTS. 1

ADDITIONAL COMMENTS:

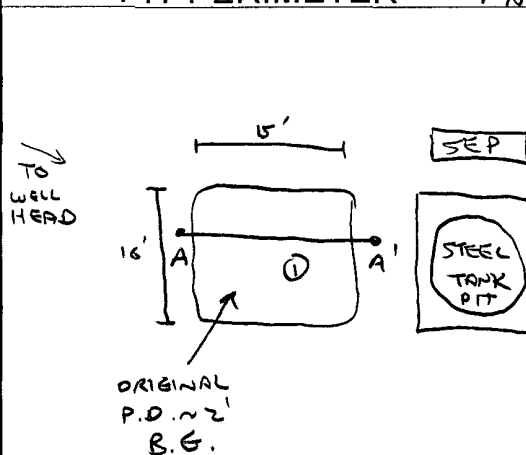
FIELD 418.1 CALCULATIONS

SCALE



0 FT

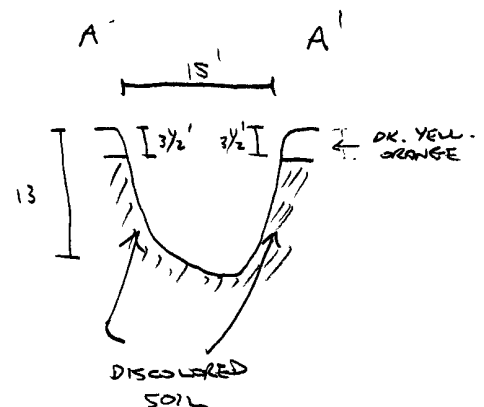
SAMP. TIME	SAMP. ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (ppm)

PIT PERIMETER**OVM
READING**

SAMPLE ID	FIELD HEADSPACE (ppm)
1 @ 13'	337
2 @	
3 @	
4 @	
5 @	

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME
0213	TPH (30158)	0935
"	BTEX (30218)	"
	<u>PASSED</u>	

PIT PROFILEP.D. = PIT DEPRESSION, B.G. = BELOW GRADE; B = BELOW
T.H. = TEST HOLE; ~ = APPROX.; T.B. = TANK BOTTOM**TRAVEL NOTES:**CALLOUT: 11/8/04 - MORN.ONSITE: 11/9/04 - MORN. (SCHED.)

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

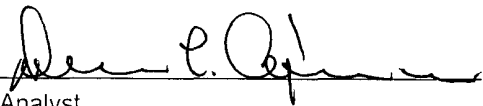
Client:	Blagg / XTO Energy	Project #:	94034-010
Sample ID:	1 @ 12'	Date Reported:	11-11-04
Laboratory Number:	31181	Date Sampled:	11-09-04
Chain of Custody No:	12938	Date Received:	11-09-04
Sample Matrix:	Soil	Date Extracted:	11-10-04
Preservative:	Cool	Date Analyzed:	11-11-04
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

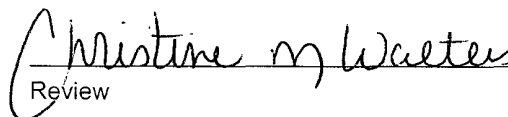
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

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: Hubbell GC C #1E Separator 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 @ 12'	Date Reported:	11-11-04
Laboratory Number:	31181	Date Sampled:	11-09-04
Chain of Custody:	12938	Date Received:	11-09-04
Sample Matrix:	Soil	Date Analyzed:	11-11-04
Preservative:	Cool	Date Extracted:	11-10-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	22.1	1.8
Toluene	22.4	1.7
Ethylbenzene	11.2	1.5
p,m-Xylene	98.8	2.2
o-Xylene	27.5	1.0
Total BTEX	182	

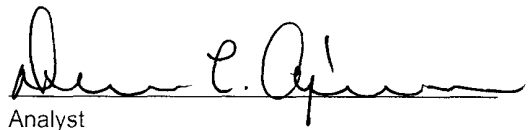
ND - Parameter not detected at the stated detection limit.

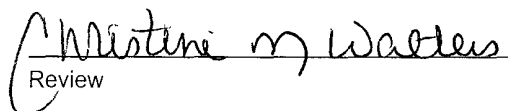
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98 %
	1,4-difluorobenzene	98 %
	Bromochlorobenzene	98 %

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: Hubbell GC C #1E Separator Pit Grab Sample.


Analyst


Review

CHAIN OF CUSTODY RECORD

12939

Client / Project Name BLAGG / XTO ENERGY			Project Location HUBBELL GC C #1E		ANALYSIS / PARAMETERS								
Sampler: NTV			Client No. Q4084-010		No. of Containers	TPH (301.56)	BTEX (302.18)					Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix								PRESERVED COOL GRAB SAMPLES	
① @ 13'	11/9/04	0950	31180	SOIL	1	✓	✓					BLOW PIT	
① @ 12'	11/9/04	0935	31181	SOIL	1	✓	✓					SEPARATOR PIT	
Relinquished by: (Signature) <i>[Signature]</i>			Date 11/9/04	Time 1112	Received by: (Signature) <i>[Signature]</i>			Date 11-9-04	Time 1112				
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:	11-11-TPH QA/QC	Date Reported:	11-11-04
Laboratory Number	31170	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	11-11-04
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	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

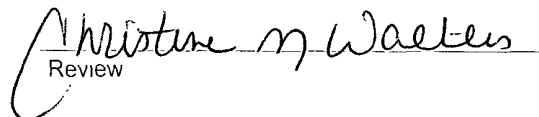
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	ND	250	250	100.0%	75 - 125%

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 31170 - 31176, 31179 - 31181.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	N/A	Project #	N/A
Sample ID:	11-11-BTEX QA/QC	Date Reported:	11-11-04
Laboratory Number:	31173	Date Sampled:	N/A
Sample Matrix	Soil	Date Received:	N/A
Preservative	N/A	Date Analyzed:	11-11-04
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

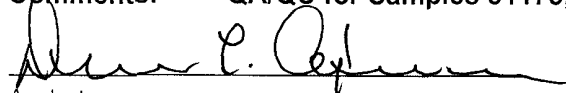
Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	ND	ND	0.0%	0 - 30%	1.7
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.5
p,m-Xylene	ND	ND	0.0%	0 - 30%	2.2
o-Xylene	ND	ND	0.0%	0 - 30%	1.0

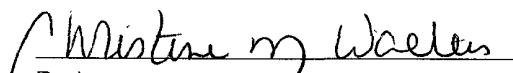
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	ND	50.0	49.9	99.8%	46 - 148
Ethylbenzene	ND	50.0	49.9	99.8%	32 - 160
p,m-Xylene	ND	100	99.8	99.8%	46 - 148
o-Xylene	ND	50.0	49.9	99.8%	46 - 148

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 31173, 31179 - 31181.


Analyst


Review

CLIENT: XTOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 632-1199LOCATION NO: CT115C.O.C. NO 14518

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: HUBBELL GC C WELL#: 1E PITS: SEP.
QUAD/UNIT: I SEC: 29 TWP: 28N RNG: 10W PM: NM CNTY: ST ST: NM
QTR/FOOTAGE: NE/SE CONTRACTOR: KELCODATE STARTED 12/28/05
DATE FINISHED: _____ENVIRONMENTAL
SPECIALIST: NV

SOIL REMEDIATION:

REMEDATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 100LAND USE: RANGE - BLMLIFT DEPTH (ft): 0.5 - 1

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 _____SOIL COLOR: DK. YELL. ORANGE TO MOD. BROWNCOHESION (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

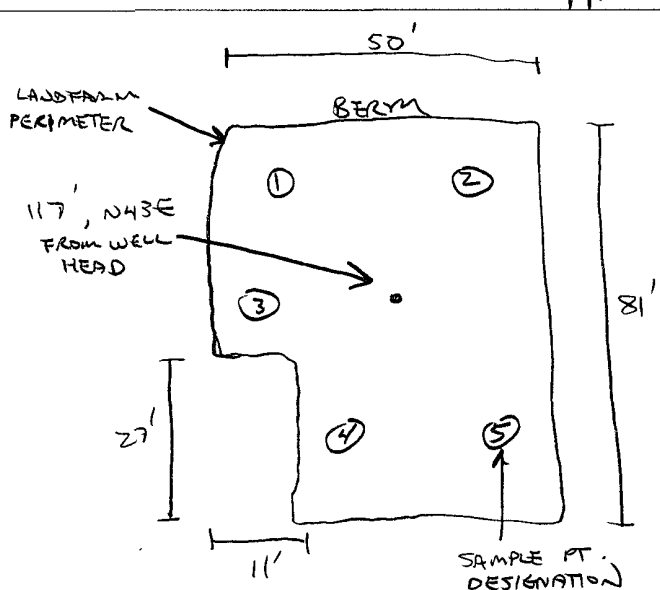
DENSITY (COHESIVE CLAYS & SILTS): SOFT / FIRM / STIFF / VERY STIFF / HARD

MOISTURE: DRY / SLIGHTLY MOIST / MOIST / WET / SATURATED / SUPER SATURATEDDISCOLORATION/STAINING OBSERVED: YES / NO EXPLANATION - VERY MINOR AMT. (LT. MED. GRAY) IN SAMPLE PT. (4)HC ODOR DETECTED: YES / NO EXPLANATION - N DISCLOSED PORTION OF SAMPLE PT. (4)SAMPLING DEPTHS (LANDFARMS): 6 - 12 (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/pm DATE: 12/28/05

OVM RESULTS

LAB SAMPLES

SAMPLE ID	FIELD HEADSPACE (ppm)	SAMPLE ID	ANALYSIS	TIME	RESULTS
LF-1	0.0	LF-1	TPH (80158)	1305	747

P.C. - 11/9/04

SCALE

TRAVEL NOTES: CALLOUT: N/AONSITE: 12/28/05

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

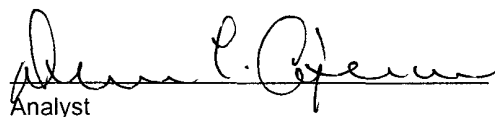
Client:	Blagg Engr. / XTO Energy	Project #:	94034-010
Sample ID:	LF - 1	Date Reported:	01-02-06
Laboratory Number:	35584	Date Sampled:	12-28-05
Chain of Custody No:	14518	Date Received:	12-29-05
Sample Matrix:	Soil	Date Extracted:	12-30-05
Preservative:	Cool	Date Analyzed:	01-02-06
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

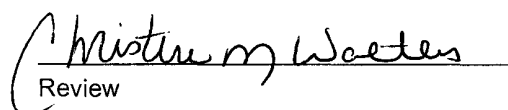
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	747	0.1
Total Petroleum Hydrocarbons	747	0.2

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: **Hubbell GC C #1E - Landfarm 5 Pt. Composite Sample.**


Analyst


Review

CHAIN OF CUSTODY RECORD

14518

Client / Project Name BLAGG GR. / XTO ENERGY			Project Location HUBBELL LEASE		ANALYSIS / PARAMETERS									
Sampler: NV			Client No. 94034-010		No. of Containers TPH (80158)								Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix									PRESERVED COOL 5 PT. COMPOSITE NO GRAB SAMPLES	
LF-1	12/28/05	1140	35583	SOIL	1	✓							HUBBELL GC C#1 - LANDFARM	
LF-1	12/28/05	1305	35584	SOIL	1	✓							HUBBELL GC C#1E - LANDFARM	
Relinquished by: (Signature) <i>[Signature]</i>			Date 12/29/05	Time 0920	Received by: (Signature) <i>[Signature]</i>			Date 12/29/05	Time 0920					
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:	01-02-06 QA/QC	Date Reported:	01-02-06
Laboratory Number:	35583	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-02-06
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	1.0013E+003	1.0023E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	9.9803E+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

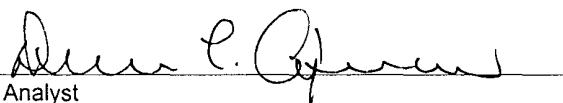
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	1,410	1,420	0.7%	0 - 30%

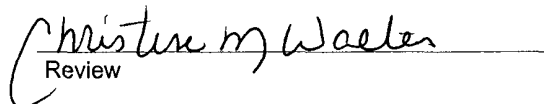
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	250	100.0%	75 - 125%
Diesel Range C10 - C28	1,410.0	250	1,650	99.4%	75 - 125%

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 35583 - 35590.


Analyst


Review