NM1 - 11

PART 1 of 4

MONITORING REPORTS

YEAR(S):

2006-1993



2006 DEC 20 AM 11 44

December 12, 2006

Mr. Brad Jones Environmental Engineer New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

RE: Financial Assurance

Dear Mr. Jones:

I am enclosing the revised financial assurance estimate with supporting documents. We have tried to address all of your concerns with our original estimate of closure costs. An additional 20 cells numbered one through twenty are being transferred to active status from discontinued maintenance(see Land Farm map). A total of 65 cells will be active. We have also addressed a number of concerns that you expressed about costs for mobilization and demobilization, plugging auger holes et al. With the additional costs resulting from your concerns and the additional twenty cells the Total Closure Costs is \$237,461.

As requested by NMOCD I am enclosing the letters placing what now are referred to as remediation units into discontinued status as analysis reached permitted remediation levels. Cells will now refer to unit areas encompassing approximately five acres each. The appropriate sections have been highlighted. I am enclosing a current status map and an older landfarm unit map. Cost estimates from Pohl Industries, Blagg Engineering, and the Envirotech laboratory are also attached.

If you have need of any additional information please feel free to call me at 505-632-0615.

Denny Fourt Denny Fourt

Environmental Geologist

Enclosure

XC: dgf file

Morris Young

DF/Enviro/Landfarm/DGF Notes.doc

ENVIROTECH INC

Land Farm Financial Assurance

This analysis is based on all 65 cells open for remediation and /or 300 acres included in the active landfarm operation. An additional eight to ten acres within the permit are involved in road and pipeline rights-of-way.

CLOSURE COSTS CALCULATED FOR AN EIGHTEEN MONTH CLOSURE PERIOD

An average figure of one-half the 65 open cells or 33 cells will be used for the following calculations.

- 1. Based on a Pohl Industries submittal:
 - A. Tilling costs of \$8.50 per acre on an average of 150 acres open 39 times for the 18 month closure period is \$49,725.
 - B. One hour for mobilization and one hour for demobilization will be needed for each of the 39 tilling events (78 hours X \$85/hr) for a cost of **\$6,600**.
 - C. Reseeding costs for grass seed applied with a grain drill is \$8.50 per acre for 300 acres, plus grass seed and amendments of \$81 per acre for 300 acres is a total of \$26,850.
 - D. Berm and fence removal is estimated to be \$4,280
 - E. There are no permanent tanks at the land farm. Removal of the stabilization pad for demolition, trucking, and disposal will be \$14,546

Sub-total \$102,000

- 2. Based on Envirotech's known laboratory costs:
 - A. Quarterly background BTEX analysis and an 8015 procedure are \$139; an average of 33 cells will be open for the closure period of 18 months (6 quarters X 33 cells) is \$27,522
 - B. Annual and closure vadose zone sampling will be an additional \$184 per sample for Metals and Cation/Anion analysis. A total of 130 samples will be needed for 65 cells with annual sampling and vadose zone closure sampling for a total laboratory cost of \$23,920.
 - C. Closure sampling figured on two BTEX analysis and two 8015 analysis per 5 acre cell will be (130 X \$139) per sample for a total of \$ 18,070.

Sub-total \$69,512

3. Blagg Engineering sampling estimates:

- A. Quarterly vadose zone sampling will cost \$150.34 per sample. Calculated on an average of 33 cells open over the 4 quarters in addition to annual and closure sampling is a total cost of (132 x \$150.34) \$19,845
- B. The remaining two quarters of vadose zone sampling are included in the costs shown in "B" as follows. The cost per five point vadose zone background sample remains \$150.34. Based on 65 cells requiring annual and closure sampling this is a cost of (130 x \$150.34) \$19,544
- C. Backfilling material for 1310 auger holes approximately three feet deep will take 437 sacks of bentonite at \$10.05 per sack \$4,392. Time and equipment costs are \$55 per sample for 306 samples \$16,830.
- D. Closure Sampling for remediation is \$35.41 per sample, utilizing an average of 2 samples per cell for 65 cells is (130x \$35.41) giving a cost of \$4,603
- E. Mobilization and demobilization for six sample events is 10.5 hours at 70.00 per hour (equipment and labor) is \$735.00.

Sub-total \$65,949

Total Closure Cost: \$237,461

DF/Enviro/Landfarm/DGF Notes.doc



Landfarm Lab Charges

Background: One sample taken for 5 acre cells four times a year.

First, Second & Third Quarter

8015	\$69.50
BTEX	\$69.50
	\$139.00

Forth Quarter

8015	\$69.50
BTEX	\$69.50
Metals	\$115.00
Cation/Anion	\$69.00
•	\$323.00

Closure: One sample taken per 5 acre cell (TPH must be below 100ppm, BTEX less then 50ppm and Benzene 10ppm to close cell)

8015 \$69.50 BTEX \$69.50 \$139.00

BLAGG ENGINEERING, INC. COST ESTIMATOR SHEET

PROJECT LOCATION:

Envirotech Landfarm

PROJECT SCOPE:

Quarterly Cell Monitoring

Estimated Per Cell Per Quarter Sampling Cost

Surface Cell Testing

DATE:

September 19, 2006

COST DETAIL:

COST DETAIL:				
Personnel	No. Hours	Cost /h	<u>ir</u>	Total Cost
1 ea 5-pt composite	1.25	\$70.00 /h	Γ	\$87.50
Backfilling	0.63	\$70.00 /h	٢	\$43.75
Quarterly Report	0.33	\$70.00 /h	r	\$23.10
Mob/Demob	0.05	\$70.00 /h	Г	\$3.50
		Pers	onnel Total:	\$157.85
<u>Equipment</u>	<u>No. Units</u>	Cost /u	<u>nit</u>	Total Cost
Support Vehicle	1.50	\$18.00 /h	r	\$27.00
GPS Unit	1.25	\$2.00 /h	Γ	\$2.50
Trailer	1.50	\$7.50 /h	r	\$11.25
Bentonite Mix	1.66	\$10.05 /sa	ack	\$16.68
		Equip	ment Total:	\$57.43
Outside Services	No. Units	Cost /u	<u>nit</u>	Total Cost
Assumptions: .(1) Env				
	irotech will provide in			
	s is a cost estimate o			served by
con	ducting work on a tin	ne and materia	als basis.	
~			·	
		- 	·	
				
				
			Outside:	\$0.00
		•	t Sub-Total:	\$215.28
		NMGRT	0.0731	\$15.74
			Total:	\$231.02

POHL INDUSTRIES 5 CR 5255 BLOOMFIELD NM 87413 505-632-0647

We are pleased to provide the following estimate for remediation of Landfarm #2 owned and operated by Young Environmental Services Inc DBA Envirotech Inc.

The area is comprised of a total of 308 acres requiring disking every two (2) weeks for a period of eighteen (18) months.

Using that base information we are prepared to submit the following bid:

Machinery	\$60.00
Mobilization	\$85.00
Labor	\$10.00
Fuel	\$15.00
	\$170.00

We are able to disk approximately ten (10) acres per hour for a ten (10) hour day which averages 100 acres a day (+ or -). So we will be able to cover the entire 308 acres in three (3) days at a cost of \$2550.00. Over a period of eighteen months the total cost would be \$91,800.00. In addition we would charge an additional \$89.50 per acre to reseed the designated area, which includes the cost of seed and labor. That additional cost would be \$27,566.00.

In the event you require the fences to be removed and the berms leveled, the additional cost would be \$4,280.00.

In the event you require the blending facility area to be removed the additional cost breaks down as follows:

Excavator	27 hrs @ \$95.00 an hour	\$2565.00
Excavator with hammer	27 hrs @ \$95.00 an hour	\$2565.00
Equipment mobilization		\$893.00
Operators (2)	30 hrs @ \$74.00 an hour	\$2220.00
Trucking	46 hrs @ \$81.20 an hour	\$3735.00
Landfill Disposal		\$2340.00
Support vehicle with driver		<u>\$228.00</u>
Total		\$14546.00

Thanks you for the opportunity to provide this quote to you.

David L Pohl

avid I Pohl

BLAGG ENGINEERING, INC. COST ESTIMATOR SHEET

PROJECT LOCATION:

Envirotech Landfarm

PROJECT SCOPE:

Quarterly Cell Monitoring Estimated Per Cell Per Quarter Sampling Cost

Surface Cell Testing

September 28, 2006

COST DETAIL:

DATE:

Personnel	No. Hours	Cost /hr	Total Cost
1 ea 5-pt composite	0.25	\$70.00 /hr	\$17.50
	, 045	A70 00 4	
Quarterly Report	¹ 0.15	\$70.00 /hr	\$10.50
		Personnel Total:	\$28.00
<u>Equipm</u> ent	No. Units	Cost /unit	Total Cost
Support Vehicle	0.25	\$18.00 /hr	\$4,50
GPS Unit	0.25	\$2.00 /hr	\$0.50
		Equipment Total:	\$5.00
Outside Services	No. Units	Cost /unit	Total Cost
Assumptions:			
		-house laboratory services	
		nly. All parties will be best ne and materials basis.	served by
COIN	dealig work on a mi	Te and materials basis.	
	- 17,		
		Outside:	\$0.00
		Project Sub-Total:	\$33.00
		NMGRT 0.0731	\$2.41
		** A	
		Total:	\$35.41

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

November 18, 1999

CERTIFIED MAIL RETURN RECEIPT NO. P-326-936-666

DEC - 1 1999 U

Mr. Morris Young Envirotech Inc. 5796 U. S. Highway 64-3014 Farmington, New Mexico 87401

RE: Review of Analytical Data for Discontinued Maintenance Status, Landfarm #2

NW 1/4, of Section 6, Twn. 26 North, Rng. 10 West, NMPM

San Juan County, New Mexico

Dear Mr. Young:

The New Mexico Oil Conservation Division (OCD) has received Envirotech Inc.'s (Envirotech) data packets submitted on November 16, 1999 concerning the request for discontinued maintenance status. Based on the information provided the following Main (NE), Unit 5 and Unit 4 cells of Landfarm # 2 are hereby approved for discontinued maintenance status:

Nw Landfarm #2 Main (NE) Cells

Cell H-18	Cell V-8	Cell W-6	Cell X-5
Cell T-9	Cell V-9	Cell W-7	Cell X-6
Cell T-10	Cell V-10	Cell W-8	Cell X-7
Cell V-6	Cell V-11	Cell W-9	Cell Y-5
Cell V-7			Cell Y-6

Landfarm # 2 Unit 5

Cell A-14	Cell B-17	Cell C-20	Cell E-13
Cell A-15	Cell B-18	Cell D-12	Cell E-14
Cell A-16	Cell B-19	Cell D-13	Cell E-15
Cell A-17	Cell B-20	Cell D-14	Cell E-16
Cell A-18	Cell C-13	Cell D-15	Cell E -17
Cell A-19	Cell C-14	Cell D-16	Cell E-18
Cell A-20	Cell C-15	Cell D-18	Cell E-20
Cell B-14	Cell C-16	Cell D-19	Cell F-11
Cell B-15	Cell C-18	Cell D-20	Cell F-12
Cell B-16	Cell C-19	Cell E-12	Cell F-13

Mr. Young November 18, 1999 Page 2

Cell F-14	Cell H-15	Cell J-15	Cell L-14
Cell F-15	Cell H-16	Cell J-16	Cell L-15
Cell F-16	Cell H-17~	Cell J-17	Cell L-16
Cell F-17	Cell H-18	Cell J-18	Cell L-17
Cell F-18	Cell H-19	Cell J-19	Cell L-18
Cell F-19	Cell H-20	Cell J-20	Cell L-19
Cell F-20	Cell I-7	Cell K-7	Cell L-20
Cell G-9 [*]	Cell I-8	Cell K-8	Cell M-10
Cell G-12	Cell I-12	Cell K-10	Cell M-11
Cell G-13	Cell I-13	Cell K-11	Cell M-12
Cell G-14	Cell I-14	Cell K-14	Cell M-13
Cell G-15	Cell I-15	Cell K-15	Cell M-14
Cell G-16	Cell I-16	Cell K-16	Cell M-15
Cell G-17	Cell I-17	Cell K-17	Cell M-16
Cell G-18	Cell I-18	Cell K-18	Cell M-17
Cell G-19	Cell I-19	Cell K-19	Cell M-18
Cell G-20	Cell I-20	Cell K-20	Cell M-19
Cell H-8	Cell J-7	Cell L-8	Cell M-20
Cell H-9	Cell J-8	Cell L-10	
Cell H-11	Cell J-11	Cell L-11	
Cell H-13	Cell J-13	Cell L-12	
Cell H-14	Cell J-14	Cell L-13	

Landfarm #2 Unit 4

Cell E-8	Cell-J	Cell K-1	Cell K-2
Cell F-3			

Note that authorization is being granted to discontinue maintenance. If Envirotech wants to add successive lifts, maintenance and treatment zone monitoring will resume. If Envirotech wants to move the soils from the facility separate OCD authorization must be granted.

The following cell data packets for Landfarm #2 were incomplete and could not be evaluated. The OCD is returning the incomplete data packets. Please review the enclosed data packets and resubmit when completed. Discontinued maintenance status is hereby denied for the following cells:

Landfarm #2 Unit 5

Cell F-10	Cell I-9	Cell J-10	Cell M-9
Cell G-10	Cell I-10	Cell K-9	
Cell H-10	Cell J-9	Cell L-9	

Mr. Young November 18, 1999 Page 3

Please be advised that OCD approval does not relieve Envirotech of liability should their operation result in pollution of the ground water, surface water or the environment. In addition, OCD approval does not relieve Envirotech of the responsibility for compliance with other federal, state and/or local regulations.

If you have any questions please do not hesitate to contact me at (505) 827-7153.

Sincerely,

Martyne J. Kieling

Environmental Geologist

xc:

OCD Aztec Office

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe, New Mexico 87505 (505) 827-7131

January 13, 1998

CERTIFIED MAIL RETURN RECEIPT NO. P-326-936-379

RE: Review of Analytical Data for Discontinued Maintenance Status, Land Farm #2 and Certified Mail Letters Z-765-962-614(February 7, 1996) and P-269-269-395 (June 3, 1996) from the OCD to Envirotech Inc.

NW 1/4, of Section 6, Twn. 26 North, Rng. 10 West, NMPM San Juan County, New Mexico

Mr. Morris Young Envirotech Inc. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401 REGEIVED JAN 1 5 1998

OIL CON. DIV.

Dear Mr. Young:

The New Mexico Oil Conservation Division (OCD) received a telephone call from Ms. Christine Walters of Envirotech Inc. (Envirotech) on January 5, 1997concerning two certified mail letters Z-765-962-614 (February 7, 1996) and P-269-269-395 (June 3, 1996) from the OCD to Envirotech Inc. This letter will clarify what was discussed during that phone conversation.

According to OCD files recently reviewed, Envirotech submitted analytical results for authorization to deem specific landfarm cells remediated. Envirotech specifically requested discontinued maintenance status (DMS) on each form submitted. The approval letter from the OCD on February 7, 1996 and June 3, 1996 was for the addition of successive lifts. It is the purpose of this letter to clarify the status of these cell. According to the original requests for DMS and the subsequent conversation with Ms. Christine Walters concerning the cells referenced in the two letters the OCD shall clarify the original approval to include DMS.

Thus the cells listed below are hearby approved for discontinued maintenance status:

Cell K-1	Cell H-4	Cell J-9
Cell K-2	Cell H-5	Cell I-10
Cell K-3	Cell H-6	Cell F-10
Cell H-2	Cell H-7	Cell G-10
Cell L-1	Cell H-8	Cell H-10
Cell L-2	Cell I-8	Cell G-11
Cell L-3	Cell J-8	Cell H-11
Cell H-12	Cell K-8	Cell I-11
Cell I-12	Cell E-1	Cell F-1
Cell I-13	Cell E-2	Cell F-2
Cell J-12	Cell E-3	Cell F-3
Cell J-13	Cell M-4	Cell A-9
Cell K-13	Cell M-3	Cell A-13

Mr. Young January 13, 1998 Page 2

Cell L-13	Cell M-2	Cell A-14
Cell H-1	Cell L-4	Cell G-21
Cell I-1	Cell G-9	Cell G-22
Cell I-2	Cell H-9	Cell G-23
Cell I-3	Cell I-9	Cell H-21

AND:

Cell A-1	Cell C-6	Cell E-7	Cell G-8	Cell K-11
Cell A-2	Cell C-9	Cell E-8	Cell H-3	Cell K-12
Cell A-3	Cell C-10	Cell E-10	Cell H-13	Cell L-5
Cell A-4	Cell D-1	Cell E-13	Cell H-14	Cell L-6
Cell B-1	Cell D-2	Cell F-4	Cell H-15	Cell L-7
Cell B-2	Cell D-3	Cell F-5	Cell H-16	Cell L-10
Cell B-3	Cell D-4	Cell F-6	Cell I-4	Cell L-11
Cell B-4	Cell D-5	Cell F-7	Cell I-5	Cell L-12
Cell B-5	Cell D-6	Cell F-8	Cell I-6	Cell M-1
Cell B-19	Cell D-7	Cell F-9	Cell I-7	Cell M-7
Cell B-20	Cell D-8	Cell G-1	Cell I-14	Cell M-8
Cell C-1	Cell D-9	Cell G-2	Cell I-16	Cell M-10
Cell C-2	Cell D-10	Cell G-3	Cell J-10	Cell M-11
Cell C-3	Cell E-4	Cell G-4	Cell J-11	Cell M-12
Cell C-4	Cell E-5	Cell G-5	Cell K-9	
Cell C-5	Cell E-6	Cell G-6	Cell K-10	
		Cell G-7		

Note that authorization is being granted to discontinue maintenance. If Envirotech wants to add successive lifts, maintenance and treatment zone monitoring will resume. If Envirotech wants to move the soils from the facility separate OCD authorization must be granted.

Please be advised that the OCD approval does not relieve Envirotech of liability should their operation result to pollution of the ground water, surface water or the environment. In addition, OCD approval does not relieve Envirotech of the responsibility for compliance with other federal, state and/or local regulations.

If you have any questions please do not hesitate to contact me at (505) 827-7153.

Sincerely,

Martyne J. Kieling

Environmental Geologist

Martyn & Thuly

xc: OCD Aztec Office

OIL CONSERVATION DIVISION 2040 South Pacheco Street Santa Fe. New Mexico 87505 (505) 827-7131

December 18, 1997

CERTIFIED MAIL Dennis' Lab Assistant RETURN RECEIPT NO. P-326-936-377

Ms. Christine Walters Envirotech Inc.

5796 U.S. Highway 64-3014 Farmington, New Mexico 87401

RE: Cells Approved For Discontinued Maintenance or Additional Lifts Status

Envirotech LandFarm #1 and #2 San Juan County, New Mexico

Dear Ms. Walters:

Enclosed are the lists that you requested. Some cells have been approved for discontinued maintenance status others were approved for additional lifts. I hope this helps.

If you have any questions please do not hesitate to contact me at (505) 827-7153.

Sincerely,

Martyne J. Kieling

Environmental Geologist

xc with enclosure:

OCD Aztec Office

OIL CON. DIV. DIGIT, 3

STATE OF NEW MEXICO

ENERG., MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

February 7, 1996

CERTIFIED MAIL
RETURN RECEIPT NO. Z-765-962-614

Mr. Rob Young Envirotech Inc. 5796 U.S. Highway 64-3014 Farmington, New Mexico 87401

Dear Mr. Young:

The New Mexico Oil Conservation Division (OCD) has received Envirotech Inc.'s (Envirotech) request and analytical results dated October 27, 1995 (received December 22, 1995) for authorization to deem specific landfarm cells remediated. Based upon the information provided the following cells are hereby approved for the addition of successive lifts:

Cell K-1	Cell H-4	Cell J-9	
Cell K-2	Cell H-5	Cell I-10	
Cell K-3	Cell H-6	Cell F-10	
Ceil H-2	Cell H-7	Cell G-10	
Cell L-1	Cell H-8	Cell H-10	
Cell L-2	Cell I-8	Cell G-11	
Cell L-3	Cell J-8	Cell H-11	
Cell H-12	Cell K-8	Cell I-11	The state of the s
Cell I-12	Cell E-1.	Cell F-1	
Cell I-13	Cell E-2	Cell F-2	WA FIRE TO
Cell J-12	Cell E-3	Cell F-3	EGEIVEN
Cell J-13	Cell M-4	Cell A-9	480 1111
Cell K-13	Cell M-3	Cell A-13	DEC 2 2 1997
Cell L-13	Cell M-2	Cell A-14	6 SA GODE DE
Cell H-1	Cell L-4	Cell G-21	OIL CON. DIV.
Cell I-1	Cell G-9	Cell G-22	DUST. 3
Cell I-2	Cell H-9	Cell G-23	
Cell I-3	Cell I-9	Cell H-21	

Note that authorization is being granted to add successive lifts. If Envirotech wants to move the soils from the facility separate OCD authorization must be granted.

Mr. Young February 7, 1996 Page 2

Please be advised that OCD approval does not relieve Envirotech of liability should their operation result in pollution of the ground water, surface water or the environment. In addition, OCD approval does not relieve Envirotech of responsibility for compliance with other federal, state and/or local regulations.

If there are any questions on this matter, please contact me at (505) 827-7153.

Sincerely,

Chris Eustice Geologist

cc: OCD Aztec Office

OIL CONSERVATION DIVISION 2040 South Pachaco Street Santa Fe, New Mexico 87505 (505) 827-7131

June 3, 1996

CERTIFIED MAIL RETURN RECEIPT NO. P-269-269-395

Mr. Rob Young
Envirotech Inc.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401

Dear Mr. Young:

The New Mexico Oil Conservation Division (OCD) has received Envirotech Inc.'s (Envirotech) request and analytical results dated October 27, 1995 (received December 22, 1995) for authorization to deem specific landfarm cells remediated. Based upon the information provided the following cells are hereby approved for the addition of successive lifts:

Cell A-1	Cell C-6	Cell E-10	Cell H-14	Cell L-10	
Cell A-2	Cell C-9	Cell E-13	Cell H-15	Cell L-11	
Cell A-3	Cell C-10	Cell F-4	Cell H-16	Cell L-12	
Cell A-4	Cell D-1	Cell F-5	Cell I-4	Cell M-1	
Cell B-1	Cell D-2	Cell F-6	Cell I-5	Cell M-7	
Cell B-2	Cell D-3	Cell F-7	Cell I-6	Cell M-8	
Cell B-3	Cell D-4	Cell F-8	Cell I-7	Cell M-10	and the second second production of the second section and second
Cell B-4	Cell D-5	Cell F-9	Cell I-14	Cell M-11	
Cell B-5	Cell D-6	Cell G-1	Cell I-16	Cell M-12	
Cell B-19	Cell D-7	Cell G-2	Cell J-10		DECEIVED
Cell B-20	Cell D-8	Cell G-3	Cell J-11		NEC 2 2 4002
Cell C-1	Cell D-9	Cell G-4	Cell K-9		DEC 2 2 1997 19
Cell C-2	Cell D-10	Cell G-5	Cell K-10		000
Cell C-3	Cell E-4	Cell G-6	Cell K-11		OIL CON. DIV.
Cell C-4	Cell E-5	Cell G-7	Cell K-12		DIFL 3
Cell C-5	Cell E-6	Cell G-8	Cell L-5		
	Cell E-7	Cell H-3	Cell L-6		
	Cell E-8	Ceil H-13	Cell L-7		

Note that authorization is being granted to add successive lifts. If Envirotech wants to move the soils from the facility separate OCD authorization must be granted.

Mr. Young June 3, 1996 Page 2

Please be advised that OCD approval does not relieve Envirotech of liability should their operation result in pollution of the ground water, surface water or the environment. In addition, OCD approval does not relieve Envirotech of responsibility for compliance with other federal, state and/or local regulations.

If there are any questions on this matter, please contact me at (505) 827-7153.

Sincerely,

Chris Eustice

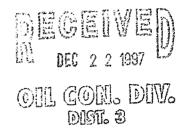
Geologist

cc: OCD Aztec Office

April 23, 1997

CERTIFIED MAIL RETURN RECEIPT NO. P-326-936-278

Mr. Morris Young Envirotech Inc. 5796 U. S. Highway 64-3014 Farmington, New Mexico 87401



RE: Review of Analytical Data for Discontinued Maintenance Status, Land Farm #2 NW 1/4, of Section 6, Twn. 26 North, Rng. 10 West, NMPM

San Juan County, New Mexico

Dear Mr Young:

The New Mexico Oil Conservation Division (OCD) has received Envirotech Inc.'s (Envirotech) letter, dated February 20, 1997 concerning the status of closure sampling data submitted to this office in late 1995 and early 1996. Based on the information provided the following cells of Land Farm # 2 are hereby approved for discontinued maintenance status or the addition of successive lifts:

Cell A-5	Cell B-6	Cell C-11	Cell D-15
Cell A-6	Cell B-7	Cell C-12	Cell D-16
Cell A-7	Cell B-8	Cell C-14	Cell D-17
Cell A-8	Cell B-9	Cell C-15	Cell D-18
Cell A-10	Cell B-10	Cell C-16	Cell E-11
Cell A-12	Cell B-11	Cell C-17	Cell E-12
Cell A-15	Cell B-16	Cell C-18	Cell E-14
Cell A-16	Cell B-17	Cell C-20	Cell E-15
Cell A-17	Cell B-18	Cell C-21	Cell E-16
Cell A-18	Cell B-21	Cell C-22	Cell E-17
Cell A-19	Cell B-22	Cell C-26	Cell F-11
Cell A-20	Cell B-23	Cell D-8	Cell F-13
Cell A-21	Cell B-24	Cell D-11	Cell F-17
Cell A-22	Cell B-25	Cell D-12	Cell G-24
Cell A-23	Cell B-26	Cell D-13	Cell G-25
Cell A-25	Cell C-7	Cell D-14	Cell H-24
Cell A-26	Cell C-8	Cell D-15	Cell H-25
AATT 12-90			

Mr. Young April 23, 1997 Page 2 of 2

Cell I-15	Cell J-1	Cell J-5	Cell J-26
Cell I-24	Cell J-2	Cell J-6	Cell K-5
Cell I-25	Cell J-3	Cell J-7	Cell K-6
Cell I-26	Cell J-4	Cell J-25	Cell K-7
			Cell M-13

Note that authorization is being granted to discontinue maintenance. If Envirotech wants to add successive lifts, maintenance and treatment zone monitoring will resume. If Envirotech wants to move the soils from the facility separate OCD authorization must be granted.

The following 4 cells of Land Farm # 2 were not approved due to excessive holding time prior to analysis:

Cell H-23

Cell I-22

Cell I-23

Cell J-23

Please be advised that the OCD approval does not relieve Envirotech of liability should their operation result to pollution of the ground water, surface water or the environment. In addition, OCD approval does not relieve Envirotech of the responsibility for compliance with other federal, state and/or local regulations.

If you have any questions please do not hesitate to contact me at (505) 827-7153.

Sincerely,

Matigne of Kiling Martyne J. Kieling

Environmental Geologist

xc: OCD Aztec Office

Oil CONSERVATION DIVISION 2040 South Pachaco Street Santa Fe, New Mexico 87505 (505) 827-7131

April 4, 2000

<u>CERTIFIED MAIL</u> <u>RETURN RECEIPT NO. Z-559-573-290</u>

Mr. Morris Young Envirotech Inc. 5796 U. S. Highway 64-3014 Farmington, New Mexico 87401

RE: Review of Analytical Data for Discontinued Maintenance Status, Landfarm #2

NW 1/4, of Section 6, Twn. 26 North, Rng. 10 West, NMPM

San Juan County, New Mexico

Dear Mr. Young:

The New Mexico Oil Conservation Division (OCD) has received Envirotech Inc.'s (Envirotech) data packets dated March 3, 2000 and March 10, 2000 requesting discontinued maintenance status. Based on the information provided the following Main (NW) Cells of Landfarm # 2 are hereby approved for discontinued maintenance status:

Landfarm #2 Main (NW) Cells

Cell D-23	Cell F-18	Cell H-22	Cell J-18	Cell L-19
Cell D-25	Cell F-19	Cell H-23	Cell J-19	Cell L-20
Cell E-18	Cell G-14	Cell H-26	Cell J-20	Cell M-20
Cell E-19	Cell G-18	Cell I-19	Cell J-22	Cell N-19
Cell E-20	Cell G-26	Cell I-20	Cell K-18	
Cell E-21	Cell H-19	Cell I-22	Cell K-19	
Cell E-24	Cell H-20	Cell I-23	Cell K-20	
	Cell D-25 Cell E-18 Cell E-19 Cell E-20 Cell E-21	Cell D-25 Cell F-19 Cell E-18 Cell G-14 Cell E-19 Cell G-18 Cell E-20 Cell G-26 Cell E-21 Cell H-19	Cell D-25 Cell F-19 Cell H-23 Cell E-18 Cell G-14 Cell H-26 Cell E-19 Cell G-18 Cell I-19 Cell E-20 Cell G-26 Cell I-20 Cell E-21 Cell H-19 Cell I-22	Cell D-25 Cell F-19 Cell H-23 Cell J-19 Cell E-18 Cell G-14 Cell H-26 Cell J-20 Cell E-19 Cell G-18 Cell I-19 Cell J-22 Cell E-20 Cell G-26 Cell I-20 Cell K-18 Cell E-21 Cell H-19 Cell I-22 Cell K-19

Please be advised that OCD approval does not relieve Envirotech of liability should their operation result in pollution of the ground water, surface water or the environment. In addition, OCD approval does not relieve Envirotech of the responsibility for compliance with other federal, state, local laws and/or regulations.

If you have any questions please do not hesitate to contact me at (505) 827-7153.

Sincerely,

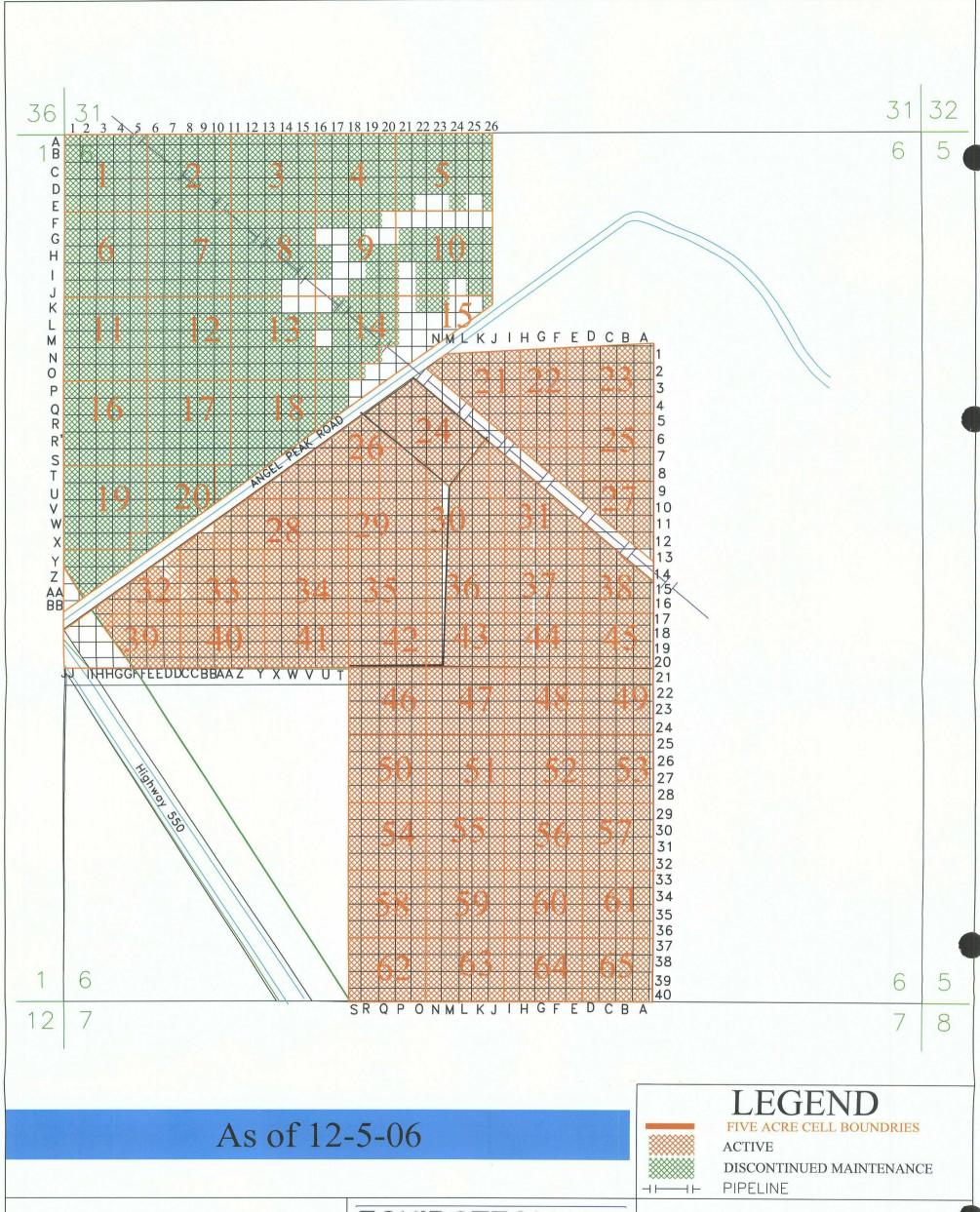
Martyne J. Kieling

Environmental Geologist

XC:

OCD Aztec Office

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OCD LANDFARM 2 CELL GRID LAYOUT

REVISIONS

BY CJC DATE 07/12/06

BY CJC DATE 08/25/06

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401 (505) 632-0615

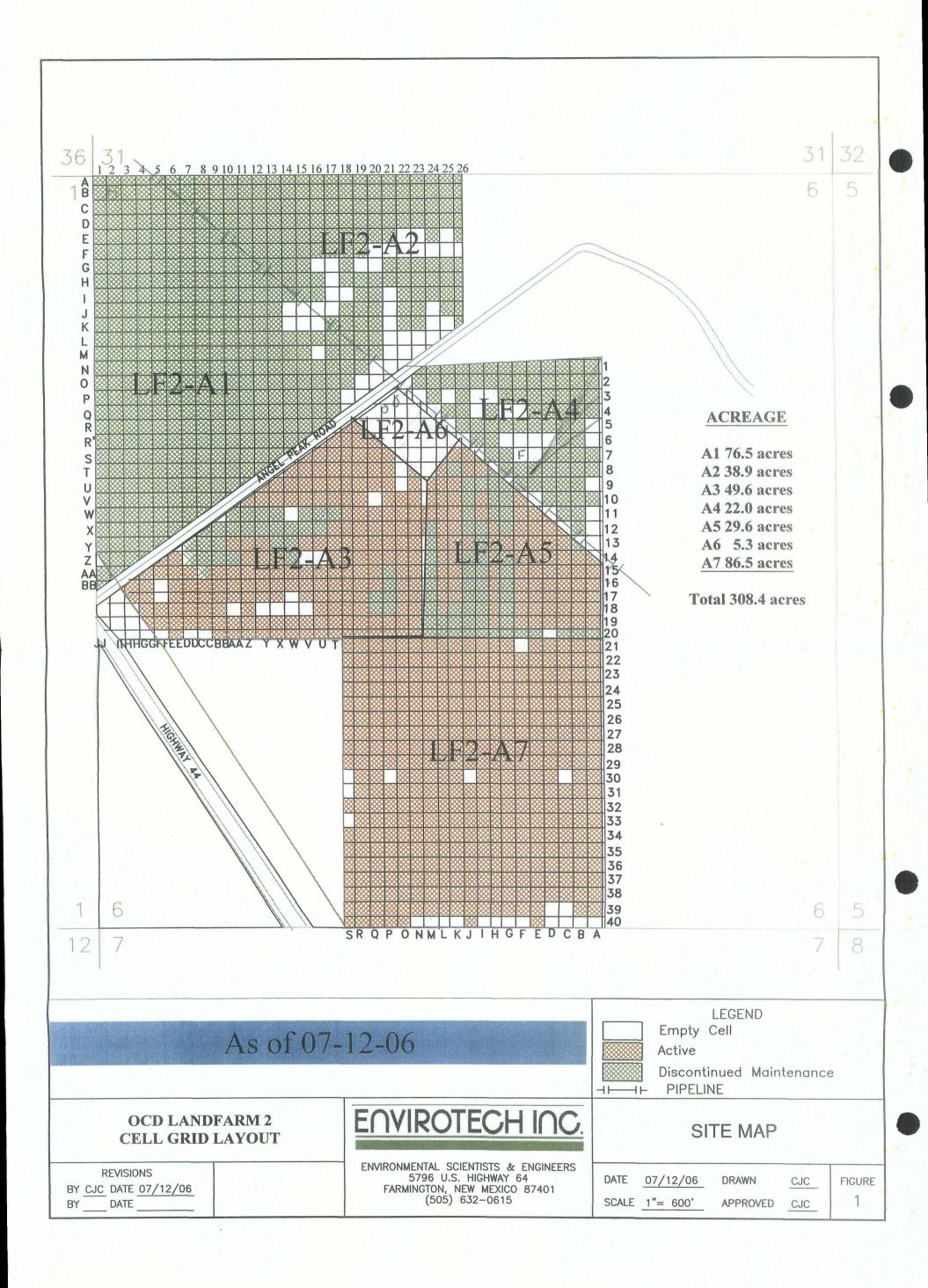
SITE MAP

FIGURE

1

 DATE
 07/12/06
 DRAWN
 CJC

 SCALE
 1"= 600'
 APPROVED
 CJC







December 11, 2006

Mr. Wayne Price Mr. Brad Jones New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

Phone (505) 476-3492 Fax (505) 476-3462

RE: PROPOSAL TO ALLOW ACCEPTANCE OF RICHARDSON MATERIAL

Dear Mr. Price and Mr. Jones:

Envirotech Inc. respectfully submits the following procedure to allow acceptance of Richardson Operating material that was denied November 30, 2006:

Sample soil in accordance with RCRA 8 metals testing.

Sample soil in accordance to any other testing if requested by the OCD.

Submit acceptance request to OCD.

Envirotech Inc. will follow NMOCD directions for disposal.

Respectfully Submitted, ENVIROTECH INC.

Denny G Foust Environmental Geologist dfoust@envirotech-inc.com Morris D Young President myoung@envirotech-inc.com

DGF/aep/Landfarm/12-11-06Richardson req.doc.





December 4, 2006

THE GO AMO

Mr. Wayne Price State of New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505 Oll Consumulan Division 1220 S. St. Francis Daice Sinter Fig. 1914 87505

Dear Mr. Price,

Envirotech, Inc. respectfully submits background sampling results for Envirotech Soil Remediation Facility (ESRF), Landfarm # 2 Unit 5, Hilltop, New Mexico (Permit #01-0011)

Enclosed are the third quarter background samples for 2006.

The following is a list of the twenty-seven cells sampled at a depth of 24"-36" below the treatment zone.

Cells: B-14, C-19, E-25, E-35, F-14, G-30, H-10, I-16, J-19, K-10, K-22, L-37, M-19, M-32, N-9, N-12, O-16, P-11, Q-23, Q-38, R-7, R-15, R-28, T-7, W-10, BB-17 and FF-18.

Should you have any questions or require additional information, please do not hesitate to contact me at (505) 632-0615.

Respectfully submitted,

Envirotech, Inc.

Christine M. Walters

Laboratory Coordinator / Environmental Scientist





Client:	Envirotech	Project #:	
Sample ID:	Cell B-14	Date Reported:	09-25-06
Laboratory Number:	38563	Date Sampled:	09-21-06
Chain of Custody No:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-22-06
Preservative:	Cool	Date Analyzed:	09-25-06
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)	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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

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Review





Client:	Envirotech	Project #:	
Sample ID:	Cell C-19	Date Reported:	09-25-06
Laboratory Number:	38564	Date Sampled:	09-21-06
Chain of Custody No:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-22-06
Preservative:	Cool	Date Analyzed:	09-25-06
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)	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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

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Client:	Envirotech	Project #:	
Sample ID:	Cell E-25	Date Reported:	09-25-06
Laboratory Number:	38565	Date Sampled:	09-21-06
Chain of Custody No:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-22-06
Preservative:	Cool	Date Analyzed:	09-25-06
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)	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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

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Client:	Envirotech	Project #:	
Sample ID:	Cell E-35	Date Reported:	09-25-06
Laboratory Number:	38566	Date Sampled:	09-21-06
Chain of Custody No:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-22-06
Preservative:	Cool	Date Analyzed:	09-25-06
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)	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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

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Review





Client:	Envirotech	Project #:	
Sample ID:	Cell F-14	Date Reported:	09-25-06
Laboratory Number:	38567	Date Sampled:	09-21-06
Chain of Custody No:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-22-06
Preservative:	Cool	Date Analyzed:	09-25-06
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)	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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

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Client:	Envirotech	Project #:	
Sample ID:	Cell G-30	Date Reported:	09-25-06
Laboratory Number:	38568	Date Sampled:	09-21-06
Chain of Custody No:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-22-06
Preservative:	Cool	Date Analyzed:	09-25-06
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)	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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

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Client:	Envirotech	Project #:	
Sample ID:	Cell H-10	Date Reported:	09-25-06
Laboratory Number:	38569	Date Sampled:	09-21-06
Chain of Custody No:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-22-06
Preservative:	Cool	Date Analyzed:	09-25-06
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)	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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst Copera

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Client:	Envirotech	Project #:	
Sample ID:	Cell I-16	Date Reported:	09-25-06
Laboratory Number:	38570	Date Sampled:	09-21-06
Chain of Custody No:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-22-06
Preservative:	Cool	Date Analyzed:	09-25-06
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)	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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst Cereum

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Review





Client:	Envirotech	Project #:	
Sample ID:	Cell J-19	Date Reported:	09-25-06
Laboratory Number:	38571	Date Sampled:	09-21-06
Chain of Custody No:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-22-06
Preservative:	Cool	Date Analyzed:	09-25-06
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)	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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst Comments

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Review





Client:	Envirotech	Project #:	
Sample ID:	Cell K-10	Date Reported:	09-25-06
Laboratory Number:	38572	Date Sampled:	09-21-06
Chain of Custody No:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-22-06
Preservative:	Cool	Date Analyzed:	09-25-06
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)	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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone





Quality Assurance Report

75 - 125%

100.0%

Client:	QA/QC		Project #:		N/A
Sample ID:	09-25-06 QA/	QC	Date Reported:		09-25-06
Laboratory Number:	38563		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		09-25-06
Condition:	N/A		Analysis Reques	ted:	TPH
	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept, Range
Gasoline Range C5 - C10	07-11-05	1.0030E+003	1.0040E+003	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	1.0001E+003	1.0021E+003	0.20%	0 - 15%
Blank Conc. (mg/L - mg/Kg)		Concentration		Detection Lim	ič
Gasoline Range C5 - C10		ND		0.2	. 748
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%	NP-4P
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%

ND - Parameter not detected at the stated detection limit.

References:

Diesel Range C10 - C28

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

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SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 38563 - 38572

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Client:	Envirotech	Project #:	
Sample ID:	Cell B-14	Date Reported:	09-25-06
Laboratory Number:	38563	Date Sampled:	09-21-06
Chain of Custody:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-25-06
Preservative:	Cool	Date Extracted:	09-22-06
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst





Client:	Envirotech	Project #:	
Sample ID:	Cell C-19	Date Reported:	09-25-06
Laboratory Number:	38564	Date Sampled:	09-21-06
Chain of Custody:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-25-06
Preservative:	Cool	Date Extracted:	09-22-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

Mister n Wasters





Client:	Envirotech	Project #:	
Sample ID:	Cell E-25	Date Reported:	09-25-06
Laboratory Number:	38565	Date Sampled:	09-21-06
Chain of Custody:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-25-06
Preservative:	Cool	Date Extracted:	09-22-06
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
Company of the Compan	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

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Client:	Envirotech	Project #:	
Sample ID:	Cell E-35	Date Reported:	09-25-06
Laboratory Number:	38566	Date Sampled:	09-21-06
Chain of Custody:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-25-06
Preservative:	Cool	Date Extracted:	09-22-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	ND	4.0	
Toluene	ND ND	1.8 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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst . C





Client:	Envirotech	Project #:	
Sample ID:	Cell F-14	Date Reported:	09-25-06
Laboratory Number:	38567	Date Sampled:	09-21-06
Chain of Custody:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-25-06
Preservative:	Cool	Date Extracted:	09-22-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst





Client:	Envirotech	Project #:	
Sample ID:	Cell G-30	Date Reported:	09-25-06
Laboratory Number:	38568	Date Sampled:	09-21-06
Chain of Custody:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-25-06
Preservative:	Cool	Date Extracted:	09-22-06
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst





Client: Envirotech Project #: Sample ID: Cell H-10 Date Reported: 09-25-06 Laboratory Number: 38569 Date Sampled: 09-21-06 Chain of Custody: 1499 Date Received: 09-21-06 Sample Matrix: Soil Date Analyzed: 09-25-06 09-22-06 Preservative: Cool Date Extracted: Condition: Cool & Intact Analysis Requested: **BTEX**

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
D	ND	4.0	
Benzene Talaana	ND NB	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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

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Beview





Client:	Envirotech	Project #:	
Sample ID:	Cell I-16	Date Reported:	09-25-06
Laboratory Number:	38570	Date Sampled:	09-21-06
Chain of Custody:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-25-06
Preservative:	Cool	Date Extracted:	09-22-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Panzana.	ND	1.8
Benzene Toluene	ND ND	1.6
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Alexa (· Chica · Analyst





Project #: Client: Envirotech Date Reported: 09-25-06 Sample ID: Cell J-19 38571 Date Sampled: 09-21-06 Laboratory Number: Chain of Custody: 1499 Date Received: 09-21-06 Date Analyzed: 09-25-06 Sample Matrix: Soil Date Extracted: 09-22-06 Preservative: Cool Condition: Cool & Intact Analysis Requested: **BTEX**

		Det.	
	Concentration	Limit	
Parameter	(ug/Kg)	(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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

Muster MWaltes Review





•			
Client:	Envirotech	Project #:	
Sample ID:	Cell K-10	Date Reported:	09-25-06
Laboratory Number:	38572	Date Sampled:	09-21-06
Chain of Custody:	1499	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-25-06
Preservative:	Cool	Date Extracted:	09-22-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm 2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

Mister m Waters
Review





Client:	N/A	Project #:	N/A
Sample ID:	09-25-BTEX QA/QC	Date Reported:	09-25-06
Laboratory Number:	38563	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-25-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept, Rang	%Diff. je 0 - 15%	Blank Conc	Detect. Limit
Benzene	5.6140E+007	5.6252E+007	0.2%	ND	0.2
Toluene	6.8397E+007	6.8534E+007	0.2%	ND	0.2
Ethylbenzene	2.9226E+007	2.9284E+007	0.2%	ND	0.2
p,m-Xylene	1.2332E+008	1.2356E+008	0.2%	ND	0.2
o-Xylene	5.9896E+007	6.0016E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	₅Sample Duμ	olicate	%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 Amo	ount Spiked Spik	ed Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	39 - 150
Toluene	ND	50.0	50.0	100.0%	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	50.0	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 38563 - 38572

Analyst

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

CHAIN OF CUSTODY RECORD

Enviro technomines Sampler: Bue Carter Sample No./ Sample Sample Identification Date Time Cult C-19 Cult C-19 Cult E-25 Cult E-25 Cult E-25 Cult E-25 Cult E-14 Cult E-14	<u></u>	1	ANALYSIS / PARAMETERS	
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2 Cartumample No./ Sample entification Date 8-14 92104 C-19 E-25 F-14 G-30 H-10 T-16	Client No.	<u> </u>	SI	Remarks
######################################	_	<u>*</u> 2	-	
B-14 C-19 E-25 E-25 F-35 F-14 G-30 H-10	Lab Number	Sample Matrix	No Sols Sols Sols Sols Sols Sols Sols Sol	Packarand Some
C-19 E-25 E-35 F-14 G-30 H-10 H-10	38563	عثوك	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	24"-36" below
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<u>-</u> .		5796 U.S. Highway 64 Farmington, New Mexico 87401	jhway 64 Mexico 87401 0615	Received Intact Cool - Ice/Rine Ice
		-260 (COC)	6100	ania ania/ani - iooo





Client:	Envirotech	Project #:	
Sample ID:	Cell K-22	Date Reported:	09-30-06
Laboratory Number:	38573	Date Sampled:	09-21-06
Chain of Custody No:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-25-06
Preservative:	Cool	Date Analyzed:	09-30-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst





Client:	Envirotech	Project #:	
Sample ID:	Cell L-37	Date Reported:	09-30-06
Laboratory Number:	38574	Date Sampled:	09-21-06
Chain of Custody No:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-25-06
Preservative:	Cool	Date Analyzed:	09-30-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst C. Openin

(houstine of Wasters
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell M-19	Date Reported:	09-30-06
Laboratory Number:	38575	Date Sampled:	09-21-06
Chain of Custody No:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-25-06
Preservative:	Cool	Date Analyzed:	09-30-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Allen C. (Efferen

Minter my Wasters Review





Client:	Envirotech	Project #:	
Sample ID:	Cell M-32	Date Reported:	09-30-06
Laboratory Number:	38576	Date Sampled:	09-21-06
Chain of Custody No:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-25-06
Preservative:	Cool	Date Analyzed:	09-30-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst P. Opler

hristnem Wasters Review





Client:	Envirotech	Project #:	
Sample ID:	Cell N-9	Date Reported:	09-30-06
Laboratory Number:	38577	Date Sampled:	09-21-06
Chain of Custody No:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-25-06
Preservative:	Cool	Date Analyzed:	09-30-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst C. Que

Misture m Waeters
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell N-12	Date Reported:	09-30-06
Laboratory Number:	38578	Date Sampled:	09-21-06
Chain of Custody No:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-25-06
Preservative:	Cool	Date Analyzed:	09-30-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst C. Ciperun

Review Water





Client:	Envirotech	Project #:	
Sample ID:	Cell O-16	Date Reported:	09-30-06
Laboratory Number:	38579	Date Sampled:	09-21-06
Chain of Custody No:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-25-06
Preservative:	Cool	Date Analyzed:	09-30-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst C. Column

Mustine of Warden





Client:	Envirotech	Project #:	
Sample ID:	Cell P-11	Date Reported:	09-30-06
Laboratory Number:	38580	Date Sampled:	09-21-06
Chain of Custody No:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-25-06
Preservative:	Cool	Date Analyzed:	09-30-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst C. Qui

Mistere Mudalles
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell Q-23	Date Reported:	09-30-06
Laboratory Number:	38581	Date Sampled:	09-21-06
Chain of Custody No:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-25-06
Preservative:	Cool	Date Analyzed:	09-30-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

/ Mistise m Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell Q-38	Date Reported:	09-30-06
Laboratory Number:	38582	Date Sampled:	09-21-06
Chain of Custody No:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-25-06
Preservative:	Cool	Date Analyzed:	09-30-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst C. Calumn

/ Wistine of Waden





Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	09-30-06 QA/	QC	Date Reported:		09-30-06
Laboratory Number:	38573		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		09-30-06
Condition:	N/A		Analysis Reques	ted:	TPH
	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	07-11-05	9.9622E+002	9.9722E+002	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	1.0022E+003	1.0042E+003	0.20%	0 - 15%
Blank Conc. (mg/L - mg/Kg		Concentration	Magazine de la companya	Detection Lin	nit
Gasoline Range C5 - C10	6.1.000.1.1111.1011.000.000 to 110 -0001.00113.17 . 2 90000000000000000000000000000000000	ND	pa suura anno 1000 meet 1000 me	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 38573 - 38582

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Wistine m Wo





Client: Envirotech Project #: Sample ID: Cell K-22 Date Reported: 09-30-06 Laboratory Number: 38573 Date Sampled: 09-21-06 Chain of Custody: 1495 Date Received: 09-21-06 Sample Matrix: Soil Date Analyzed: 09-30-06 Preservative: Cool Date Extracted: 09-25-06 Condition: Cool & Intact Analysis Requested: **BTEX**

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
- arameter	(ug/Ng)	(ug/Ng)
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst





Client: Envirotech
Sample ID: Cell L-37
Laboratory Number: 38574
Chain of Custody: 1495
Sample Matrix: Soil
Preservative: Cool

Cool & Intact

Project #:

Date Reported: 09-30-06

Date Sampled: 09-21-06

Date Received: 09-21-06

Date Analyzed: 09-30-06

Date Extracted: 09-25-06

Analysis Requested: BTEX

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

References:

Total BTEX

Condition:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

ND

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst





Envirotech Project #: Client: Sample ID: Cell M-19 Date Reported: 09-30-06 Date Sampled: Laboratory Number: 38575 09-21-06 1495 Date Received: 09-21-06 Chain of Custody: Sample Matrix: Date Analyzed: 09-30-06 Soil 09-25-06 Preservative: Cool Date Extracted: Condition: Cool & Intact Analysis Requested: **BTEX**

	Concentration	Det. Limit	
Parameter	(ug/Kg)	(ug/Kg)	<u></u>
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst Copies

Mistine m Waster





Client:	Envirotech	Project #:	
Sample ID:	Cell M-32	Date Reported:	09-30-06
Laboratory Number:	38576	Date Sampled:	09-21-06
Chain of Custody:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-30-06
Preservative:	Cool	Date Extracted:	09-25-06
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst P. Commercial Commercial

Review Winter





Client:	Envirotech	Project #:	
Sample ID:	Cell N-9	Date Reported:	09-30-06
Laboratory Number:	38577	Date Sampled:	09-21-06
Chain of Custody:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-30-06
Preservative:	Cool	Date Extracted:	09-25-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst C. Charles

(Minteren Wasters Review





Client: Envirotech Sample ID: Cell N-12 Laboratory Number:

38578 1495

Sample Matrix: Soil Preservative: Cool Cool & Intact

Condition:

Chain of Custody:

Project #:

Date Reported:

Date Sampled: Date Received:

Date Analyzed: Date Extracted:

Analysis Requested:

09-30-06 09-21-06

09-21-06

09-30-06 09-25-06

BTEX

		Det.
	Concentration	Limit
Parameter	(ug/Kg)	(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
-		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

References:

Total BTEX

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

ND

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone





Client: Envirotech
Sample ID: Cell O-16
Laboratory Number: 38579
Chain of Custody: 1495
Sample Matrix: Soil
Preservative: Cool

1495
Soil
Cool
Cool & Intact

Project #:

Date Reported: 09-30-06

Date Sampled: 09-21-06

Date Received: 09-21-06

Date Analyzed: 09-30-06

Date Extracted: 09-25-06
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

References:

Condition:

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst





Client:	Envirotech	Project #:	
Sample ID:	Cell P-11	Date Reported:	09-30-06
Laboratory Number:	38580	Date Sampled:	09-21-06
Chain of Custody:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-30-06
Preservative:	Cool	Date Extracted:	09-25-06
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

(Minter M. Wasters
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell Q-23	Date Reported:	09-30-06
Laboratory Number:	38581	Date Sampled:	09-21-06
Chain of Custody:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-30-06
Preservative:	Cool	Date Extracted:	09-25-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.
	Concentration	Limit
Parameter	(ug/Kg)	(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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

Review Clarke





Client:	Envirotech	Project #:	
Sample ID:	Cell Q-38	Date Reported:	09-30-06
Laboratory Number:	38582	Date Sampled:	09-21-06
Chain of Custody:	1495	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-30-06
Preservative:	Cool	Date Extracted:	09-25-06
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	
	ND	2.2	
p,m-Xylene o-Xylene	ND	1.0	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst C. Oplum

Mistere m Walter
Review





	 "		
Client:	N/A	Project #:	N/A
Sample ID:	09-30-BTEX QA/QC	Date Reported:	09-30-06
Laboratory Number:	38573	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09 - 30-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	l-Cal RF:	C-Cal RF: Accept. Rang	%Diff. ge 0 - 15%	Blank Conc	DetectL.L.L.L.L.L.L.L.L.L.L.L.L.L.L.L.L.L
Benzene	4.2993E+007	4.3079E+007	0.2%	ND	0.2
Toluene	4.9361E+007	4.9460E+007	0.2%	ND	0.2
Ethylbenzene	2.0653E+007	2.0695E+007	0.2%	ND	0.2
p,m-Xylene	9.3300E+007	9.3487E+007	0.2%	ND	0.2
o-Xylene	4.0687E+007	4.0768E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Du	plicate	%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 Amo	unt Spiked Spik	ed Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	ND	50.0	50.0	100.0%	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 38573 - 38582

Analyst

(Mistrem Warters

CHAN OF CLSTODY RECORD

Client / Project Name	Project Location		OGEN AND VOICE OF STATE OF STA	O QUILLE DO
ENUIROTECH	Landfarm	#2 UnitS	AIVALY 019 / PAR	AIMETENS
Sampler:	Client No.	7	l	Remarks
the Carl	2		ک	3rd A John
Sample No./ Sample Sample Identification Date Time	ple Lab Number	Sample Matrix	NG Cont	Prekerand Samps
Cest K-22 9/21/06	38573	عني	\ \ \	24"-36" below
	38574		> >	treathent Zone.
Cue M-19	38575		\rangle \rangl	
Cul M-32	38576		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-
P-N 200	7882			
Cel N-12	38578			
J1-0 Maj	38519		\(\)	
11-8 mg	38580) / /	
Gest 0-23	38581		\ \ \	
(eve 0.38 1	38582	-1	> -	
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Relinquished by: (Signature)		<u> </u>)	
Relinquished by: (Signature)		Rece	Received by: (Signature)	
				Sample Receipt
				A/N Y
		5796 U.S. Highway 64	Jhway 64	Received Intact
		(505) 632-0615	Mexico 6/401 -0615	Cool - Ice/Blue Ice
				san juan reproduction 578-129





Client:	Envirotech	Project #:	
Sample ID:	Cell R-7	Date Reported:	09-27-06
Laboratory Number:	38583	Date Sampled:	09-21-06
Chain of Custody No:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-26-06
Preservative:	Cool	Date Analyzed:	09-27-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

Misteriem Walter
Review





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-06
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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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

Mistury Wades





		-	
Client:	Envirotech	Project #:	
Sample ID:	Cell R-28	Date Reported:	09-27-06
Laboratory Number:	38585	Date Sampled:	09-21-06
Chain of Custody No:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-26-06
Preservative:	Cool	Date Analyzed:	09-27-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Alexand. Ophia.





Client:	Envirotech	Project #:	
Sample ID:	Cell T-7	Date Reported:	09-27-06
Laboratory Number:	38586	Date Sampled:	09-21-06
Chain of Custody No:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-26-06
Preservative:	Cool	Date Analyzed:	09-27-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

Mostere m Walter Review





Client:	Envirotech	Project #:	
Sample ID:	Cell W-10	Date Reported:	09-27-06
Laboratory Number:	38587	Date Sampled:	09-21-06
Chain of Custody No:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-26-06
Preservative:	Cool	Date Analyzed:	09-27-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

Ahrestere m Waeters
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell BB-17	Date Reported:	09-27-06
Laboratory Number:	38588	Date Sampled:	09-21-06
Chain of Custody No:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-26-06
Preservative:	Cool	Date Analyzed:	09-27-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone





-		5	
Client:	Envirotech	Project #:	
Sample ID:	Cell FF-18	Date Reported:	09-27-06
Laboratory Number:	38589	Date Sampled:	09-21-06
Chain of Custody No:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Extracted:	09-26-06
Preservative:	Cool	Date Analyzed:	09-27-06
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)	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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

Musture m Warter





Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	09-27-06 C	QA/QC	Date Reported:		09-27-06
Laboratory Number:	38583		Date Sampled:		N/A
Sample Matrix:	Methylene C	hloride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		09-27-06
Condition:	N/A		Analysis Reques	ted:	TPH
	I-Cal Date	i-Cal RF:	C-Cal RF:	% Difference	Accept: Range
Gasoline Range C5 - C10	07-11-05	9.9854E+002	9.9954E+002	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	1.0011E+003	1.0031E+003	0.20%	0 - 15%
Blank Conc. (mg/L - mg/K	g)	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	e 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 38583 - 38589, 38609, 38621

Analyst





Client:	Envirotech	Project #:	
Sample ID:	Cell R-7	Date Reported:	09-27-06
Laboratory Number:	38583	Date Sampled:	09-21-06
Chain of Custody:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-27-06
Preservative:	Cool	Date Extracted:	09-26-06
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst





Client:	Envirotech	Project #:	
Sample ID:	Cell R-15	Date Reported:	09-27-06
Laboratory Number:	38584	Date Sampled:	09-21-06
Chain of Custody:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-27-06
Preservative:	Cool	Date Extracted:	09-26-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.	
Darameter	Concentration	Limit	
Parameter	(ug/Kg)	(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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst





Client:	Envirotech	Project #:	
Sample ID:	Cell R-28	Date Reported:	09-27-06
Laboratory Number:	38585	Date Sampled:	09-21-06
Chain of Custody:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-27-06
Preservative:	Cool	Date Extracted:	09-26-06
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochiorobenzene	98.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

Mustere m Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell T-7	Date Reported:	09-27-06
Laboratory Number:	38586	Date Sampled:	09-21-06
Chain of Custody:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-27-06
Preservative:	Cool	Date Extracted:	09-26-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
_	ND	4.0	
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst





Client:	Envirotech	Project #:	
Sample ID:	Cell W-10	Date Reported:	09-27-06
Laboratory Number:	38587	Date Sampled:	09-21-06
Chain of Custody:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-27-06
Preservative:	Cool	Date Extracted:	09-26-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit
Parameter	(ug/Kg)	(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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

Review Walter





Client:	Envirotech	Project #:	
Sample ID:	Cell BB-17	Date Reported:	09-27-06
Laboratory Number:	38588	Date Sampled:	09-21-06
Chain of Custody:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-27-06
Preservative:	Cool	Date Extracted:	09-26-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

Mostre m Waetles
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell FF-18	Date Reported:	09-27-06
Laboratory Number:	38589	Date Sampled:	09-21-06
Chain of Custody:	1498	Date Received:	09-21-06
Sample Matrix:	Soil	Date Analyzed:	09-27-06
Preservative:	Cool	Date Extracted:	09-26-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm #2 Unit 5

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst

(houstine of Walters Review





Client:	N/A	Project #:	N/A
Sample ID:	09-27-BTEX QA/QC	Date Reported:	09-27-06
Laboratory Number:	38583	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-27-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF;	C-Cal RF: Accept, Rang	%Diff. je 0 - 15%	Blank Conc	Detect. Limit
Benzene	4.7224E+007	4.7318E+007	0.2%	ND	0.2
Toluene	6.0376E+007	6.0497E+007	0.2%	ND	0.2
Ethylbenzene	2.6514E+007	2.6567E+007	0.2%	ND	0.2
p,m-Xylene	1.0969E+008	1.0991E+008	0.2%	ND	0.2
o-Xylene	5.3489E+007	5.3596E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	. Sample Du	plicate	%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 Amo	unt Spiked Spik	ed Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	39 - 150
Toluene	ND	50.0	49.9	99.8%	46 - 148
Ethylbenzene	ND	50.0	50.0	100.0%	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 38583 - 38589, 38609 - 38610, 38621

Analyst

CHAN OF CLSTODY RECORD

Sample: Sample: Sample Carb. Sample Sample Sample Sample Sample Sample No. Sample Sample Sample Sample Lab Number Sample No. Other No.		
ample No./ Sample Sample Lab Number entification Date Time Lab Number 28583 R-17 9216 38584 R-15 738584 R-15 738587 RB-17 38586 T-7 38587 FF-18 38587 Short Doi: (Signature) Short Doi: (Signature)	ANALYSIS / PARAMETERS	
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ן מוויווויוטנטין, י	5796 U.S. Highway 64 Farmington, New Mexico 87401	Received Intact
(202)	(505) 632-0615	Cool - Ice/Blue Ice





DEC 05 2006

December 4, 2006

Oil Conservation Division 1220 **\$.** St. Francis Drive Santa Fe, NM 87505

Mr. Wayne Price State of New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Dear Mr. Price,

Envirotech, Inc. respectfully submits background sampling results for Envirotech Soil Remediation Facility (ESRF), Landfarm # 2 Unit 4, Hilltop, New Mexico (Permit #01-0011)

Enclosed are the third quarter background samples for 2006.

One cell (A-1) was sampled at a depth of 24"-36" below the treatment zone.

Should you have any questions or require additional information, please do not hesitate to contact me at (505) 632-0615.

Respectfully submitted,

Envirotech, Inc.

Christine M. Walters

Łaboratory Coordinator / Environmental Scientist





Client:	Envirotech	Project #:	
Sample ID:	Cell A-1	Date Reported:	09-28-06
Laboratory Number:	38623	Date Sampled:	09-26-06
Chain of Custody No:	1497	Date Received:	09-26-06
Sample Matrix:	Soil	Date Extracted:	09-26-06
Preservative:	Cool	Date Analyzed:	09-28-06
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)	NĎ	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:

Landfarm #2 Unit 4

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst C. Offeren

Mother Walten
Réview







Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	09-28-06 QA/QC	Date Reported:	09-28-06
Laboratory Number:	38614	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-28-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	07-11-05	9.9665E+002	9.9764E+002	0.10%	0 - 15%
Diesel Range C10 - C28	07-11-05	9.9703E+002	9.9902E+002	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	164	163	0.6%	0 - 30%
Diesel Range C10 - C28	3,650	3,630	0.5%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	164	250	413	99.8%	75 - 125%
Diesel Range C10 - C28	3,650	250	3,890	99.7%	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 38614 - 38620, 38622 - 38623, 38632

Analyst Cherry





Client: Envirotech Project #: Cell A-1 Sample ID: Date Reported: 09-28-06 38623 Laboratory Number: Date Sampled: 09-26-06 Chain of Custody: 1497 Date Received: 09-26-06 Sample Matrix: Soil Date Analyzed: 09-28-06 Preservative: Cool Date Extracted: 09-26-06 Condition: Cool & Intact Analysis Requested: BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Foluene	ND 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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2 Unit 4

3rd Quarter 2006 Background Sample 24"-36" below treatment zone

Analyst





Calibration and Detection Limits (ug/L)	, I-Cal RF:	C-Cal RF: Accept. Rang	%Diff. ge 0 - 15%	Blank Conc	Detect: Limit
Benzene	4.2998E+007	4.3085E+007	0.2%	ND	0.2
Toluene	5.0863E+007	5.0965E+007	0.2%	ND	0.2
Ethylbenzene	2.1828E+007	2.1871E+007	0.2%	ND	0.2
p,m-Xylene	9.3177E+007	9.3364E+007	0.2%	ND	0.2
o-Xylene	4.4222E+007	4.4311E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Di	uplicate	%Diff.	Accept Range	Detect. Limit
Benzene	52.2	52.1	0.2%	0 - 30%	1.8
Toluene	28.7	28.6	0.3%	0 - 30%	1.7
Ethylbenzene	165	164	0.6%	0 - 30%	1.5
p,m-Xylene	261	260	0.4%	0 - 30%	2.2
o-Xylene	50.1	50.0	0.2%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample Amo	ount Spiked Spik	red Sample	% Recovery	Accept Range
Benzene	52.2	50.0	102	99.9%	39 - 150
Toluene	28.7	50.0	78.5	99.7%	46 - 148
Ethylbenzene	165	50.0	214	99.8%	32 - 160
p,m-Xylene	261	100	360	99.9%	46 - 148
o-Xylene	50.1	50.0	100	99.9%	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 38614 - 38620, 38622 - 38623, 38632

Analyst

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CHAN OF CUSTODY RECORD

	Remarks	CY County	Scroles 24"3	Sane.				1 deport		Sample Receipt	N/N >	Intact	Blue Ice	1 100 moint don mon
ANALYSIS / PARAMETERS	9,0	8 0	\$ 1	2			Jan San San San San San San San San San S					Received Intact	Cool - Ice/Blue Ice	
	to .		7				Received by (Signature)	Received by: (Signature)	Received by: (Signature)			ghway 64	Mexico 87 40 1 -0615	
		Sample Matrix	عندی				Date Time Rec	3 1 1 1 1 1 2	Rec			5796 U.S. Highway 64	(505) 632-0615	
Project Location	Client No.	Lab Number	38623				9							
		Sample Sample Date Time	9/36/20											
Client / Project Name	Sampler: Elle Conte		(ecc A-1 9/				Belinquished by: (Signature)	Relinquished by: (Signature)	Relinquished by: (Signature)				** -	And the second s



October 4, 2006

Mr. Brad Jones Environmental Engineer New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505 2006 OCT 6 PM 1 44

RE: Financial Assurance

Dear Mr. Jones:

I am enclosing the revised financial assurance estimate with supporting documents. I have corrected the typographical error concerning the number of tilling events to 39 that changed the tilling costs to from \$46,800 to \$49,725. This revision increases the Total Closure Cost to \$206,650.

If you have need of any additional information please feel free to call me at 505-632-0615.

Yours truly,

Denny Foust

Environmental Geologist

Enclosure

XC: dgf file

Morris Young

DF/Enviro/Landfarm/DGF Notes.doc

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ENVIROTECH INC

Land Farm Financial Assurance

This analysis is based on a maximum of 45 out of 65 cells open for remediation and /or 225 acres of 300 acres included in the active landfarm operation. The remaining cells will be in discontinued maintenance. An additional eight to ten acres within the permit are involved in road and pipeline rights-of-way.

CLOSURE COSTS CALCULATED FOR AN EIGHTEEN MONTH CLOSURE PERIOD

Although an average figure of one-half the open cells or acreage could be used for the following calculations, a two thirds average is utilized to account for conditions that will vary from the norm.

- 1. Based on a Pohl Industries submittal:
 - A. Tilling costs of \$8.50 per acre on an average of 150 acres open for the 18 month closure period is \$49,725.
 - B. One hour for mobilization and one hour for demobilization will be needed for each of the 39 tilling events (78 hours X \$85/hr) for a cost of \$6,600.
 - C. Reseeding costs for grass seed applied with a grain drill is \$8.50 per acre for 300 acres, plus grass seed and amendments of \$81 per acre for 300 acres is a total of \$26,850.
 - D. Berm and fence removal is estimated to be \$4,280
 - E. There are no permanent tanks at the land farm. Removal of the stabilization pad for demolition, trucking, and disposal will be \$14,546

Sub-total \$102,001

- 2. Based on Envirotech's known laboratory costs:
 - A. Quarterly background BTEX analysis and an 8015 procedure are \$139; an average of 30 cells will be open for the closure period of 18 months (6 quarters X 30 cells) is \$25,020.
 - B. Annual and closure vadose zone sampling will be an additional \$184 per sample for Metals and Cation/Anion analysis. A total of 90 samples will be needed for 45 cells with annual sampling and vadose zone closure sampling for a total laboratory cost of \$16,560.
 - C. Closure sampling figured on two samples per 5 acre cell will be (90 X \$139) per sample for a total of \$ 12,510.

Sub-total \$54,090

3. Blagg Engineering estimates sampling:

5 5 5 6

- A. Quarterly vadose zone sampling will cost \$150.34 per sample. Calculated on an average of 30 cells open over the 4 quarters in addition to annual and closure sampling is used in these calculations, this is a total cost of (120 x \$150.34) \$18,040
- B. The remaining two quarters of vadose zone sampling are included in the costs shown in "B" as follows. The cost per five point vadose zone background sample remains \$150.34. Based on 45 cells requiring annual and closure sampling this is a cost of (90 x \$150.34) \$13,530.
- C. Backfilling material for 1050 auger holes approximately three feet deep will take 350 sacks of bentonite at \$10.05 per sack \$3517. Time and equipment costs are \$55 per sample for 210 samples \$11550.
- D. Closure Sampling for remediation is \$35.41 per sample, utilizing an average of 2 samples per cell for 45 cells is (90x \$35.41) giving a cost of \$3,187.
- E. Mobilization and demobilization for six sample events is 10.5 hours at 70.00 per hour (equipment and labor) is \$735.00.

Sub-total \$50,559

Total Closure Cost: \$206,650.

DF/Enviro/Landfarm/DGF Notes.doc



Landfarm Lab Charges

Background: One sample taken for 5 acre cells four times a year.

First, Second & Third Quarter

8015	\$69.50
BTEX	\$69.50
	\$139.00

Forth Quarter

8015	\$69.50
BTEX	\$69.50
Metals	\$115.00
Cation/Anion	\$69.00
	\$323.00

Closure: One sample taken per 5 acre cell (TPH must be below 100ppm, BTEX less then 50ppm and Benzene 10ppm to close cell)

8015	\$69.50
BTEX	\$69.50
	\$139.00

POHL INDUSTRIES 5 CR 5255 BLOOMFIELD NM 87413 505-632-0647

We are pleased to provide the following estimate for remediation of Landfarm #2 owned and operated by Young Environmental Services Inc DBA Envirotech Inc.

The area is comprised of a total of 308 acres requiring disking every two (2) weeks for a period of eighteen (18) months.

Using that base information we are prepared to submit the following bid:

Machinery	\$60.00
Mobilization	\$85.00
Labor	\$10.00
Fuel	<u>\$15.00</u>
	\$170.00

We are able to disk approximately ten (10) acres per hour for a ten (10) hour day which averages 100 acres a day (+ or -). So we will be able to cover the entire 308 acres in three (3) days at a cost of \$2550.00. Over a period of eighteen months the total cost would be \$91,800.00. In addition we would charge an additional \$89.50 per acre to reseed the designated area, which includes the cost of seed and labor. That additional cost would be \$27,566.00.

In the event you require the fences to be removed and the berms leveled, the additional cost would be \$4,280.00.

In the event you require the blending facility area to be removed the additional cost breaks down as follows:

Excavator	27 hrs @ \$95.00 an hour	\$2565.00
Excavator with hammer	27 hrs @ \$95.00 an hour	\$2565.00
Equipment mobilization	_	\$893.00
Operators (2)	30 hrs @ \$74.00 an hour	\$2220.00
Trucking	46 hrs @ \$81.20 an hour	\$3735.00
Landfill Disposal		\$2340.00
Support vehicle with driver		\$228.00
Total		\$14546.00

Thanks you for the opportunity to provide this quote to you.

David L Pohl

BLAGG ENGINEERING, INC. COST ESTIMATOR SHEET

PROJECT LOCATION:

Envirotech Landfarm

PROJECT SCOPE:

Quarterly Cell Monitoring

Estimated Per Cell Per Quarter Sampling Cost

Surface Cell Testing September 19, 2006

DATE:

COST DETAIL:

				
<u>Personnel</u>	No. Hours	Cost /hr	• -	Total Cost
	1.05			#07.50
1 ea 5-pt composite		\$70.00 /hr		\$87.50
Backfilling	0.63	\$70.00 /hr		\$43.75
Quarterly Report	0.33	\$70.00 /hr	-	\$23.10
Mob/Demob	0.05	\$70.00 /hr		\$3.50
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Perso	nnel Total:	\$157.85
Equipment	No. Units	Cost /un		Total Cost
<u></u>	140. Omio	<u> </u>	<u>III.</u>	10101 0001
Support Vehicle	1.50	\$18.00 /hr		\$27.00
GPS Unit	1.25	\$2.00 /hr		\$2.50
Trailer	1.50	\$7.50 /hr		\$11.25
Bentonite Mix	1.66	\$10.05 /sa	ck	\$16.68
		Equipr	ment Total:	\$57.43
Outside Services	No. Units	Cost /un		Total Cost
Assumptions: (1) E	Envirotech will provide a	site plat with 5	-acre cell la	youts
	nvirotech will provide in	 		
(3) T	his is a cost estimate o	nly. All parties	will be best	served by
C	onducting work on a tir	ne and materia	ıls basis.	
			444.20	
			Outside:	\$0.00
-				
			Sub-Total:	\$215.28
		NMGRT	0.0731	\$15.74
			T-4-1	¢224.62
			Total:	\$231.02

BLAGG ENGINEERING, INC. COST ESTIMATOR SHEET





PROJECT LOCATION:

Envirotech Landfarm

PROJECT SCOPE:

Quarterly Cell Monitoring Estimated Per Cell Per Quarter Sampling Cost

Surface Cell Testing September 28, 2006

COST DETAIL .

DATE:

COST DETAIL:			
<u>Personnel</u>	No. Hours	Cost /hr	Total Cost
1 ea 5-pt composite	0.25	\$70.00 /hr	\$17.50
Quarterly Report	0.15	\$70.00 /hr	\$10.50
			A A A A A A A A A A A A A A A A A A A
		Personnel Total:	\$28.00
<u>Equipment</u>	No. Units	Cost /unit	Total Cost
Support Vehicle	0.25	\$18.00 /hr	\$4.50
GPS Unit	0.25	\$2.00 /hr	\$0.50
		Equipment Total:	\$5.00
Outside Services	No. Units	Cost /unit	Total Cost
Assumptions:			
		-house laboratory service	
		nly. All parties will be besone and materials basis.	t served by
		1,200	
		Outside:	\$0.00
		<u></u>	
		Project Sub-Total:	\$33.00



September 28, 2006

Mr. Brad Jones Environmental Engineer New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

2006 OCT 2 PM 3 41

W/2/64
Requested revisions
via Lune

RE: Financial Assurance

Dear Mr. Jones:

I am enclosing the revised financial assurance estimate with supporting documents. We have tried to address all of your concerns with our original estimate of closure costs. With the additional costs resulting from your concerns the Total Closure Costs are \$203,725.

If you have need of any additional information please feel free to call me at 505-632-0615. It is still an adventure using the phones but I am slowly eliminating operator error.

Yours truly,

Denny Foost

Environmental Geologist

Enclosure

XC: dgf file

Morris Young

September 28, 2006

ENVIROTECH INC

Land Farm Financial Assurance

This analysis is based on a maximum of 45 out of 65 cells open for remediation and /or 225 acres of 300 acres included in the active landfarm operation. The remaining cells will be in discontinued maintenance. An additional eight to ten acres within the permit are involved in road and pipeline rights-of-way.

CLOSURE COSTS CALCULATED FOR AN EIGHTEEN MONTH CLOSURE PERIOD

Although an average figure of one-half the open cells or acreage could be used for the following calculations a two thirds average is utilized to account for conditions that will vary from the norm.

- 1. Based on a Pohl Industries submittal:
 - A. Tilling costs of \$8.50 per acre on an average of 150 acres open over the 18 month closure period is \$46,800.
 - B. One Hour for Mobilization and one hour for demobilization will be needed or each of 38 tilling events (78 hours X \$85/hr) for a cost of \$6,660
 - C. Reseeding costs for grass seed applied with a grain drill is \$8.50 per acre for 300 acres, plus grass seed and amendments of \$81 per acre for 300 acres is a total \$26,850.
 - D. Berm and fence removal is estimated to be \$4,280
 - E. There are no permanent tanks at the land farm. Removal of the stabilization pad for demolition, trucking and disposal will be \$14,546

Sub-total \$99,076

- 2. Based on Envirotech known laboratory costs:
 - A. Quarterly background BTEX analysis and an 8015 procedure are \$139, an average of 30 cells will be open over the closure period of 18 months (6 quarters X 30 cells) is \$25,020.
 - B. Annual and closure vadose zone sampling will be an additional\$184 per sample for Metals and Cation/Anion analysis. A total of 90 samples will be needed for 45 cells with annual sampling and vadose zone closure sampling for a total laboratory cost of \$16,560.
 - C. Closure sampling figured on two samples per 5 acre cell will be (90 X \$139) per sample for a total of \$ 12,510.

Sub-total \$54,090

- 3. Blagg Engineering estimates sampling:
 - A. Quarterly vadose zone sampling will cost \$150.34 per sample. Calculated on an average of 30 cells open over the 4 quarters in addition to annual and closure sampling is used in these calculations this is a total cost of (120 x \$150.34) \$18,040
 - B. The remaining two quarters of vadose zone sampling are included in the costs shown in "B" as follows. The cost per five point vadose zone background sample remains \$150.34. Based on 45 cells requiring annual and closure sampling this is a cost of (90 x \$150.34) \$13,530.
 - C. Backfilling material for 1050 auger holes approximately three feet deep will take 350 sacks of bentonite at \$10.05 per sack \$3517. Time and equipment costs are \$55 per sample for 210 samples \$11550.
 - D. Closure Sampling for remediation is \$35.41 per sample, utilizing an average of 2 samples per cell for 45 cells is (90x \$35.41) giving a cost of \$3,187.
 - E. Mobe and demobe for six sample events is 10.5 hours at 70.00 per hour (equipment and labor) is \$735.00.

Sub-total \$50,559

Total Closure Cost: \$203,725

DF/Enviro/Landfarm/DGF Notes.doc

POHL INDUSTRIES 5 CR 5255 BLOOMFIELD NM 87413 505-632-0647

We are pleased to provide the following estimate for remediation of Landfarm #2 owned and operated by Young Environmental Services Inc DBA Envirotech Inc.

The area is comprised of a total of 308 acres requiring disking every two (2) weeks for a period of eighteen (18) months.

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Machinery	\$60.00
Mobilization	\$85.00
Labor	\$10.00
Fuel	\$15.00
	\$170.00

We are able to disk approximately ten (10) acres per hour for a ten (10) hour day which averages 100 acres a day (+ or -). So we will be able to cover the entire 308 acres in three (3) days at a cost of \$2550.00. Over a period of eighteen months the total cost would be \$91,800.00. In addition we would charge an additional \$89.50 per acre to reseed the designated area, which includes the cost of seed and labor. That additional cost would be \$27,566.00.

In the event you require the fences to be removed and the berms leveled, the additional cost would be \$4,280.00.

In the event you require the blending facility area to be removed the additional cost breaks down as follows:

Excavator	27 hrs @ \$95.00 an hour	\$2565.00
Excavator with hammer	27 hrs @ \$95.00 an hour	\$2565.00
Equipment mobilization	_	\$893.00
Operators (2)	30 hrs @ \$74.00 an hour	\$2220.00
Trucking	46 hrs @ \$81.20 an hour	\$3735.00
Landfill Disposal		\$2340.00
Support vehicle with driver		<u>\$228.00</u>
Total		\$14546.00

Thanks you for the opportunity to provide this quote to you.

David L Pohl





Landfarm Lab Charges

Background: One sample taken for 5 acre cells four times a year.

First, Second & Third Quarter

8015	\$69.50
BTEX	\$69.50
	\$139.00

Forth Quarter

8015	\$69.50
BTEX	\$69.50
Metals	\$115.00
Cation/Anion	\$69.00
•	\$323.00

Closure: One sample taken per 5 acre cell (TPH must be below 100ppm, BTEX less then 50ppm and Benzene 10ppm to close cell)

8015	\$69.50
BTEX	\$69.50
	\$139.00

BLAGG ENGINEERING, INC. COST ESTIMATOR SHEET

PROJECT LOCATION:

Envirotech Landfarm

PROJECT SCOPE:

Quarterly Cell Monitoring

Estimated Per Cell Per Quarter Sampling Cost

Surface Cell Testing

DATE:

September 19, 2006

COST DETAIL:

COST DETAIL:				
<u>Personnel</u>	No. Hours	Cost /h	<u>ır</u> .	Total Cost
1 ea 5-pt composite	1.25	\$70.00 /h	<u>r</u>	\$87.50
Backfilling	0.63	\$70.00 /h	Γ	\$43.75
Quarterly Report	0.33	\$70.00 /h	r	\$23.10
Mob/Demob	0.05	\$70.00 /h	r	\$3.50
		Pers	onnel Total:	\$157.85
<u>Equipment</u>	No. Units	Cost /u	<u>nit</u>	Total Cost
Support Vehicle	1.50	\$18.00 /h		\$27.00
GPS Unit	1.25	\$2.00 /h	Γ	\$2.50
Trailer	1.50	\$7.50 /h	r	\$11.25
Bentonite Mix	1.66	\$10.05 /sa	ack	\$16.68
Outoido Sontinos	No Unito		ment Total:	\$57.43
Outside Services	No. Units	Cost /u	nit	Total Cost
Assumptions: (1) En	virotech will provide a	site plat with	5-acre cell la	youts
(2) Env	virotech will provide in	ı-house labora	tory services	
(3) Thi	s is a cost estimate o	nly. All parties	will be best	served by
COT	nducting work on a tin	ne and materi	als basis.	
			Outside:	\$0.00
		-	t Sub-Total:	\$215.28
		Project NMGRT	t Sub-Total: 0.0731	\$215.28 \$15.74

BLAGG ENGINEERING, INC. COST ESTIMATOR SHEET





PROJECT LOCATION:

Envirotech Landfarm

PROJECT SCOPE:

Quarterly Cell Monitoring
Estimated Per Cell Per Quarter Sampling Cost

DATE:

Surface Cell Testing September 28, 2006

COST DETAIL:

Personnel	No. Hours	Cost /hr		Total Cost
1 ea 5-pt composite	0.25	\$70.00 /hr		\$17.50
Quarterly Report	0.15	\$70.00 /hr	- A - A - A - A - A - A - A - A - A - A	\$10.50
		Persor	nel Total:	\$28.00
<u>Equipm</u> ent	No. Units	Cost /uni	<u>t</u>	Total Cost
Support Vehicle	0.25	\$18.00 /hr		\$4.50
GPS Unit	0.25	\$2.00 /hr		\$0.50
		Equipm	ent Total:	\$5.00
Outside Services	No. Units			
Outside Services	No. Units	Cost /uni		Total Cost
Assumptions:		Cost /uni		Total Cost
Assumptions: (1) Envi	irotech will provide in	Cost /uni	ry services	Total Cost
Assumptions: (1) Envi		Cost /uni -house laborato nly. All parties v	ry services	Total Cost
Assumptions: (1) Envi	irotech will provide in	Cost /uni -house laborato nly. All parties v	ry services	Total Cost
Assumptions: (1) Envi	irotech will provide in	Cost /uni -house laborato nly. All parties v	ry services	Total Cost
Assumptions: (1) Envi	irotech will provide in	Cost /uni -house laborato nly. All parties v	ry services	Total Cost
Assumptions: (1) Envi	irotech will provide in	Cost /uni -house laborato nly. All parties v	ry services	Total Cost
Assumptions: (1) Envi	irotech will provide in	Cost /unin-house laboratonly. All parties vone and material	ory services vill be best s basis. Outside:	Served by
Assumptions: (1) Envi	irotech will provide in	Cost /unin-house laboratonly. All parties vone and material	ory services will be best s basis.	Total Cost
Assumptions: (1) Envi	irotech will provide in	Cost /unin-house laborate nly. All parties when and materials	ory services will be best s basis. Outside:	Total Cost served by \$0.00



OCD LANDFARM 2

CELL GRID LAYOUT

REVISIONS BY CJC DATE 07/12/06 BY CJC DATE 08/25/06

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401 (505) 632-0615

SITE MAP

DATE 07/12/06 SCALE 1"= 600'

DRAWN

APPROVED

CJC

FIGURE 1 CJC



September 14, 2006

Mr. Edwin Martin State of New Mexico Oil Conservation Division 1220 South St. Francis Drive

Santa Fe. New Mexico 87505

REVED

SEP 18 ZUU6

Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, NM 87505

Dear Mr. Martin,

Envirotech, Inc. respectfully submits background sampling results for Envirotech Soil Remediation Facility (ESRF), Landfarm # 2 Unit 5, Hilltop, New Mexico. Enclosed are the second quarter background samples for 2006.

The following is a list of the twenty-seven cells sampled at a depth of 24"-36" below the treatment zone.

Cells: Y-10, U-15, U-8, GG-16, DD-17, Z-18, A-1, P-19, Q-14, F-14, I-33, O-11, L-18, D-17, D-27, B-22, N-37, G-24, G-29, B-34, N-28, F-36, R-9, M-32, E-11, A-15 and E-15.

Should you have any questions or require additional information, please do not hesitate to contact me at (505) 632-0615.

Respectfully submitted, **Envirotech, Inc.**

Wustuu m w Christine M. Walters

Laboratory Coordinator / Environmental Scientist





Client:	Envirotech	Project #:	
Sample ID:	Y - 10	Date Reported:	07-03-06
Laboratory Number:	37612	Date Sampled:	06-28-06
Chain of Custody No:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Extracted:	06-30-06
Preservative:	Cool	Date Analyzed:	07-03-06
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)	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:

LF #2 - Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Comments

Mister Walter Review





Client:	Envirotech	Project #:	
Sample ID:	U - 15	Date Reported:	07-03-06
Laboratory Number:	37613	Date Sampled:	06-28-06
Chain of Custody No:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Extracted:	06-30-06
Preservative:	Cool	Date Analyzed:	07-03-06
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)	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:

LF #2 - Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Cal

Mustere m Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	U - 8	Date Reported:	07-03-06
Laboratory Number:	37614	Date Sampled:	06-28-06
Chain of Custody No:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Extracted:	06-30-06
Preservative:	Cool	Date Analyzed:	07-03-06
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)	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:

LF #2 - Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst Col

(hustine m) Walter Review





Client:	Envirotech	Project #:	
Sample ID:	GG - 16	Date Reported:	07-03-06
Laboratory Number:	37615	Date Sampled:	06-28-06
Chain of Custody No:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Extracted:	06-30-06
Preservative:	Cool	Date Analyzed:	07-03-06
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)	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:

LF #2 - Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C.Cellin

Mustinen Walles
Review





		-	
Client:	Envirotech	Project #:	
Sample ID:	DD - 17	Date Reported:	07-03-06
Laboratory Number:	37616	Date Sampled:	06-28-06
Chain of Custody No:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Extracted:	06-30-06
Preservative:	Cool	Date Analyzed:	07-03-06
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)	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:

LF #2 - Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Car

Mustere M Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	Z - 18	Date Reported:	07-03-06
Laboratory Number:	37617	Date Sampled:	06-28-06
Chain of Custody No:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Extracted:	06-30-06
Preservative:	Cool	Date Analyzed:	07-03-06
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)	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:

LF #2 - Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Musture mulaster Review





Client:	Envirotech	Project #:	
Sample ID:	A - 1	Date Reported:	07-03-06
Laboratory Number:	37618	Date Sampled:	06-28-06
Chain of Custody No:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Extracted:	06-30-06
Preservative:	Cool	Date Analyzed:	07-03-06
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)	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:

LF #2 - Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Ahrstenen Watters
Review







Quality Assurance Report

QA/QC	Project #:	N/A
07-03-06 QA/QC	Date Reported:	07-03-06
37612	Date Sampled:	N/A
Methylene Chloride	Date Received:	N/A
N/A	Date Analyzed:	07-03-06
N/A	Analysis Requested:	TPH
	07-03-06 QA/QC 37612 Methylene Chloride N/A	07-03-06 QA/QC Date Reported: 37612 Date Sampled: Methylene Chloride Date Received: N/A Date Analyzed:

	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	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 37612 - 37621.

Analyst

Review





Client:	Envirotech	Project #:	
Sample ID:	Y - 10	Date Reported:	07-03-06
Laboratory Number:	37612	Date Sampled:	06-28-06
Chain of Custody:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Analyzed:	07-03-06
Preservative:	Cool	Date Extracted:	06-30-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Danes : :	ND	4.0
Benzene Toluene	ND ND	1.8 1.7
Ethylbenzene	ND 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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 - Unit 5

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mistisem Waltes
Review





Client:	Envirotech	Project #:	
Sample ID:	U - 15	Date Reported:	07-03-06
Laboratory Number:	37613	Date Sampled:	06-28-06
Chain of Custody:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Analyzed:	07-03-06
Preservative:	Cool	Date Extracted:	06-30-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND 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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 - Unit 5

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Musture of Wasters
Review





Client:	Envirotech	Project #:	
Sample ID:	U - 8	Date Reported:	07-03-06
Laboratory Number:	37614	Date Sampled:	06 - 28-06
Chain of Custody:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Analyzed:	07-03-06
Preservative:	Cool	Date Extracted:	06-30-06
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 - Unit 5

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Communication of the Communication of th

Mestre Muaeters Review





Client:	Envirotech	Project #:	
Sample ID:	GG - 16	Date Reported:	07-03-06
Laboratory Number:	37615	Date Sampled:	06-28-06
Chain of Custody:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Analyzed:	07-03-06
Preservative:	Cool	Date Extracted:	06-30-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit
Parameter	(ug/Kg)	(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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 - Unit 5

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst P. Qi

Muster Mu actes
Review





Client:	Envirotech	Project #:	
Sample ID:	DD - 17	Date Reported:	07-03-06
Laboratory Number:	37616	Date Sampled:	06-28-06
Chain of Custody:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Analyzed:	07-03-06
Preservative:	Cool	Date Extracted:	06-30-06
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 - Unit 5

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Coffice

Mister Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	Z - 18	Date Reported:	07-03-06
Laboratory Number:	37617	Date Sampled:	06-28-06
Chain of Custody:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Analyzed:	07-03-06
Preservative:	Cool	Date Extracted:	06-30-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 - Unit 5

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Anstre m Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	A - 1	Date Reported:	07-03-06
Laboratory Number:	37618	Date Sampled:	06-28-06
Chain of Custody:	1112	Date Received:	06-28-06
Sample Matrix:	Soil	Date Analyzed:	07-03-06
Preservative:	Cool	Date Extracted:	06-30-06
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 - Unit 5

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst P. Ogler

Aresture mulabeles Review





Client: Sample ID: Laboratory Number:	N/A 07-03-BTEX QA/QC 37612	Project #: Date Reported: Date Sampled:	N/A 07-03-06 N/A
Sample Matrix:	Soil N/A	Date Received: Date Analyzed:	N/A 07-03-06
Preservative: Condition:	N/A N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-CaliRF;	C-Cal RF: Accept, Rang	%Diff. ge 0 - 15%	Blank Cone	Detect.
Benzene	6.0377E+007	6.0498E+007	0.2%	ND	0.2
Toluene	7.8284E+007	7.8441E+007	0.2%	ND	0.2
Ethylbenzene	3.8072E+007	3.8148E+007	0.2%	ND	0.2
p,m-Xylene	1.4624E+008	1.4653E+008	0.2%	ND	0.2
o-Xylene	7.3050E+007	7.3197E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Du	plicate	%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 Amo	unt Spiked Spik	ed Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	ND	50.0	50.0	100.0%	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 37612 - 37621.

Analyst

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CHAIN OF CUSTODY RECORD

Client / Project Name		ocati	المي ر	ANALYSIS /	ANALYSIS / PARAMETERS
CAC rotach Sampler		Client No	7		
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Client:	Envirotech	Project #:	
Sample ID:	P - 19	Date Reported:	06-20-06
Laboratory Number:	37435	Date Sampled:	06-16-06
Chain of Custody No:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-19-06
Preservative:	Cool	Date Analyzed:	06-20-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24" - 36" Below Treatment Zone.

Analyst

Mustine M Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 14	Date Reported:	06-20-06
Laboratory Number:	37436	Date Sampled:	06-16-06
Chain of Custody No:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-19-06
Preservative:	Cool	Date Analyzed:	06-20-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24" - 36" Below Treatment Zone.

Analyst C. Column

Mistine M Walter Review





Client:	Envirotech	Project #:	
Sample ID:	. L - 14	Date Reported:	06-20-06
Laboratory Number:	37437	Date Sampled:	06-16-06
Chain of Custody No:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-19-06
Preservative:	Cool	Date Analyzed:	06-20-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24" - 36" Below Treatment Zone.

Analyst P. Communication of the Communication of th

Mistine m Waeters
Review





Client:	Envirotech	Project #:	
Sample ID:	I - 33	Date Reported:	06-20-06
Laboratory Number:	37438	Date Sampled:	06-16-06
Chain of Custody No:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-19-06
Preservative:	Cool	Date Analyzed:	06-20-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24" - 36" Below Treatment Zone.

Analyst C. Branch

Motere m Waeters





Client:	Envirotech	Project #:	
Sample ID:	O - 11	Date Reported:	06-20-06
Laboratory Number:	37439	Date Sampled:	06-16-06
Chain of Custody No:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-19-06
Preservative:	Cool	Date Analyzed:	06-20-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24" - 36" Below Treatment Zone.

Analyst . Cylinder

Mistury Wasters
Beview





		· ·	
Client:	Envirotech	Project #:	
Sample ID:	L - 18	Date Reported:	06-20-06
Laboratory Number:	37440	Date Sampled:	06-16-06
Chain of Custody No:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-19-06
Preservative:	Cool	Date Analyzed:	06-20-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24" - 36" Below Treatment Zone.

Analyst

(Muster of Walters Review





Client:	Envirotech	Project #:	
Sample ID:	D - 17	Date Reported:	06-20-06
Laboratory Number:	37441	Date Sampled:	06-16-06
Chain of Custody No:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-19-06
Preservative:	Cool	Date Analyzed:	06-20-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24" - 36" Below Treatment Zone.

Alexandre Colombia

Mistur MWaeters
Review





Client:	Envirotech	Project #:	
Sample ID:	D - 27	Date Reported:	06-20-06
Laboratory Number:	37442	Date Sampled:	06-16-06
Chain of Custody No:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-19-06
Preservative:	Cool	Date Analyzed:	06-20-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24" - 36" Below Treatment Zone.

Analyst C. China

Muster m Waeters
Review





Envirotech	Project #:	
	•	06-20-06
	•	06-16-06
	•	06-16-06
		06-19-06
		06-20-06
Cool and Intact	•	8015 TPH
	Envirotech B - 22 37443 1079 Soil Cool Cool and Intact	B - 22 Date Reported: 37443 Date Sampled: 1079 Date Received: Soil Date Extracted: Cool Date Analyzed:

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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24" - 36" Below Treatment Zone.

Analyst C. Cermina

Musture of Walter





Client:	Envirotech	Project #:	
Sample ID:	N - 37	Date Reported:	06-20-06
Laboratory Number:	37444	Date Sampled:	06-16-06
Chain of Custody No:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-19-06
Preservative:	Cool	Date Analyzed:	06-20-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24" - 36" Below Treatment Zone.

Analyst

Mistere n Waeters
Review





Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-20-06 QA/QC	Date Reported:	06-20-06
Laboratory Number:	37435	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-20-06
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	1.0066E+003	1.0076E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	1.0072E+003	1.0092E+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	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 37435 - 37444.

Analyst C. Celum

Mustine m Walles
Review





Client:	Envirotech	Project #:	
Sample ID:	P - 19	Date Reported:	06-20-06
Laboratory Number:	37435	Date Sampled:	06-16-06
Chain of Custody:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-20-06
Preservative:	Cool	Date Extracted:	06-19-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det.
Parameter	Concentration (ug/Kg)	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	99.0 %
	1,4-difluorobenzene	99.0 %
•	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5

2nd Quarter 2006 Background Sample 24"-36" Below Treatment Zone.

Analyst

Ansteren Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 14	Date Reported:	06-20-06
Laboratory Number:	37436	Date Sampled:	06-16-06
Chain of Custody:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-20-06
Preservative:	Cool	Date Extracted:	06-19-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	•	Det.	
_	Concentration	Limit	
Parameter	(ug/Kg)	(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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 Unit 5

2nd Quarter 2006 Background Sample 24"-36" Below Treatment Zone.

Analyst

Review





Client:	Envirotech	Project #:	
Sample ID:	L - 14	Date Reported:	06-20-06
Laboratory Number:	37437	Date Sampled:	06-16-06
Chain of Custody:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-20-06
Preservative:	Cool	Date Extracted:	06-19-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
- MI MILIOTOI	(29/119)	(8,1,2)
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 Unit 5

2nd Quarter 2006 Background Sample 24"-36" Below Treatment Zone.

Analyst

Review





Client:	Envirotech	Project #:	
Sample ID:	1 - 33	Date Reported:	06-20-06
Laboratory Number:	37438	Date Sampled:	06-16-06
Chain of Custody:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-20-06
Preservative:	Cool	Date Extracted:	06-19-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.	
Parameter	Concentration (ug/Kg)	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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 Unit 5

2nd Quarter 2006 Background Sample 24"-36" Below Treatment Zone.

Analyst

(Mostine Milatin





Client:	Envirotech	Project #:	
Sample ID:	O - 11	Date Reported:	06-20-06
Laboratory Number:	37439	Date Sampled:	06-16-06
Chain of Custody:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-20-06
Preservative:	Cool	Date Extracted:	06-19-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
_	Concentration	Limit	
Parameter	(ug/Kg)	(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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 Unit 5

2nd Quarter 2006 Background Sample 24"-36" Below Treatment Zone.

Analyst

(Mosters Malters Review





Client:	Envirotech	Project #:	
Sample ID:	L - 18	Date Reported:	06-20-06
Laboratory Number:	37440	Date Sampled:	06-16-06
Chain of Custody:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-20-06
Preservative:	Cool	Date Extracted:	06-19-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit
Parameter	(ug/Kg)	(ug/Kg)
Benzene	ND ND	1.8
Гoluene	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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 Unit 5

2nd Quarter 2006 Background Sample 24"-36" Below Treatment Zone.

Analyst

(Mustine m Walters





Client:	Envirotech	Project #:	
Sample ID:	D - 17	Date Reported:	06-20-06
Laboratory Number:	37441	Date Sampled:	06-16-06
Chain of Custody:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-20-06
Preservative:	Cool	Date Extracted:	06-19-06
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 Unit 5

2nd Quarter 2006 Background Sample 24"-36" Below Treatment Zone.

Analyst

Muster m Walters

Review





Client:	Envirotech	Project #:	
Sample ID:	D - 27	Date Reported:	06-20-06
Laboratory Number:	37442	Date Sampled:	06-16-06
Chain of Custody:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-20-06
Preservative:	Cool	Date Extracted:	06-19-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND 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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5

2nd Quarter 2006 Background Sample 24"-36" Below Treatment Zone.

Analyst P. Cylina

Muster Malters
Review





Client:	Envirotech	Project #:	
Sample ID:	B - 22	Date Reported:	06-20-06
Laboratory Number;	37443	Date Sampled:	06-16-06
Chain of Custody:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-20-06
Preservative:	Cool	Date Extracted:	06-19-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
	Concentration	Limit	
Parameter	(ug/Kg)	(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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5

2nd Quarter 2006 Background Sample 24"-36" Below Treatment Zone.

Analyst

(Mustur m Walters

Beview





Client:	Envirotech	Project #:	
Sample ID:	N - 37	Date Reported:	06-20-06
Laboratory Number:	37444	Date Sampled:	06-16-06
Chain of Custody:	1079	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-20-06
Preservative:	Cool	Date Extracted:	06-19-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5

2nd Quarter 2006 Background Sample 24"-36" Below Treatment Zone.

Analyst

Mustre m Walter





Client: Sample ID: Laboratory Number:	N/A 06-20-BTEX QA/QC 37435	Project #: Date Reported: Date Sampled:	N/A 06-20-06 N/A
Sample Matrix: Preservative:	Soil N/A	Date Received: Date Analyzed:	N/A 06-20-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept, Rang	%Diff. ge 0 - 15%	Blank Conc	Detect. Limit
Benzene	5.9472E+007	5.9591E+007	0.2%	ND	0.2
Toluene	7.0166E+007	7.0307E+007	0.2%	ND	0.2
Ethylbenzene	3.8868E+007	3.8946E+007	0.2%	ND	0.2
p,m-Xylene	1.3403E+008	1.3430E+008	0.2%	ND	0.2
o-Xylene	6.4365E+007	6.4494E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Du	plicate	%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 Amo	ount Spiked Spik	ed 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	50.0	100.0%	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 37435 - 37444.

Ánalvst

<u>'Nustuu m bu</u> Review

CHAIN OF CUSTODY RECORD

Client / Project Name			Project Location		ANALYSIS / PARAMETERS	AMETERS
E hurstech			7# 47	Unit 5		
Sampler:			Client No.		S	Remarks
Jeff Miles	les		4/2		of ainer.	
Sample No./ S Identification		Sample Time	Lab Number	Sample Matrix		Professional
2 2	40 91 07	8:20	37435 Sert	کاتہ		36."
<u>ਤ</u> ਹ		8:40	37436		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Delow Treatment
Ţ		\$:55	37437		\ \ -	Zova .
1-33	i	9.05	37438		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
0-11		9:15	37439			
8: 7		9:30	37440			
D-11		8.4X	37441		\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
		09:01	37442			
6-23		lo, 05	37443		>	
N-37	7	10:15	37444	4	>	
Relinquished by: (Signature)		-		Date Time R	Received by: (Signature)	Date Time
//	2			mdco:0) 90/01/0	Mixture of Waster	0981 90/01/01
Relinquishek By (Sighature)				•	(e)	
Relinquished by: (Signature)				<u>«</u>	Received by: (Signature)	
						Sample Receipt
					Property Control of the Control of t	Y N/A
				5796 U.S. I Farmington, Nev	5796 U.S. Highway 64 Farmington, New Mexico 87401	Received Intact
				(505)	(505) 632-0615	Cool - Ice/Blue Ice





Client:	Envirotech	Project #:	
Sample ID:	G - 24	Date Reported:	06-24-06
Laboratory Number:	37445	Date Sampled:	06-16-06
Chain of Custody No:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-20-06
Preservative:	Cool	Date Analyzed:	06-24-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Colem

Misteren Walter Review





Client:	Envirotech	Project #:	
		•	
Sample ID:	G - 29	Date Reported:	06-24-06
Laboratory Number:	37 44 6	Date Sampled:	06-16-06
Chain of Custody No:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-20-06
Preservative:	Cool	Date Analyzed:	06-24-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst Comment

Mistry Walles
Review





Client:	Envirotech	Project #:	
Sample ID:	B - 34	Date Reported:	06-24-06
Laboratory Number:	37447	Date Sampled:	06-16-06
Chain of Custody No:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-20-06
Preservative:	Cool	Date Analyzed:	06-24-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst Colemn

Mister Mulalter

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865





Client:	Envirotech	Project #:	
Sample ID:	N - 28	Date Reported:	06-24-06
Laboratory Number:	37 44 8	Date Sampled:	06-16-06
Chain of Custody No:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-20-06
Preservative:	Cool	Date Analyzed:	06-24-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Muster Mudalters
Review





Client:	Envirotech	Project #:	
Sample ID:	F - 36	Date Reported:	06-24-06
Laboratory Number:	37449	Date Sampled:	06-16-06
Chain of Custody No:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-20-06
Preservative:	Cool	Date Analyzed:	06-24-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Alexan C. Coleran

/ Misterse m Walters





Client:	Envirotech	Project #:	
Sample ID:	R - 9	Date Reported:	06-24-06
Laboratory Number:	37450	Date Sampled:	06-16-06
Chain of Custody No:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-20-06
Preservative:	Cool	Date Analyzed:	06-24-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Alexan C. Christian

Mestere me Walter





Client:	Envirotech	Project #:	
Sample ID:	M - 32	Date Reported:	06-24-06
Laboratory Number:	37451	Date Sampled:	06-16-06
Chain of Custody No:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-20-06
Preservative:	Cool	Date Analyzed:	06-24-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Commence

Mister m Walters

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865





Client:	Envirotech	Project #:	
Sample ID:	E - 11	Date Reported:	06-24-06
Laboratory Number:	37452	Date Sampled:	06-16-06
Chain of Custody No:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-20-06
Preservative:	Cool	Date Analyzed:	06-24-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Alexa P. Police

Review Mae Les





Client:	Envirotech	Project #:	
Sample ID:	A - 15	Date Reported:	06-24-06
Laboratory Number:	37453	Date Sampled:	06-16-06
Chain of Custody No:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-20-06
Preservative:	Cool	Date Analyzed:	06-24-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst P. Que

Musture m Waretes
Review





Client:	Envirotech	Project #:	
Sample ID:	E - 15	Date Reported:	06-24-06
Laboratory Number:	37454	Date Sampled:	06-16-06
Chain of Custody No:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Extracted:	06-20-06
Preservative:	Cool	Date Analyzed:	06-24-06
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)	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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Church

Christie Muchelles Review





Quality Assurance Report

Musteren Walter

Client:	QA/QC	Project #:	N/A
Sample ID:	06-24-06 QA/QC	Date Reported:	06-24-06
Laboratory Number:	37445	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-24-06
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF: %	6 Difference	Accept. Range
Gasoline Range C5 - C10	02-04-05	1.0014E+003	1.0024E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	1.0000E+003	1.0021E+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	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 37445 - 37454.

Leur P. africa





Client:	Envirotech	Project #:	
Sample ID:	G - 24	Date Reported:	06-24 - 06
Laboratory Number:	37445	Date Sampled:	06-16-06
Chain of Custody:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-24-06
Preservative:	Cool	Date Extracted:	06-20-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Devene	ND	4.0	
Benzene	ND 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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mister Milaeters
Review





Client:	Envirotech	Project #:	
Sample ID:	G - 29	Date Reported:	06-24-06
Laboratory Number:	37446	Date Sampled:	06-16-06
Chain of Custody:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-24-06
Preservative:	Cool	Date Extracted:	06-20-06
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Career

Christian Wasten Review





Client:	Envirotech	Project #:	
Sample ID:	B - 34	Date Reported:	06-24-06
Laboratory Number:	37447	Date Sampled:	06-16-06
Chain of Custody:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-24-06
Preservative:	Cool	Date Extracted:	06-20-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
i arameter	(ug/Ng/	(ug//ig/
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst P. Open

Musturn Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	N - 28	Date Reported:	06-24-06
Laboratory Number:	37448	Date Sampled:	06-16 - 06
Chain of Custody:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-24-06
Preservative:	Cool	Date Extracted:	06-20-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit	
Parameter	(ug/Kg)	(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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Open

(Nustin m Walter





Client:	Envirotech	Project #:	
Sample ID:	F - 36	Date Reported:	06-24-06
Laboratory Number:	37449	Date Sampled:	06-16-06
Chain of Custody:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-24-06
Preservative:	Cool	Date Extracted:	06-20-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
D	Concentration	Limit	
Parameter	(ug/Kg)	(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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.





Client:	Envirotech	Project #:	
Sample ID:	R - 9	Date Reported:	06-24-06
Laboratory Number:	37450	Date Sampled:	06-16-06
Chain of Custody:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-24-06
Preservative:	Cool	Date Extracted:	06-20-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit	
Parameter	(ug/Kg)	(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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Alece C. Que

Musteren Walter Review





Client:	Envirotech	Project #:	
Sample ID:	M - 32	Date Reported:	06-24-06
Laboratory Number:	37451	Date Sampled:	06-16-06
Chain of Custody:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-24-06
Preservative:	Cool	Date Extracted:	06-20-06
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Cycerum

(Muster m Warders Review





Client:	Envirotech	Project #:	
Sample ID:	E - 11	Date Reported:	06-24-06
Laboratory Number:	37452	Date Sampled:	06-16-06
Chain of Custody:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-24-06
Preservative:	Cool	Date Extracted:	06-20-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
Parameter	Concentration (ug/Kg)	Limit (ug/Kg)	
raiametei	(ug/Kg)	(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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mistur Milast

Review







Client:	Envirotech	Project #:	
Sample ID:	A - 15	Date Reported:	06-24-06
Laboratory Number:	37453	Date Sampled:	06-16-06
Chain of Custody:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-24-06
Preservative:	Cool	Date Extracted:	06-20-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
Parameter	Concentration (ug/Kg)	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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech	Project #:	
Sample ID:	E - 15	Date Reported:	06-24-06
Laboratory Number:	37454	Date Sampled:	06-16-06
Chain of Custody:	1080	Date Received:	06-16-06
Sample Matrix:	Soil	Date Analyzed:	06-24-06
Preservative:	Cool	Date Extracted:	06-20-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

2nd Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Chi

Mustere m Walters
Review





Client:	N/A	Project #: Date Reported:	N/A
Sample ID:	06-24-BTEX QA/QC		06-24-06
Laboratory Number: Sample Matrix:	37445	Date Sampled:	N/A
	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-24-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept. Rang	%Diff. ge 0 - 15%	Blank Conc	Detector Limit
Benzene	6.0204E+007	6.0325E+007	0.2%	ND	0.2
Toluene	6.9914E+007	7.0054E+007	0.2%	ND	0.2
Ethylbenzene	3.4097E+007	3.4165E+007	0.2%	ND	0.2
p,m-Xylene	1.3318E+008	1.3345E+008	0.2%	ND	0.2
o-Xylene	6.5512E+007	6.5643E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Du	plicate	%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 Amo	unt Spiked Spik	ked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	ND	50.0	50.0	100.0%	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 37445 - 37454.

Analyst

__*/Ullallal./* Review

CHAN OF CUSTODY RECORD

Client / Project Name	Proje	Project Location	-			ANALYSIS / PARAMETERS	RAMETERS		1.7
Sampler:	Olier	Client No.	CO CO				Remarks	rks	
Teff Miles		4/5		of Siners	/ X.		1 v puc		
Sample Sample Date	Sample L.	Lab Number	Sample Matrix	Cont	704 508 508		2006 Becken	eckera	3
G-24 6/16/26/18:20		37445	501		7		Samples 24"-36"	18-"46	ا پ
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F-36	11:30 2	37449		-	7				r
	245 B	37450			/				
m-32	12.00	37451		-	>				
6-11	12:15 3	37452		_	7			,	. ,
A-15		37453		_	7				
-\	3 04:11	37454	-1		7				(
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			(505)	(505) 632-0615	5		Cool - Ice/Blue Ice		
							san juan I	san juan reproduction 578-129	78-129



August 31, 2006

2006 AUG 32 PM 1 16

Brad Jones New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

RE: Rule 53 test samples

Dear Brad:

Envirotech Inc has taken four samples using proposed Rule 53 projected criteria. We sampled along the northern edge of cell #23 outside the permitted facility for background. A sixteen point sample was taken six inches below the surface and sixteen point sample was collected three foot below the surface. The composites were analyzed for the constituents listed in proposed Rule 53 that the Envirotech lab could run in house. Two additional 16 point composite surface samples were taken from remediation units within cell #23.

Cell #23 is an area that had a lift of contaminated soil previously remediated under the land farm permit. Envirotech has furnished these results to industry and is voluntarily sharing them with the OCD. The sample results and an index map are enclosed.

Yours truly

Denny Foust

CC: DGF File





1361

Client: Envirotech Project #: Sample ID: Background Date Reported: 08-26-06 Lab ID#: 38262 Date Sampled: 08-22-06 Soil Extract Sample Matrix: Date Received: 08-22-06 Preservative: Cool Date Analyzed: 08-25-06 Condition: Cool and Intact Date Extracted:: 08-24-06

Parameter Concentration (mg/Kg)

 Chloride
 58.0

 Floride
 <0.01</td>

 Nitrate
 42.5

 Sulfate
 0.7

 Cyanide
 <0.01</td>

Reference:

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

Chain of Custody:

Comments:

6-8" BGS 16 Pt. Composite

Mistere m Weller Analyst Review C. Chreen





Client:	Envirotech	Project #:	
Sample ID:	Background	Date Reported:	08-26-06
Lab ID#:	38263	Date Sampled:	08-22-06
Sample Matrix:	Soil Extract	Date Received:	08-22-06
Preservative:	Cool	Date Analyzed:	08-25-06
Condition:	Cool and Intact	Date Extracted::	08-24-06
		Chain of Custody:	1361

Parameter	Concentration (mg/Kg)	
Chloride	62.0	
Floride	0.21	
Nitrate	12.0	-
Sulfate	0.6	
Cyanide	<0.01	

Reference:

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

Comments:

3' BGS 16 Pt. Composite

Mixture of Walters Analyst Review



Client: Sample ID: Envirotech

Project #:

Date Reported:

Date Sampled:

North Composite

08-26-06

Lab ID#:

38264

08-22-06

Sample Matrix:

Soil Extract

Preservative:

Cool

Date Received:

08-22-06

Condition:

Date Analyzed: Date Extracted:: 08-25-06 08-24-06

Cool and Intact

Chain of Custody:

1361

Parameter

Concentration (mg/Kg)

Chloride

72.0

Floride

0.22

Nitrate

9.0

Sulfate

1.2

Cyanide

< 0.01

Reference:

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

Remediation Units

Comments:

Gells-A1, B1, C1, D1, A2, B2, C2, D2



Envirotech Project #: Client: Sample ID: South Composite Date Reported: 08-26-06 Lab ID#: 38265 Date Sampled: 08-22-06 Soil Extract Sample Matrix: Date Received: 08-22-06 Preservative: Cool Date Analyzed: 08-25-06 Condition: Cool and Intact Date Extracted:: 08-24-06 Chain of Custody: 1361

Parameter Concentration (mg/Kg)

Chloride 53.0

Floride 0.34

Nitrate 16.5

Sulfate 11.0

Cyanide 0.01

Reference:

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

Remediation Units

Comments: -Cells A3, B3, C3, D3, A4, B4, C4, D4, B5, C5, D5

Mustur m Walter Analyst Review Capus





Analysis Needed:

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Envirotech Project #: Sample ID: Background Date Reported: 08-26-06 Laboratory Number: 38262 Date Sampled: 08-22-06 Chain of Custody No: 1361 Date Received: 08-22-06 Soil Sample Matrix: Date Extracted: 08-24-06 Preservative: Cool 08-25-06 Date Analyzed:

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(ma/ka)	(ma/ka)

Total Petroleum Hydrocarbons

8.3

2.8

TPH-418.1

ND = Parameter not detected at the stated detection limit.

References:

Condition:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

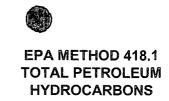
6-8" BGS

16 Pt. Composite

Analyst

Review





Envirotech	Project #:	
Background	Date Reported:	08-26-06
38263	Date Sampled:	08-22-06
1361	Date Received:	08-22-06
Soil	Date Extracted:	08-24-06
Cool	Date Analyzed:	08-25-06
Cool and Intact	Analysis Needed:	TPH-418.1
	Background 38263 1361 Soil Cool	Background Date Reported: 38263 Date Sampled: 1361 Date Received: Soil Date Extracted: Cool Date Analyzed:

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

9.0

~ **2.8** -

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

3' BGS

16 Pt. Composite

Analyst

Review





Analysis Needed:

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

TPH-418.1

Envirotech Project #: Client: Sample ID: North Composite Date Reported: 08-26-06 Laboratory Number: 38264 Date Sampled: 08-22-06 1361 Chain of Custody No: Date Received: 08-22-06 Soil Date Extracted: 08-24-06 Sample Matrix: Preservative: Cool Date Analyzed: 08-25-06

Cool and Intact

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

860

2.8 ÷

ND = Parameter not detected at the stated detection limit.

References:

Condition:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Remediation units

Comments:

Gells-A1, B1, C1, D1, A2, B2, C2, D2

Analyst P. Qui

Ahristury Walles
Review





EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Envirotech Project #: Sample ID: South Composite Date Reported: 08-26-06 Laboratory Number: 38265 Date Sampled: 08-22-06 Chain of Custody No: 1361 Date Received: 08-22-06 Sample Matrix: Soil Date Extracted: 08-24-06 Preservative: Cool Date Analyzed: 08-25-06 Condition: Cool and Intact Analysis Needed: TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

430

2.8 -

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Cells A3, B3, C3, D3, A4, B4, C4, D4, B5, C5, D5

oleen P. africa

Nustre mwales
Review





EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

Client:

QA/QC

Project #:

N/A

Sample ID:

QA/QC

Date Reported:

08-26-06

Laboratory Number:

08-25-TPH.QA/QC 38260

Date Sampled:

N/A

Sample Matrix:

Freon-113

Date Analyzed:

08-25-06

Preservative:

N/A

Date Extracted:

08-25-06

Condition:

N/A

Analysis Needed:

TPH

Calibration

I-Cal Date

C-Cal Date

I-Cal RF:

C-Cal RF:

% Difference 1.5%

Accept. Range

04-16-06 08-25-06 1,735

1,709

+/- 10%

Blank Conc. (mg/Kg)

Concentration

Detection Limit

ND

2.0

Duplicate Conc. (mg/Kg)

TPH

TPH

Sample 6.9

Duplicate 6.9

% Difference 0.0%

Accept. Range +/- 30%

Spike Conc. (mg/Kg)

TPH

Sample 6.9

2,000

Spike Added Spike Result 2,010

100.2%

% Recovery Accept Range 80 - 120%

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis os Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

QA/QC for samples 38260, 38262 - 38265, 38283 - 38285





Client:	Envirotech	Project #:	
Sample ID:	Background	Date Reported:	08-25-06
Laboratory Number:	38262	Date Sampled:	08-22-06
Chain of Custody:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Analyzed:	08-25-06
Preservative:	Cool	Date Digested:	08-24-06
Condition:	Cool & Intact	Analysis Needed:	Total Metals

		Det.	
	Concentration	Limit	
Parameter	(mg/Kg)	(mg/Kg)	
Arsenic	0.058	0.001	
Barium	5.11	0.001	
Cadmium	0.014	0.001	
Chromium	0.125	0.001	<u>.</u>
Copper	0.231	0.001	
Iron	54.2	0.001	
Lead	0.244	0.001	
Mercury	ND	0.001	
Manganese	9.61	0.001	
Selenium	ND	0.001	
Silver	0.002	0.001	
Zinc	0.606	0.001	

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

6-8" BGS

16 Pt. Composite

Analyst C. Quin

/ Mistise of Wallers
Review





Client:	Envirotech	Project #:	
Sample ID:	Background	Date Reported:	08-25-06
Laboratory Number:	38263	Date Sampled:	08-22-06
Chain of Custody:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Analyzed:	08-25-06
Preservative:	Cool	Date Digested:	08-24-06
Condition:	Cool & Intact	Analysis Needed:	Total Metals

		Det.	
	Concentration	Limit	
Parameter	(mg/Kg)	(mg/Kg)	
Arsenic	0.057	0.001	
Barium	2.94	0.001	•
Cadmium	0.009	0.001	
Chromium	0.079	0.001	<u></u>
Copper	0.134	0.001	
Iron	24.0	0.001	
Lead	0.147	0.001	
Mercury	ND	0.001	
Manganese	4.39	0.001	
Selenium	ND	0.001	
Silver	ND	0.001	
Zinc	0.522	0.001	

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

3' BGS 16 Pt. Composite





Client:	Envirotech	Project #:	
Sample ID:	North Composite	Date Reported:	08-25-06
Laboratory Number:	38264	Date Sampled:	08-22-06
Chain of Custody:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Analyzed:	08-25-06
Preservative:	Cool	Date Digested:	08-24-06
Condition:	Cool & Intact	Analysis Needed:	Total Metals

		Det.	
! 	Concentration	Limit	
Parameter	(mg/Kg)	(mg/Kg)	
Arsenic	0.089	0.001	
Barium	7.58	0.001	•
Cadmium	0.024	0.001	
Chromium	0.183	0.001	
Copper	0.460	0.001	
iron	150	0.001	
Lead	0.364	0.001	
Mercury	ND	0.001	
Manganese	14.4	0.001	
Selenium	ND	0.001	
Silver	ND	0.001	
Zinc	1.09	0.001	

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Remediation Units

Comments:

€5175 A1, B1, C1, D1, A2, B2, C2, D2

Analyst

Muster of Warten
Review





Client:	Envirotech	Project #:	
Sample ID:	South Composite	Date Reported:	08-25-06
Laboratory Number:	38265	Date Sampled:	08-22-06
Chain of Custody:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Analyzed:	08-25-06
Preservative:	Cool	Date Digested:	08-24-06
Condition:	Cool & Intact	Analysis Needed:	Total Metals

		Det.	
	Concentration	Limit	
Parameter	(mg/Kg)	(mg/Kg)	
Arsenic	0.059	0.001	
Barium	6.03	0.001	•
Cadmium	0.019	0.001	
Chromium	0.204	0.001	<u></u>
Copper	0.374	0.001	
Iron	105	0.001	
Lead	0.318	0.001	
Mercury	ND	0.001	
Manganese	12.8	0.001	
Selenium	ND	0.001	
Silver	ND	0.001	
Zinc	0.909	0.001	

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

Remadiation Units Colls A3, B3, C3, D3, A4, B4, C4, D4, B5, C5, D5





TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

QA/QC Client: Project #: N/A Sample ID: 08-25-TM QA/QC Date Reported: 08-25-06 Laboratory Number: 38260 Date Sampled: N/A Sample Matrix: Soil Date Received: N/A Analysis Requested: Trace Metals Date Analyzed: 08-25-06 Condition: N/A Date Digested: 08-24-06

Blank & Duplicate Conc. (mg/Kg)	Instrument 3lank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.072	0.073	1.4%	0% - 30%
Barium	ND	ND	0.001	8.69	8.66	0.3%	0% - 30%
Cadmium	ND	ND	0.001	0.021	0.020	4.8%	0% - 30%
Chromium	ND	ND	0.001	0.233	0.230	1.3%	0% - 30%
Copper	ND	ND	0.001	0.326	0.324	0.6%	0% - 30%
Iron	ND	ND	0.001	53.7	53.9	0.4%	0% - 30%
Lead	ND	ND	0.001	0.771	0.768	0.4%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Manganese	ND	ND	0.001	9.26	9.29	0.3%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Zinc	ND	ND	0.001	0.875	0.878	0.3%	0% - 30%

Spike	Spike	Sample	Spiked	Percent	Acceptance
Conc. (mg/Kg)	Added		Sample	Recovery	Range
Arsenic	0.500	0.072	0.571	99.8%	80% - 120%
Barium	0.500	8.69	9.18	99.9%	80% - 120%
Cadmium	0.500	0.021	0.520	99.8%	80% - 120%
Chromium	0.500	0.233	0.731	99.7%	80% - 120%
Copper	0.500	0.326	0.825	99.9%	80% - 120%
Iron	0.500	53.7	54.2	100.0%	80% - 120%
Lead	0.500	0.771	1.27	99.9%	80% - 120%
Mercury	0.500	ND	0.498	99.6%	80% - 120%
Manganese	0.500	9.26	9.75	99.9%	80% - 120%
Selenium	0.500	ND	0.499	99.8%	80% - 120%
Silver	0.500	0.001	0.500	99.8%	80% - 120%
Zinc	0.500	0.875	1.37	99.6%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 38260, 38262 - 38265, 38283 - 38285

Analyst C. Cepine Analyst Review Review

CHAIN OF CUSTODY RECORD

Client / Project Name			Project Location	2			₹ 	ANALYSIS / PARAMETERS	ARAMET	ERS			
Sampler: G. Cuabtrae			Client No.		o. of siners	-13.E	1e, Cyo	HA	FOL		Remarks		
	Sample Date	Sample Time	Lab Number	Sample Matrix	Cont	otsM 01) 04 (7	728 105		181h 510g 10g	.011			
Background	अवार्य)	900	38762	Soil	7	>	>	>	>	/ 6-8" B6S		(6+ Compos, 1 <	
BAckgrouns	6/rela	(300	28263	Soil	7	>	>	>	>	3' 345		16 pt. Contract C	
North Composite	Bizzlos	(330	38264	So; l	7	>	>	>	>	Hart AI,	2 C E	20 05	T
South Composite	७वा च्या	14.5	382165	1.05	7	>	>	>	>	A3,8	33.5	753	
										/ Re	Remedi	iction	
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				(502) 6	(505) 632-0615				Coo	Cool - Ice/Blue Ice	7	<u> </u>	





Client:	Envirotech	Project #:	
Sample ID:	Background	Date Reported:	08-25-06
Laboratory Number:	38262	Date Sampled:	08-22-06
Chain of Custody No:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Extracted:	08-24-06
Preservative:	Cool	Date Analyzed:	08-25-06
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)	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:

6-8" BGS

16 Pt Composite

Analyst P. Oferen

(Nustre m Walters





Client:	Envirotech	Project #:	
Sample ID:	Background	Date Reported:	08-25-06
Laboratory Number:	38263	Date Sampled:	08-22-06
Chain of Custody No:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Extracted:	08-24-06
Preservative:	Cool	Date Analyzed:	08-25-06
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)	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:

3' BGS

16 Pt Composite

Alexa C. aferra

(Mustire on Walter





Client:	Envirotech	Project #:	
Sample ID:	North Composite	Date Reported:	08-25-06
Laboratory Number:	38264	Date Sampled:	08-22-06
Chain of Custody No:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Extracted:	08-24-06
Preservative:	Cool	Date Analyzed:	08-25-06
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)	1.7	0.1
Total Petroleum Hydrocarbons	1.7	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:

Remediation Units Gells A1, B1, C1, D1, A2, B2, C2, D2

Alexa C. Officer

(huster my Walters Review





Client:	Envirotech	Project #:	
Sample ID:	South Composite	Date Reported:	08-25-06
Laboratory Number:	38265	Date Sampled:	08-22-06
Chain of Custody No:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Extracted:	08-24-06
Preservative:	Cool	Date Analyzed:	08-25-06
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)	0.4	0.1
Total Petroleum Hydrocarbons	0.4	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:

Remediation Units Gello A3, B3, C3, D3, A4, B4, C4, D4, B5, C5, D5





Quality Assurance Report

Client:	QA/QC		Project #:		N/A	
Sample ID:	08-25-06 QA	/QC	Date Reported:		08-25-06	
Laboratory Number:	38260		Date Sampled:		N/A	
Sample Matrix:	Methylene Chl	oride	Date Received:		N/A	
Preservative:	N/A		Date Analyzed:		08-25-06	
Condition:	N/A		Analysis Reques	sted:	TPH	
	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. R	ange
Gasoline Range C5 - C10	07-11-05	9.9825E+002	9.9925E+002	0.10%	0 - 15	%
Diesel Range C10 - C28	07-11-05	9.9637E+002	9.9836E+002	0.20%	0 - 159	% .
Blank Conc. (mg/L - mg/Kg)	Concentration		Detection Limi	t.	
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 D	uplicate %	Difference Ad	cept. 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 38260, 38262 - 38265, 38283 - 38285

Analyst

/ Mistur M W alles Review





Client:	Envirotech	Project #:	
Sample ID:	Background	Date Reported:	08-27-06
Laboratory Number:	38262	Date Sampled:	08-22-06
Chain of Custody:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Extracted:	08-26-06
Preservative:	Cool	Date Analyzed:	08-27-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400 -
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

6-8" BGS 16 Pt. Composite

Analyst

Review





EPA METHOD 8041 PHENOLS

Client:	Envirotech	Project #:	
Sample ID:	Background	Date Reported:	08-27-06
Laboratory Number:	38263	Date Sampled:	08-22-06
Chain of Custody:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Extracted:	08-26-06
Preservative:	Cool	Date Analyzed:	08-27-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0_
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	98%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

3' BGS 16 Pt. Composite

Analyst





EPA METHOD 8041 PHENOLS

Client:	Envirotech	Project #:	
Sample ID:	North Composite	Date Reported:	08-27-06
Laboratory Number:	38264	Date Sampled:	08-22 - 06
Chain of Custody:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Extracted:	08-26-06
Preservative:	Cool	Date Analyzed:	08-27-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0-
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	99%
	2,4,6-Tribromophenol	99%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

Remediation Units Cells A1, B1, C1, D1, A2, B2, C2, D2

Analyst





EPA METHOD 8041 PHENOLS

Client:	Envirotech	Project #:	•
Sample ID:	South Composite	Date Reported:	08-27-06
Laboratory Number:	38265	Date Sampled:	08-22-06
Chain of Custody:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Extracted:	08-26-06
Preservative:	Cool	Date Analyzed:	08-27-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0-
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

Remedia from Units Gello A3, B3, C3, D3, A4, B4, C4, D4, B5, C5, D5





EPA METHOD 8041 PHENOLS Quality Assurance Report

Client:

QA/QC

Sample ID:

08-27-Phenols QA/QC

Laboratory Number:

38260

Sample Matrix: Preservative:

2-Propanol

Condition:

N/A N/A Project #:

N/A

Date Reported:

08-27-06

Date Sampled:

N/A

Date Received:

N/A

Date Analyzed:

N/A 08-27-06

Analysis Requested:

TCLP

Instrument	Method	Detection	Sample	Duplicate	Percent
Blank	Blank	Limit			Diff.
ND	ND	0.020	ND	ND	0.00%
ND	ND	0.040	ND	ND	0.00%
ND	ND	0.020	ND	ND	0.00%
ND	ND	0.020	ND	ND	0.00%
ND	ND	0.020	ND	ND	0.00%
	ND ND ND ND ND	ND	Blank Blank Limit ND ND 0.020 ND ND 0.040 ND ND 0.020 ND ND 0.020	Blank Blank Limit ND ND 0.020 ND ND ND 0.040 ND ND ND 0.020 ND ND ND 0.020 ND	Blank Blank Limit ND ND 0.020 ND ND ND ND 0.040 ND ND ND ND 0.020 ND ND ND ND 0.020 ND ND

ND - Parameter not detected at the stated detection limit.

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for

Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for

Evaluating Solid Waste, SW-846, USEPA, July 1992.

Method 8041, Phenols, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, Sept. 1986.

Comments:

QA/QC for samples 38260, 38262 - 38265, 38283 - 38285

Analyet

Review





Client:	Envirotech	Project #:	
Sample ID:	Background	Date Reported:	08-27-06
Laboratory Number:	38262	Date Sampled:	08-22-06
Chain of Custody:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Extracted:	08-26-06
Preservative:	Cool	Date Analyzed:	08-27-06
Condition:	Cool & Intact	Analysis Requested:	TCLP

Parameter	Concentration (mg/Kg)	Detection Limit (mg/Kg)	Regulatory Limit (mg/Kg)
o-Cresol	ND	0.020	200
p,m-Cresol	ND	0.040	200
2,4,6-Trichlorophenol	ND	0.020	2.0
2,4,5-Trichlorophenol	ND	0.020	400
Pentachlorophenol	ND	0.020	100

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	2-Fluorophenol	98%
	2,4,6-Tribromophenol	99%

References:

Method 1311, Toxicity Characteristic Leaching Procedure Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 3510, Separatory Funnel Liquid-Liquid Extraction, Test Methods for Evaluating Solid

Waste, SW-846, USEPA, July 1992.

Method 8040, Phenols, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, July 1, 1992.

Comments:

6-8" BGS 16 Pt. Composite

Analyst P. Ofrican

Review





Client: Envirotech Project #: Sample ID: Background Date Reported: 08-26-06 Chain of Custody: 1361 Date Sampled: 08-22-06 Date Received: Laboratory Number: 38262 08-22-06 Sample Matrix: Soil Date Analyzed: 08-25-06 Cool Date Extracted: 08-24-06 Preservative: 8260 VOC Cool and Intact Analysis Requested: Condition:

			Det.	Dilution
Parameter	Concentration	Units	Limit	Factor
Benzene	ND	(ug/Kg)	1.0	1
Toluene	ND	(ug/Kg)	1.0	1
Ethylbenzene	ND	(ug/Kg)	1.0	1
Xylenes, Total	ND	(ug/Kg)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1
Naphthalene	ND '	(ug/Kg)	1.0	1
1-Methylnaphthalene	ND	(ug/Kg)	2.0	1
2-Methylnaphthalene	ND	(ug/Kg)	2.0	1
Bromobenzene	ND	(ug/Kg)	1.0	1
Bromochloromethane	ND	(ug/Kg)	1.0	1
Bromodichloromethane	ND	(ug/Kg)	1.0	1
Bromoform	ND	(ug/Kg)	1.0	1
Bromomethane	ND	(ug/Kg)	1.0	1
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1
Chlorobenzene	ND	(ug/Kg)	1.0	1
Chloroethane	ND	(ug/Kg)	2.0	1
Chloroform	ND	(ug/Kg)	1.0	1
Chloromethane	ND	(ug/Kg)	1.0	1
2-Chlorotoluene	ND	(ug/Kg)	1.0	1
4-Chlorotoluene	ND	(ug/Kg)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1
Dibromochloromethane	ND	(ug/Kg)	1.0	1
Dibromoethane	ND	(ug/Kg)	2.0	. 1
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1



Client:

Envirotech

Sample ID:

Background

Laboratory Number:

38262

page 2

	Concentration		Det.	Dilution
Parameter	(ug/Kg)	Units	Limit	Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1
Isopropylbenzene	ND	(ug/Kg)	1.0	1
4-Isopropyltoluene	ND	(ug/Kg)	1.0	1
Methylene Chloride	ND	(ug/Kg)	3.0	1
n-Butylbenzene	ND	(ug/Kg)	1.0	1
n-Propylbenzene	ND	(ug/Kg)	1.0	1
sec-Butylbenzene	ND	(ug/Kg)	1.0	1
Styrene	ND	(ug/Kg)	1.0	1
tert-Butylbenzene	ND	(ug/Kg)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	- 1 -
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1
Vinyl Chloride	ND	(ug/Kg)	2.0	1
Surrogates:			Rec. Limits	
Dibromofluoromethane	97.7	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	98.5	% Recovery	74.6-123	1

Surrogates:	Rec. Limits				
Dibromofluoromethane	97.7	% Recovery	78.6-115	1	
1,2-Dichloroethane-d4	98.5	% Recovery	74.6-123	1	
Toluene-d8	98.7	% Recovery	84.2-115	1	
4-Bromofluorobenzene	99.5	% Recovery	78.6-115	1	

ND = Parameter not detected at the stated detection limit.

References:

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, July 1992.

Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass

Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments:

6-8" BGS

16 Pt. Composite

Analyst

Review



Client: Envirotech Project #: Date Reported: 08-26-06 Background Sample ID: 1361 Date Sampled: 08-22-06 Chain of Custody: Date Received: 08-22-06 38263 Laboratory Number: Sample Matrix: Soil Date Analyzed: 08-25-06 08-24-06 Preservative: Cool Date Extracted: Condition: Cool and Intact Analysis Requested: 8260 VOC

		•	Det.	Dilution
Parameter	Concentration	Units	Limit	Factor
Benzene	ND	(ug/Kg)	1.0	1
Toluene	ND	(ug/Kg)	1.0	1
Ethylbenzene	ND	(ug/Kg)	1.0	1
Xylenes, Total	ND	(ug/Kg)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1 _
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1
Naphthalene	ND	(ug/Kg)	1.0	1
1-Methylnaphthalene	ND	(ug/Kg)	2.0	1
2-Methylnaphthalene	ND	(ug/Kg)	2.0	1
Bromobenzene	ND	(ug/Kg)	1.0	1
Bromochloromethane	ND	(ug/Kg)	1.0	1
Bromodichloromethane	ND	(ug/Kg)	1.0	1
Bromoform	ND	(ug/Kg)	1.0	1
Bromomethane	ND	(ug/Kg)	1.0	1
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1
Chlorobenzene	ND	(ug/Kg)	1.0	1
Chloroethane	ND	(ug/Kg)	2.0	1
Chloroform	ND	(ug/Kg)	1.0	1
Chloromethane	ND	(ug/Kg)	1.0	1
2-Chlorotoluene	ND	(ug/Kg)	1.0	1
4-Chlorotoluene	ND	(ug/Kg)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1
Dibromochloromethane	ND	(ug/Kg)	1.0	1
Dibromoethane	ND	(ug/Kg)	2.0	1
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1
1,2-Dichloropropane	ND	(ug/Kg)	្ញ1.0	1
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1



Client:

Envirotech

Sample ID:

Background

Laboratory Number:

38263

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	Concentration		Det.	Dilution
Parameter	(ug/Kg)	Units	Limit	Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1
Isopropylbenzene	ND	(ug/Kg)	1.0	1
4-lsopropyltoluene	ND	(ug/Kg)	1.0	1
Methylene Chloride	ND	(ug/Kg)	3.0	1
n-Butylbenzene	ND	(ug/Kg)	1.0	1
n-Propylbenzene	ND	(ug/Kg)	1.0	1,
sec-Butylbenzene	ND	(ug/Kg)	1.0	1
Styrene	ND	(ug/Kg)	1.0	1
tert-Butylbenzene	ND	(ug/Kg)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	- 1 <u>-</u>
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1
Vinyl Chloride	ND	(ug/Kg)	2.0	1
Surrogates:		Rec. Limits		
Dibromofluoromethane	99.5	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	99.1	% Recovery	74.6-123	1
				

ND = Parameter not detected at the stated detection limit.

References:

Toluene-d8

4-Bromofluorobenzene

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, July 1992.

Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass

Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

98.7

98.5

Comments:

3' BGS 16 Pt. Composite

Analyst C. Communication

Muster m Waeter

84.2-115

78.6-115

% Recovery

% Recovery



Client: Envirotech Project #:

Sample ID: North Composite Date Reported: 08-26-06

Chain of Custody: 1361 Date Sampled: 08-22-06

Laboratory Number: 38264 Date Received: 08-22-06

Sample Matrix:SoilDate Analyzed:08-25-06Preservative:CoolDate Extracted:08-24-06Condition:Cool and IntactAnalysis Requested:8260 VOC

			Det.	Dilution
Parameter	Concentration	Units	Limit	Factor
Benzene	ND	(ug/Kg)	1.0	1
Toluene	ND	(ug/Kg)	1.0	1
Ethylbenzene	ND	(ug/Kg)	1.0	1
Xylenes, Total	ND	(ug/Kg)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	_ 1 _
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1
Naphthalene	ND	(ug/Kg)	1.0	1
1-Methylnaphthalene	ND	(ug/Kg)	2.0	1
2-Methylnaphthalene	ND	(ug/Kg)	2.0	1
Bromobenzene	ND	(ug/Kg)	1.0	1
Bromochloromethane	ND	(ug/Kg)	1.0	1
Bromodichloromethane	ND	(ug/Kg)	1.0	1
Bromoform	ND	(ug/Kg)	1.0	1
Bromomethane	ND	(ug/Kg)	1.0	1
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1
Chlorobenzene	ND	(ug/Kg)	1.0	1
Chloroethane	ND	(ug/Kg)	2.0	1
Chloroform	ND	(ug/Kg)	1.0	1
Chloromethane	ND	(ug/Kg)	1.0	1
2-Chlorotoluene	ND	(ug/Kg)	1.0	1
4-Chlorotoluene	ND	(ug/Kg)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1
Dibromochloromethane	ND	(ug/Kg)	1.0	1
Dibromoethane	ND	(ug/Kg)	2.0	1
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1



Client:

Envirotech

Sample ID:

North Composite

Laboratory Number:

38264

page 2

	Concentration		Det.	Dilution
Parameter	(ug/Kg)	Units	Limit	Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1
Isopropylbenzene	ND	(ug/Kg)	1.0	1
4-lsopropyltoluene	ND	(ug/Kg)	1.0	1
Methylene Chloride	ND	(ug/Kg)	3.0	1
n-Butylbenzene	ND	(ug/Kg)	1.0	1
n-Propylbenzene	ND	(ug/Kg)	1.0	1
sec-Butylbenzene	ND	(ug/Kg)	1.0	1
Styrene	ND	(ug/Kg)	1.0	1
tert-Butylbenzene	ND	(ug/Kg)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1 <u>-</u>
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1
Vinyl Chloride	ND	(ug/Kg)	2.0	1
Surrogates:	7-88-10-12-20-20-11-11-11-11-11-11-11-11-11-11-11-11-11		Rec. Limits	
Dibromofluoromethane	98.5	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	96.3	% Recovery	74.6-123	1

Surrogates:			Rec. Limits	
Dibromofluoromethane	98.5	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	96.3	% Recovery	74.6-123	1
Toluene-d8	98.4	% Recovery	84.2-115	1
4-Bromofluorobenzene	93.1	% Recovery	78.6-115	1

ND = Parameter not detected at the stated detection limit.

References:

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, July 1992.

Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass

Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Remediation Units

Comments:

Cells A1, B1, C1, D1, A2, B2, C2, D2



Project #: Client: Envirotech South Composite Date Reported: 08-26-06 Sample ID: Chain of Custody: 1361 Date Sampled: 08-22-06 38265 Date Received: 08-22-06 Laboratory Number: Soil Date Analyzed: 08-25-06 Sample Matrix: Preservative: Cool Date Extracted: 08-24-06 Condition: Cool and Intact Analysis Requested: 8260 VOC

	•		Det.	Dilution
Parameter	Concentration	Units	Limit	Factor
Benzene	· ND	(ug/Kg)	1.0	1
Toluene	ND	(ug/Kg)	1.0	1
Ethylbenzene	ND	(ug/Kg)	1.0	1
Xylenes, Total	ND	(ug/Kg)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/Kg)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/Kg)	1.0	1 .
1,3,5-Trimethylbenzene	ND	(ug/Kg)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/Kg)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/Kg)	1.0	1
Naphthalene	ND	(ug/Kg)	1.0	1
1-Methylnaphthalene	ND	(ug/Kg)	2.0	1
2-Methylnaphthalene	ND	(ug/Kg)	2.0	1
Bromobenzene	ND	(ug/Kg)	1.0	1
Bromochloromethane	ND	(ug/Kg)	1.0	1
Bromodichloromethane	ND	(ug/Kg)	1.0	1
Bromoform	ND	(ug/Kg)	1.0	1
Bromomethane	ND	(ug/Kg)	1.0	1
Carbon Tetrachloride	ND	(ug/Kg)	1.0	1
Chlorobenzene	ND	(ug/Kg)	1.0	1
Chloroethane	ND	(ug/Kg)	2.0	1
Chloroform	ND	(ug/Kg)	1.0	1
Chloromethane	ND	(ug/Kg)	1.0	1
2-Chlorotoluene	ND	(ug/Kg)	1.0	1
4-Chlorotoluene	ND	(ug/Kg)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/Kg)	2.0	1
Dibromochloromethane	ND	(ug/Kg)	1.0	1
Dibromoethane	ND	(ug/Kg)	2.0	1
1,2-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,3-Dichlorobenzene	ND	(ug/Kg)	1.0	1
1,4-Dichlorobenzene	ND	(ug/Kg)	1.0	1
Dichlorodifluoromethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethane	ND	(ug/Kg)	1.0	1
1,1-Dichloroethene	ND	(ug/Kg)	1.0	1
1,2-Dichloropropane	ND	(ug/Kg)	1.0	1
1,3-Dichloropropane	ND	(ug/Kg)	1.0	1
2,2-Dichloropropane	ND	(ug/Kg)	1.0	1



Client:

Envirotech

Sample ID:

South Composite

Laboratory Number:

38265

page 2

	Concentration		Det.	Dilution
Parameter	(ug/Kg)	Units	Limit	Factor
1,1-Dichloropropene	ND	(ug/Kg)	1.0	1
Hexachlorobutadiene	ND	(ug/Kg)	1.0	1
Isopropylbenzene	ND	(ug/Kg)	1.0	1
4-Isopropyltoluene	ND	(ug/Kg)	1.0	1
Methylene Chloride	ND	(ug/Kg)	3.0	1
n-Butylbenzene	ND	(ug/Kg)	1.0	1
n-Propylbenzene	ND	(ug/Kg)	1.0	1
sec-Butylbenzene	ND	(ug/Kg)	1.0	1
Styrene	ND	(ug/Kg)	1.0	1
tert-Butylbenzene	ND	(ug/Kg)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/Kg)	1.0	1 .
1,1,1,2-Tetrachloroethane	ND	(ug/Kg)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/Kg)	1.0	- 1 -
trans-1,2-Dichloroethene	ND	(ug/Kg)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/Kg)	1.0	1
Trichloroethene (TCE)	ND	(ug/Kg)	1.0	1
Trichlorofluoromethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/Kg)	1.0	1
1,1,1-Trichloroethane	ND	(ug/Kg)	1.0	1
1,1,2-Trichloroethane	ND	(ug/Kg)	1.0	1
1,2,3-Trichloropropane	ND	(ug/Kg)	2.0	1
Vinyl Chloride	ND	(ug/Kg)	2.0	1
Surrogates:			Rec. Limits	erfords for Affilia yearness and manager an emperous was an increase or one
Dibromofluoromethane	98.4	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	98.9	% Recovery	74.6-123	1

ND = Parameter not detected at the stated detection limit.

References:

Toluene-d8

4-Bromofluorobenzene

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, July 1992.

Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass

Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

99.4

99.9

% Recovery

% Recovery

Remediation Units

Comments:

Cells A3, B3, C3, D3, A4, B4, C4, D4, B5, C5, D5

Mee C. Oferen

/ Mister of Walter

84.2-115

78.6-115



QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION





Client:

QA/QC

Sample ID:

Laboratory Blank

Laboratory Number: Sample Matrix:

08-25 VOA

Preservative:

Water

Condition:

N/A N/A Project #:

N/A

Date Reported:

Date Sampled: Date Received: N/A N/A

Date Analyzed:

08-25-06

08-26-06

Analysis Requested:

8260 VOC

	Concentration		Det.	Dilution
Parameter	(ug/L)	Units	Limit	Factor
Benzene	ND	(ug/L)	1.0	1
Toluene	ND	(ug/L)	1.0	1
Ethylbenzene	ND	(ug/L)	1.0	1
Xylenes, Total	ND	(ug/L)	1.0	1
Methyl tert-butyl ether (MTBE)	ND	(ug/L)	1.0	1
1,2,4-Trimethylbenzene	ND	(ug/L)	1.0	1
1,3,5-Trimethylbenzene	ND	(ug/L)	1.0	1
1,2-Dichloroethane (EDC)	ND	(ug/L)	1.0	1
1,2-Dibromoethane (EDB)	ND	(ug/L)	1.0	1
Naphthalene	ND	(ug/L)	1.0	1
1-Methylnaphthalene	ND	(ug/L)	2.0	1
2-Methylnaphthalene	ND	(ug/L)	2.0	1
Bromobenzene	ND	(ug/L)	1.0	1
Bromochloromethane	ND	(ug/L)	1.0	1
Bromodichloromethane	ND	(ug/L)	1.0	1
Bromoform	ND	(ug/L)	1.0	1
Bromomethane	ND	(ug/L)	1.0	1
Carbon Tetrachloride	ND	(ug/L)	1.0	1
Chlorobenzene	ND	(ug/L)	1.0	1
Chloroethane	ND	(ug/L)	2.0	1
Chloroform	ND	(ug/L)	1.0	1
Chloromethane	ND	(ug/L)	1.0	1
2-Chlorotoluene	ND	(ug/L)	1.0	1
4-Chlorotoluene	ND	(ug/L)	1.0	1
cis-1,2-Dichloroethene	ND	(ug/L)	1.0	1
cis-1,3-Dichloropropene	ND	(ug/L)	1.0	1
1,2-Dibromo-3-chloropropane	ND	(ug/L)	2.0	1
Dibromochloromethane	ND	(ug/L)	1.0	1
Dibromoethane	ND	(ug/L)	2.0	1
1,2-Dichlorobenzene	ND	(ug/L)	1.0	1
1,3-Dichlorobenzene	ND	(ug/L)	1.0	1
1,4-Dichlorobenzene	ND	(ug/L)	1.0	1
Dichlorodifluoromethane	ND	(ug/L)	1.0	1
1,1-Dichloroethane	ND	(ug/L)	1.0	1
1,1-Dichloroethene	ND	(ug/L)	1.0	1
1,2-Dichloropropane	ND	(ug/L)	1.0	1
1,3-Dichloropropane	ND	(ug/L)	1.0	1
2,2-Dichloropropane	ND	(ug/L)	1.0	1



Client:

QA/QC

Sample ID:

Laboratory Blank

Laboratory Number:

08-25 VOA

page 2

	Concentration	n	Det.	Dilution
Parameter	(ug/L)	Units	Limit	Factor
1,1-Dichloropropene	ND	(ug/L)	1.0	1
Hexachlorobutadiene	ND	(ug/L)	1.0	1
Isopropylbenzene	ND	(ug/L)	1.0	1
4-Isopropyltoluene	ND	(ug/L)	1.0	1
Methylene Chloride	ND	(ug/L)	1.0	1
n-Butylbenzene	ND	(ug/L)	1.0	1
n-Propylbenzene	ND	(ug/L)	1.0	1
sec-Butylbenzene	ND	(ug/L)	1.0	1
Styrene	ND	(ug/L)	1.0	1
tert-Butylbenzene	ND	(ug/L)	1.0	1
Tetrachloroethene (PCE)	ND	(ug/L)	1.0	1
1,1,1,2-Tetrachloroethane	ND	(ug/L)	1.0	1
1,1,2,2-Tetrachloroethane	ND	(ug/L)	1.0	1 ÷
trans-1,2-Dichloroethene	ND	(ug/L)	1.0	1
trans-1,3-Dichloropropene	ND	(ug/L)	1.0	1
Trichloroethene (TCE)	ND	(ug/L)	1.0	1
Trichlorofluoromethane	ND	(ug/L)	1.0	1
1,2,3-Trichlorobenzene	ND	(ug/L)	1.0	1
1,2,4-Trichlorobenzene	ND	(ug/L)	1.0	1
1,1,1-Trichloroethane	ND	(ug/L)	1.0	1
1,1,2-Trichloroethane	ND	(ug/L)	1.0	1
1,2,3-Trichloropropane	ND	(ug/L)	2.0	1
Vinyl Chloride	ND	(ug/L)	2.0	1
Surrogates:			Rec. Limits	
Dibromofluoromethane	99.9	% Recovery	78.6-115	1
1,2-Dichloroethane-d4	99.5	% Recovery	74.6-123	1
Toluene-d8	99.1	% Recovery	84.2-115	1

ND = Parameter not detected at the stated detection limit.

References:

4-Bromofluorobenzene

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, July 1992.

Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass

Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

99.2

Comments:

QA/QC for samples 38260, 38262 - 38265, 38283 - 38285

% Recovery

78.6-115





Client:

QA/QC

Sample ID:

Matrix Spikes

Laboratory Number:

08-25-VOA - 38260

Sample Matrix:

Soil

Preservative:

N/A N/A

Condition:

Project #:

N/A

Date Reported:

08-26-06

Date Sampled:

N/A

Date Received:

N/A

Date Analyzed:

08-25-06

Analysis Requested:

8260 VOC

Spike	Units: ug/Kg				Recovery	Det.
Analyte	Sample	Added	Result	%Recovery	Limits	Limit
Benzene	34.9	100.0	134	99.7%	85.3 - 120	1.0
Toluene	40.8	100.0	140	99.8%	73 - 123	1.0
Chlorobenzene	ND	100.0	99.9	99.9%	84.7 - 119	1.0
1,1-Dichloroethene	ND	100.0	99.8	99.8%	83.4 - 122	1.0
Trichloroethene (TCE)	ND	100.0	99.9	99.9%	76.1 - 126	1.0

Spike Duplicate		Jnits: ug/K	g		Recovery	Det.
Analyte	Sample	Added	Result	%Recovery	Limits	Limit
Benzene	34.9	100.0	134	99.7%	85.3 - 120	1.0
Toluene	40.8	100.0	140	99.8%	73 - 123	1.0
Chlorobenzene	ND	100.0	99.9	99.9%	84.7 - 119	1.0
1,1-Dichloroethene	ND	100.0	99.9	99.9%	83.4 - 122	1.0
Trichloroethene (TCE)	ND	100.0	99.9	99.9%	76.1 - 126	1.0

ND = Parameter not detected at the stated detection limit.

References:

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, July 1992.

Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass

Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

Comments:

QA/QC for samples 38260, 38262 - 38265, 38283 - 38285





EPA Method 8260B Volatile Organic Compounds by GC/MS **Daily Calibration Report**

Client:

QA/QC

Sample ID:

Daily Calibration

Laboratory Number:

08-25 QA/QC

Sample Matrix: Preservative:

Water

N/A

Condition: N/A Project #:

N/A

08-26-06

Date Reported: Date Sampled:

N/A

Date Received:

N/A

Date Analyzed:

08-25-06

Analysis Requested:

8260 VOC

	Concentration			% Recovery
Parameter	(ug/L)	Result	% Recovered	Limits
Benzene	100	99.9	99.9	80 - 120
Toluene	100	99.9	99.9	80 - 120
Ethylbenzene	100	100.0	100.0	80 - 120
Xylenes, Total	100	100.0	100.0	80 - 1 <u>2</u> 0
Methyl tert-butyl ether (MTBE)	100	99.8	99.8	80 - 120
1,2,4-Trimethylbenzene	100	99.9	99.9	- 80 - 120
1,3,5-Trimethylbenzene	100	99.9	99.9	80 - 120
1,2-Dichloroethane (EDC)	100	99.9	99.9	80 - 120
1,2-Dibromoethane (EDB)	100	99.9	99.9	80 - 120
Naphthalene	100	99.9	99.9	80 - 120
1-Methylnaphthalene	100	99.8	99.8	80 - 120
2-Methylnaphthalene	100	99.9	99.9	80 - 120
Bromobenzene	100	99.8	99.8	80 - 120
Bromochloromethane	100	99.8	99.8	80 - 120
Bromodichloromethane	100	99.8	99.8	80 - 120
Bromoform	100	99.8	99.8	80 - 120
Bromomethane	100	99.8	99.8	80 - 120
Carbon Tetrachloride	100	99.9	99.9	80 - 120
Chlorobenzene	100	99.8	99.8	80 - 120
Chloroethane	100	99.9	99.9	80 - 120
Chloroform	100	99.8	99.8	80 - 120
Chloromethane	100	99.7	99.7	80 - 120
2-Chlorotoluene	100	99.6	99.6	80 - 120
4-Chlorotoluene	100	99.8	99.8	80 - 120
cis-1,2-Dichloroethene	100	99.7	99.7	80 - 120
cis-1,3-Dichloropropene	100	99.2	99.2	80 - 120
1,2-Dibromo-3-chloropropane	100	99.8	99.8	80 - 120
Dibromochloromethane	100	99.5	99.5	80 - 120
Dibromoethane	100	99.8	99.8	80 - 120
1,2-Dichlorobenzene	100	99.9	99.9	80 - 120
1,3-Dichlorobenzene	100	99.6	99.6	80 - 120
1,4-Dichlorobenzene	100	99.8	99.8	80 - 120
Dichlorodifluoromethane	100	99.8	99.8	80 - 120
1,1-Dichloroethane	100	99.6	99.6	80 - 120
1,1-Dichloroethene	100	99.8	99.8	80 - 120
1,2-Dichloropropane	100	99.6	99.6	80 - 120
1,3-Dichloropropane	100	99.6	99.6	80 - 120
2,2-Dichloropropane	100	99.3	99.3	80 - 120



Client:

QA/QC

Sample ID:

Daily Calibration

Laboratory Number:

08-25 QA/QC

page 2

	Concentration	n		% Recovery
Parameter	(ug/L)	Result	% Recovered	Limits
1,1-Dichloropropene	100	99.4	99.4	80 - 120
Hexachlorobutadiene	100	99.6	99.6	80 - 120
Isopropylbenzene	100	99.9	99.9	80 - 120
4-Isopropyltoluene	100	99.4	99.4	80 - 120
Methylene Chloride	100	99.5	99.5	80 - 120
n-Butylbenzene	100	99.3	99.3	80 - 120
n-Propylbenzene	100	99.9	99.9	80 - 120
sec-Butylbenzene	100	99.4	99.4	80 - 120
Styrene	100	98.9	98.9	80 - 120
tert-Butylbenzene	100	99.8	99.8	80 - 120
Tetrachloroethene (PCE)	100	99.6	99.6	80 - 120
1,1,1,2-Tetrachloroethane	100	99.8	99.8	80 - 120
1,1,2,2-Tetrachloroethane	100	98.9	98.9	80 - 120
trans-1,2-Dichloroethene	100	99.9	99.9	80 - 120
trans-1,3-Dichloropropene	100	99.8	99.8	80 - 120
Trìchloroethene (TCE)	100	99.8	99.8	80 - 120
Trichlorofluoromethane	100	99.9	99.9	80 - 120
1,2,3-Trichlorobenzene	100	99.6	99.6	80 - 120
1,2,4-Trichlorobenzene	100	99.5	99.5	80 - 120
1,1,1-Trichloroethane	100	99.5	99.5	80 - 120
1,1,2-Trichloroethane	100	99.7	99.7	80 - 120
1,2,3-Trichloropropane	100	99.6	99.6	80 - 120
Vinyl Chloride	100	99.8	99.8	80 - 120
Surrogates:	4 A MANUAL MANUA	A CONTRACTOR OF	Rec. Limits	
Dibromofluoromethane	99.3	% Recovery	78.6-115	
1,2-Dichloroethane-d4	99.1	% Recovery	74.6-123	
T. 1	20.5	A		

ND = Parameter not detected at the stated detection limit.

References:

Toluene-d8

4-Bromofluorobenzene

Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, July 1992.

Method 8260, Volatile Organic Compounds by Gas Chromatography / Mass

Spectrometry, Test Methods for Evaluating Solid Waste, SW-846, USEPA, July 1992

99.9

99.6

% Recovery

% Recovery

Comments:

QA/QC for samples 38260, 38262 - 38265, 38283 - 38285

Analyst Cyrone

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84.2-115

78.6-115





EPA Method 8100 Polynuclear Aromatic Hydrocarbons

Client:	Envirotech	Project #:	
Sample ID:	Background	Date Reported:	08-26-06
Laboratory Number:	38262	Date Sampled:	08-22-06
Chain of custody:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Analyzed:	08-25-06
Preservative:	Cool	Date Concentrated:	08-24-06
Condition:	Cool & Intact	Analysis Requested:	8100

		Det.
	Concentration	Limit
Parameter	(ug/Kg)	(ug/Kg)
Naphthalene	ND	0.2
Acenaphthylene	ND	0.2
Acenaphthene	ND	0.2
Fluorene	ND	0.2
Phenanthrene	ND	0.2 -
Anthracene	ND	0.2
Fluoranthene	ND	0.2
Pyrene	ND	0.2
Indeno[1,2,3-cd] pyrene	ND	0.2
Benzo[a]anthracene	ND	0.2
Chrysene	ND	0.2
Benzo(b)fluoranthene	ND	0.2
Benzo[k]fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Dibenzo[a,h]anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.2

ND - Parameter not detected at the stated detection limit.

FI 184.145.4 BASE 144.44		
SURROGATE RECOVERY	Parameter	Percent Recovery

1-fluoronapthalene

97%

References:

Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Soild Waste,

SW-846, USEPA, September 1986.

Comments:

6-8" BGS 10

16 Pt. Composite

Aleer P. Cofund

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EPA Method 8100 Polynuclear Aromatic Hydrocarbons

Client: Envirotech Project #:	
Sample ID: Background Date Reported: 08-2	6-06
Laboratory Number: 38263 Date Sampled: 08-2	2-06
Chain of custody: 1361 Date Received: 08-2	2-06
Sample Matrix: Soil Date Analyzed: 08-2	5-06
Preservative: Cool Date Concentrated: 08-2	4-06
Condition: Cool & Intact Analysis Requested: 8100)

Parameter		Det. Limit (ug/Kg)
	Concentration (ug/Kg)	
Acenaphthylene	ND	0.2
Acenaphthene	ND	0.2
Fluorene	ND	0.2
Phenanthrene	ND	- 0.2 -
Anthracene	ND	0.2
Fluoranthene	ND	0.2
Pyrene	ND	0.2
Indeno[1,2,3-cd] pyrene	ND	0.2
Benzo[a]anthracene	ND	0.2
Chrysene	ND	0.2
Benzo(b)fluoranthene	ND	0.2
Benzo[k]fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Dibenzo[a,h]anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.2

ND - Parameter not detected at the stated detection limit.

SURROGATE RECOVERY	D 4	D. (D
SURRUGATE RECUVERY	Parameter	Percent Recovery
COMMONATE	. a.aoto	i crociit itcoovery
The second secon		

1-fluoronapthalene

98%

References:

Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Soild Waste,

SW-846, USEPA, September 1986.

Comments:

3' BGS

16 Pt. Composite

Analyst P. africa

(hristin m Walters Review





EPA Method 8100 Polynuclear Aromatic Hydrocarbons

Client;	Envirotech	Project #:	
Sample ID:	North Composite	Date Reported:	08-26-06
Laboratory Number:	38264	Date Sampled:	08-22-06
Chain of custody:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Analyzed:	08-25-06
Preservative:	Cool	Date Concentrated:	08-24-06
Condition:	Cool & Intact	Analysis Requested:	8100

		Det.
!	Concentration	Limit
Parameter	(ug/Kg)	(ug/Kg)
Naphthalene	ND	0.2
Acenaphthylene	ND	0.2
Acenaphthene	ND	0.2
Fluorene	ND	0.2
Phenanthrene	ND	- 0.2 -
Anthracene	ND	0.2
Fluoranthene	ND	0.2
Pyrene	ND	0.2
Indeno[1,2,3-cd] pyrene	ND	0.2
Benzo[a]anthracene	ND	0.2
Chrysene	ND	0.2
Benzo(b)fluoranthene	ND	0.2
Benzo[k]fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Dibenzo[a,h]anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.2

ND - Parameter not detected at the stated detection limit.

SURROGATE RECOVERY	Dorameter	Doroont Boooyony
SURRUGATE RECOVERY	Parameter	Percent Recovery

1-fluoronapthalene

99%

References:

Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Soild Waste,

SW-846, USEPA, September 1986.

Comments:

Remediation Units Bells A1, B1, C1, D1, A2, B2, C2, D2





Client:	Envirotech	Project #:	
Sample ID:	South Composite	Date Reported:	08-26-06
Laboratory Number:	38265	Date Sampled:	08-22-06
Chain of custody:	1361	Date Received:	08-22-06
Sample Matrix:	Soil	Date Analyzed:	08-25-06
Preservative:	Cool	Date Concentrated:	08-24-06
Condition:	Cool & Intact	Analysis Requested:	8100

		Det.
	Concentration	Limit
Parameter	(ug/Kg)	(ug/Kg)
Naphthalene	ND	0.2
Acenaphthylene	ND	0.2
Acenaphthene	ND	0.2
Fluorene	ND	0.2
Phenanthrene	ND	- 0.2 <i>-</i>
Anthracene	ND	0.2
Fluoranthene	ND	0.2
Pyrene	ND	0.2
Indeno[1,2,3-cd] pyrene	ND	0.2
Benzo[a]anthracene	ND	0.2
Chrysene	ND	0.2
Benzo(b)fluoranthene	ND	0.2
Benzo[k]fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Dibenzo[a,h]anthracene	ND	0.2
Benzo(g,h,i)perylene	ND	0.2

ND - Parameter not detected at the stated detection limit.

A CHARLES AND		
SURROGATE RECOVERY	Parameter	Percent Recovery

1-fluoronapthalene

97%

References:

Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Soild Waste,

SW-846, USEPA, September 1986.

Remediation Units

Comments:

-Gells A3, B3, C3, D3, A4, B4, C4, D4, B5, C5, D5

Analyst

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QUALITY ASSURANCE / QUALITY CONTROL DOCUMENTATION





EPA Method 8100 Polynuclear Aromatic Hydrocarbons Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	Laboratory Blank	Date Reported:	08-26-06
Laboratory Number:	QA/QC	Date Sampled:	N/A
Sample Matrix:	Water	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-25-06
Condition:	N/A	Analysis Requested:	8100

		Det.
	Concentration	Limit
Parameter	(ug/L)	(ug/L)
Naphthalene	ND	0.2
Acenaphthylene	ND	0.2
Acenaphthene	ND	0.2
Fluorene	ND	0.2
Phenanthrene	ND	0.2
Anthracene	ND	0.2
Fluoranthene	ND	0.2
Pyrene	ND	0.2
Benzo[a]anthracene	ND	0.2
Chrysene	ND	0.2
Benzo(b)fluoranthene	ND	0.2
Benzo[k]fluoranthene	ND	0.2
Benzo(a)pyrene	ND	0.2
Indeno[1,2,3]pyrene	ND	0.2
Dibenzo[a,h]anthracene	ND .	0.2
Benzo(g,h,i)perylene	ND	0.2

ND - Parameter not detected at the stated detection limit.

SURROGATE RECOVERY:	Parameter	Percent Recovery	
	1-fluoronapthalene	99.0%	

References:

Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Soild Waste,

SW-846, USEPA, September 1986.

Comments:

QA/QC for samples 38260, 38262 - 38265, 38283 - 38285

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EPA Method 8100 Polynuclear Aromatic Hydrocarbons **Quality Assurance Report**

Client:

QA/QC

Project #:

QA/QC

Sample ID:

Matrix Duplicate

Date Reported:

08-26-06

Laboratory Number:

38260

N/A

Sample Matrix:

Soil

Date Sampled: Date Received:

N/A

Analysis Requested:

8100 N/A

Date Analyzed:

08-25-06

Condition:	

		Duplicate		
	Sample	Sample	Det.	Percent
	Result	Result	Limit	Difference
Parameter	(ug/Kg)	(ug/Kg)	(ug/Kg)	
Naphthalene	ND	ND	0.2	0.0%
Acenaphthylene	ND	ND	0.2	0.0%
Acenaphthene	ND	ND	0.2	0.0%
Fluorene	ND	ND	0.2	0.0%
Phenanthrene	ND	ND	0.2	0.0%
Anthracene	ND	ND	0.2	0.0%
Fluoranthene	ND	ND	0.2	0.0%
Pyrene	ND	ND	0.2	0.0%
Indeno[1,2,3-cd] pyrene	ND	ND	0.2	0.0%
Benzo[a]anthracene	ND	ND	0.2	0.0%
Chrysene	ND	ND	0.2	0.0%
Benzo(b)fluoranthene	ND	ND	0.2	0.0%
Benzo[k]fluoranthene	ND	ND	0.2	0.0%
Benzo(a)pyrene	ND	ND	0.2	0.0%
Dibenzo[a,h]anthracene	ND	ND	0.2	0.0%
Benzo(g,h,i)perylene	ND	ND	0.2	0.0%

ND - Parameter not detected at the stated detection limit.

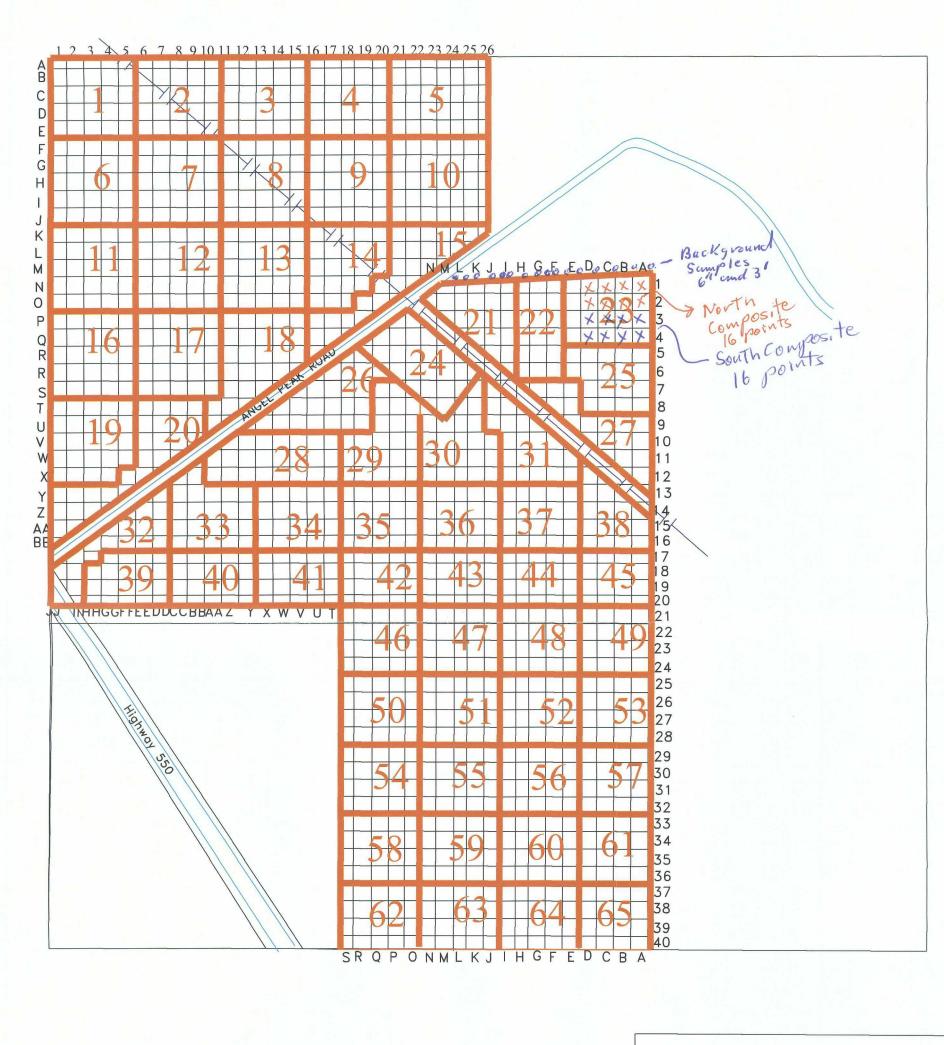
References:

Method 8100, Polynuclear Aromatic Hydrocarbons, Test Methods for Evaluating Soild Waste,

SW-846, USEPA, September 1986.

Comments:

QA/QC for samples 38260, 38262 - 38265, 38283 - 38285



TEGEND

THE PIPELINE

OCD LANDFARM 2 CELL GRID LAYOUT

REVISIONS

BY CJC DATE 07/12/06

BY CJC DATE 08/25/06

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 FARMINGTON, NEW MEXICO 87401 (505) 632-0615

SITE MAP

 DATE
 07/12/06
 DRAWN
 CJC
 FIGURE

 SCALE
 1"= 600'
 APPROVED
 CJC
 1

July 31, 2006

Mr. Wayne Price New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, NM 87505

Phone (505) 476-3492 Fax (505) 476-3462

RE: REQUEST FOR MODIFICATION OF PERMIT NM-01-0011, ENVIROTECH LANDFARM #2

Dear Mr. Price:

Envirotech Inc. respectfully requests modification of Permit NM-01-0011 to change the operating status of 137.2 acres (see attached map) from discontinued maintenance to active. Units LF2-A1 and LF2-A2 comprise 115.2 acres while LF2-A4 is 22 acres, making the total acreage request 137.2 acres. We also would like to add the 5.3 acres of the LF2-A6 "island" to our permit to remove this excluded "island".

All contaminated soil wastes will be handled in accordance with our existing permit. Please identify the financial assurance necessary and/or other requirements to reopen this area for a second placement of lift. Due to an increase in volume, anything that can be done to expedite this process would be greatly appreciated.

Respectfully Submitted,

ENVIROTECH INC.

April E. Pohl

Landfarm Administrator apohl@envirotech-inc.com

President

myoung@envirotech-inc.com

Attachments

ce: Mr. Ed Martin

AEP:/Office/Client/LF/landfarm/Expansion/LF2PermitExpReq072106.doc.

District J
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-137 Revised June 10, 2003

Submit Original Plus 1 Copy to Santa Fe I Copy Appropriate District Office

APPLICATION FOR WASTE MANAGEMENT FACILITY (Refer to the OCD Guidelines for assistance in completing the application)

				\boxtimes	Commercial			Centralize	ed	
1.	Туре:	☐ Eva	poration				Injection		Other	
		⊠ Soli	ds/Landfar	m			Treating Plant			
2.	Operator:	Enviro	tech Inc							
	Address: _	US Hw	vy 64 Fa	arm	ington New Mo	exico	<u>87401</u>			
	Contact Pe	erson:	Morris D.	You	ng		Phone	e: <u>(505)</u>	632-0615	
3.	Location:						Township g exact location	26N	Range	10W
4.	Is this a mo	odificatio	n of an exis	stin	g facility?	Ye	s 🗌 No			
5.	Attach the	name and	address of	f the	e landowner of	the fac	cility site and land	downers of	record within	one mile of the site.
6.	Attach des	cription o	f the facilit	ty w	ith a diagram in	ndicat	ing location of fer	nces, pits, c	likes, and tank	s on the facility.
		ak-detect	ion system	s, a	erations systems	_	idelines for the co anced evaporation			f the following: pits treating systems,
8.	Attach a co	ontingency	/ plan for r	epo	rting and clean-	up fo	r spills or releases	S.		
9.	Attach a ro	outine insp	ection and	ma	intenance plan	to ens	ure permit compl	iance.		
10.	Attach a c	losure pla	n.							
11.					idence demonst of ground water		that disposal of cost be included.	oil field was	stes will not ac	dversely impact
12.	Attach pro	of that the	e notice rec	quire	ements of OCD	Rule	711 have been me	et.		
13.	Attach a co	ontingency	y plan in th	ie e	vent of a release	e of H	₂ S.			
14.	Attach suc orders.	h other in	formation :	as n	ecessary to dem	onstr	ate compliance w	ith any oth	er OCD rules,	regulations and
15.	CERTIFIC I hereby ce and belief.		he informa	atio	n submitted wit	h this	application is true	e and corre	ct to the best o	of my knowledge
Na	ıme: <u>Mor</u>	ris D. You	ıng				Title: _	President		
Sig	gnature:	More	i.D. 4	ou	~ _		Date: _	07.3	۱-۵6	
E-	mail Addres	ss: <u>myo</u> t	ıng@envir	otec	ch-inc.com					

Landfarm #2 Expansion Application July 21, 2006 Page 2 of 4

5. Attach the name and address of the landowner of the facility site and landowners of record within one mile of the site.

This site is owned by: Morris D. Young. 5796 US Hwy 64

Farmington, New Mexico 87401

All adjacent land is owned by Morris D. Young or:
Bureau of Land Management

1235 La Plata Highway, Suite A Farmington, New Mexico 87401

6. Attach description of the facility with a diagram indicating location of fences, pits, dikes, and tanks on the facility.

See Attached Figures.

7. Attach designs prepared in accordance with Division guidelines for the construction/installation of the following: pits or ponds, leak-detection systems, aerations systems, enhanced evaporation (spray) systems, waste treating systems, security systems, and landfarm facilities.

See Attached Figures.

8. Attach a contingency plan for reporting and cleanup for spills or releases.

The NMOCD Santa Fe and Aztec offices will be notified within 24 hours of the discovery of any spills or leaks or if any defect in the landfarm is noted. Any necessary repairs will be made as soon as possible after their discovery. If the integrity of the landfarm has been jeopardized, additional wastes will not be placed in the facility until repairs have been completed.

9. Attach a routine inspection and maintenance plan to ensure permit compliance.

The facility will be inspected no less than once every two weeks and following each consequential rainstorm or windstorm.

Landfarm #2 Expansion Application July 21, 2006 Page 3 of 4

10. Attach a closure plan.

The NMOCD Santa Fe and Aztec offices will be notified when operation of the facility is to be discontinued for a period in excess of six (6) months or when the facility is to be dismantled. Within six (6) months after discontinuing use or within 30 days of deciding to dismantle the facility a closure plan will be submitted to the OCD Santa Fe office for approval. Envirotech will complete cleanup of constructed facilities and restoration of the facility site within six (6) months of receiving the closure plan approval.

Our closure plan includes the following procedures:

- a) No new material will be accepted.
- b) Existing landfarm soils will be remediated until they meet OCD standards.
- c) The treatment zone soils within each cell will be sampled at two (2) to three (3) feet below the native ground surface and will be analyzed for TPH, BTEX, major cations/anions, and WQCC metals.
- d) Contaminated soils exceeding OCD closure standards will be remediated.
- e) The facility will be contoured, seeded with native grasses, and allowed to return to its natural state.
- f) Closure will be subject to OCD requirements and applicable laws.

11. Attach geological/hydrological evidence demonstrating that disposal of oilfield wastes will not adversely impact groundwater. Depth to and quality of groundwater must be included.

The property is undeveloped ranch land that is uniquely suited for thin spread soil remediation. Envirotech's Landfarm #2 is located 1280 feet above groundwater. Groundwater is located at the bottom of the Nacimiento Formation that overlies the Ojo Alamo Formation. The Nacimiento Formation extends approximately 1100 feet below the landfarm before meeting the Ojo Alamo Formation. The Nacimiento Formation is an effective aquatard due to the low permeability beds of mudstone and clay stone at the top of the formation and interbedded black, carbonaceous mudstones and white, coarse-grained sandstones in the lower part of the formation. The sandy loam, which covers the site, is an excellent absorbent. Background and quarterly monitoring at the site has shown that there is historically no migration of contamination from stabilized waste below 6 inches into native soil.

12. Attach proof that the notice requirements of OCD Rule 711 have been met.

The proposed area is within the permit boundaries. It has previously had soil placed on it and remediation was completed. The area is currently listed as discontinued maintenance status. This area previously underwent all notification and hearing procedures and was approved for expansion by the NMOCD. Since there have been

Landfarm #2 Expansion Application July 21, 2006 Page 4 of 4

no changes in the use of the property, and property ownership near the facility has not changed, re-notification should not be required.

13. Attach a contingency plan in the event of a release of H₂S.

Haulers are not to deliver H_2S containing materials to this facility. H_2S monitors are located at this site. In the event of an unforeseen release, personnel will be evacuated to an upwind location until suitable PPE and monitoring equipment can be delivered to the site.

14. Attach such other information as necessary to demonstrate compliance with any other OCD rules, regulations, and orders.

- The active portion of the facility is fenced and bermed to prevent runoff and runon.
- Disposal occurs only when an attendant is on duty. The facility is secured when no attendant is present.
- All contaminated soils received at the facility are to be spread and disked within 72 hours of receipt.
- Soils will be spread on the surface in lifts of six (6) inches or less.
- Moisture will be added as necessary to enhance bioremediation and to control blowing dust. No ponding or pooling of run off water is allowed.

ATTACHMENT TO OCD 711 PERMIT APPROVAL PERMIT NM-01-0011 ENVIROTECH, INC.

NW/4 of Section 6, Township 26 North, Range 10 West, NMPM San Juan County, New Mexico (April 18, 2000)

LANDFARM OPERATION

- 1. The 51-acre active portion of the facility must be fenced and have a sign at the entrance. The sign must be legible from at least fifty (50) feet and contain the following information: a) name of the facility; b) location by section, township and range; and c) emergency phone number.
- 2. Disposal may occur only when an attendant is on duty. The facility must be secured when no attendant is present.
- 3. All contaminated soils received at the facility must be spread and disked within 72 hours of receipt.
- 4. Soils must be spread on the surface in lifts of six inches or less.
- 5. Soils must be disked a minimum of one time every two weeks (biweekly) to enhance biodegradation of contaminants.
- 6. Moisture may be added as necessary to enhance bioremediation and to control blowing dust. There may be no ponding, pooling or run-off of water allowed. Any ponding of precipitation must be removed within twenty-four (24) hours of discovery.
- 7. Contaminated soils may not be placed within twenty-five (25) feet of the boundary of the facility and the landfarm facility may not be constructed within one hundred (100) feet of adjacent landowners' property.
- 8. Contaminated soils may not be placed within twenty (20) feet of any pipeline crossing the landfarm. In addition, no equipment may be operated within ten (10) feet of a pipeline. All pipelines crossing the facility must have surface markers identifying the location of the pipelines.
- The portion of the facility containing contaminated soils must be bermed to prevent runoff and runon. A perimeter berm must be maintained such that it is capable of containing precipitation from a one-hundred year flood for the specific region. Individual interior berms must be maintained to control erosion.

Envirotech, Inc. 711 Permit NM-01-0011 April 18, 2000 Page 2

- 10. All above-ground tanks, saddle tanks or drums located at the facility and containing materials other than fresh water must be placed on an impermeable pad with curb containment. The tanks and containers must be labeled as to contents and hazards.
- Successive lifts of contaminated soils may not be spread until a laboratory measurement of total petroleum hydrocarbons (TPH) in the previous lift is less than 100 parts per million (ppm), the sum of all aromatic hydrocarbons (BTEX) is less than 50 ppm, and benzene is less than 10 ppm. Envirotech may apply for alternate TPH levels. A request for alternate TPH levels must be accompained by the cell designation and the reason for the request. Comprehensive records of the laboratory analyses and the sampling locations must be maintained at the Envirotech office at 5796 US Highway 64 Farmington, NM. Authorization from the OCD must be obtained prior to application of successive lifts and/or removal of the remediated soils.
- 12. Enhanced bio-remediation through the application of microbes (bugs) and/or fertilizers requires prior approval from the OCD. Requests for application of microbes or fertilizers must include the location of the area designated for the program, the composition of additives, and the method, amount and frequency of application.
- 13. Any design changes to the landfarm facility must be submitted to the OCD Santa Fe office for approval and a copy must be sent to the Aztec District office.
- 14. As designated on maps submitted to the OCD, Envirotech must close the original (SE) portion of landfarm 2, unit 4, and unit 5 east of the N line and south of the 20 line by December 31, 2000. Closure of these portions of Landfarm 2 shall include:
 - a. Requesting and receiving closure status for all cells that have received discontinued maintenance status.
 - b. Requesting and receiving closure status for any currently active cells.
 - c. Removing berms, contouring, and seeding with native grasses.
 - d. Submittal of a closure report to the OCD Santa Fe office for review and approval.
- Landfarm inspection and maintenance must be conducted on at least a biweekly basis and immediately following each consequential rainstorm or windstorm. The OCD Santa Fe and Aztec offices must be notified within 24 hours if any defect is noted. Repairs must be made as soon as possible. If the defect will jeopardize the integrity of the landfarm, additional wastes may not be placed into the landfarm until repairs have been completed.

Young Engineering Services Inc. dba Envirotech Inc. Soil Remediation Facility No. 2 (Land farm #2)

Tract in Section 6, T.26N., R.10 W. N.M.=P.M., San Juan County, New Mexico

Legal Description:

A tract of land in Section 6, Township 26 N., Range 10 W., NMPM, San Juan County, New Mexico and being more particularly described as follows:

Beginning at the NW corner of said Section 6;

Thence East 2640 feet to North 1/4 corner of said Section 6;

Thence South 1032.5 feet;

Thence S 55° W 537.6 feet;

Thence East 153.6 feet;

Thence N 87° 10' E 1305.6 feet;

Thence South 3993.6 feet;

Thence N 0° 5' W 2073.6 feet along the south section line of said

Section 6;

Thence N 89° 41' W 1305.6 feet;

Thence N 34° 30' W 768 feet;

Thence N 2611.2 feet along the west section line to the NW corner of

said Section 6, the point of Beginning.

The tract as described contains 325.1 acres, more or less, and includes 16.7 acres of non-usable right-of ways and roads. No easements, restrictions, or reservations were researched or shown.

Energy, Minerals and Natural Resources Department Oil Conservation Division

Cash Bond For Waste Management Facilities

(File with Oil Conservation Division, 1220 South Saint Francis, Santa Fe, New Mexico 87505)

KNOW	ALL	MEN BY	THESE	PRESENTS	S:
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That	ENVIROTECH	INC.	(an indiv	idual, partnership, or
a corporation org	anized in the State of, State of	NEW MEXICO	(an indiv D, with its principa and authorized	l office in the City of to do business in the
State of New Me	xico), as PRINCIPAL i	s firmly bound unto	the State of New Mexico, for	or the use and benefit
of the Oil Conser	vation Division of the I	Energy, Minerals an	d Natural Resources Depart	ment (DIVISION) in
the sum of	esty Thousand	(\$ _	20,000 .00 Dollars.	
The cond	litions of this obligation	n are such that:		
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of Cash Collatera executors, assigns and orders of the properly reclaim the restore the facility forfeited in full and the bond is less that	dollar dollar dellar della del	ars) in the manner in a bond. The PRINC is will abide by the g the waste managuation of operations. Dide by the rules arry applied to the costed by the DIVISIO	he DIVISION in the amoundicated on page 2 of this instructed and page 2 of this instructed as a Statutes of the State of New I ement facility described her a lift the PRINCIPAL does not a lift orders of the DIVISION of reclaiming the facility signs in reclaiming the facility er any amounts expended of	rument, Assignment guarantee that it, its Mexico and the rules rein, and that it will properly reclaim and this bond shall be ite. If the amount of site, the DIVISION

NOW THEREFORE, if the above PRINCIPAL or its successors, assigns, heirs, administrators or any of them shall properly reclaim and restore the above-described facility site upon cessation of operations and otherwise abide by the rules and orders of the Division, then therefore, this obligation shall be null and void and the principal sum hereof shall be paid to the PRINCIPAL, or its successors, heirs, or administrator; otherwise it shall remain in full force and effect.



Page 2 of 3

01/04

Assignment of Cash Collateral Deposit For Bond for Waste Management Facility

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Page 3 of 3		01/04
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STATE OF		
COUNTY OF	•	
The foregoing instrument was	ucknowledged before me this	day of 2 by
My commission expires:		·
Date	Notary Public	
ACKNOWLEDGMENT FORM	M FOR CORPORATION, INCORPORT	ORATED ASSOCIATION OR
STATE OF Mexico		
COUNTY OF SOM MUM		
The foregoing instrument was:	acknowledged before me this $\underline{19}$ da	y of July ,206, by
morris D young		n President
or Wung Environmental incorporated association, or parmership	Sorvices Inc BBA Envir	stech Inc., a corporation.
My commission expires:		
7/19/2006	April E Pohl	
ACKNOWLEDG	ment form for financial i	NSTITUTION
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COUNTY OF <u>Bernalilla</u>	•	
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Kenneth Dobbs	as (title) VICE Pres	
First Federal	Bank.	financial institution.
Ay commission expires:		
12/26/06 Qu	Land Pere Notary Public	OFFICIAL SEAL DIANA E. PEREZ Notary Public State of New Mexico
		My Commission Expires 12 26 0





First Federal Bank 4301 The 25 Way NE Albuquerque, NM 87109

OWNERSHIP OF ACCOUNT - CONSUMER (Select One and Initial): Single-Party Account	Albuquelque, NH 87103
Single-Party Account Multiple-Party Account With Right of Survivorship Multiple-Party Account With Pay On Death Multiple-Party Account With Pay On Death Multiple-Party Account With Pay On Death Multiple-Party Account With Right of Survivorship and Pay On Death Pay-On-Death Beneficiaries Name One or More: OWNERSHIP OF ACCOUNT - BUSINESS PURPOSE SOLE PROPRIETORSHIP SOLE PROPRIETORSHIP SOLE PROPRIETORSHIP PARTNERSHIP DISINESS COUNTY & STATE OF PROFIT NOT FOR PROFIT NOT FOR PROFIT PARTNERSHIP DUSINESS COUNTY & STATE OF ORGANIZATION: SAN JUAN NM OTHER PROFIT NAME OF ORGANIZATION DATED: 07/13/06 DATE OPENED 07/13/06 BY B11DIANA INITIAL DEPOSIT \$ 20,000.00 CASH CHECK TRANSFER HOME TELEPHONE # USINESS PHONE # USINESS	Single-Party Account Trust-Separate Agreement
SOLE PROPRIETORSHIP CORPORATION: FOR PROFIT NOT FOR PROFIT PARTNERSHIP BUSINESS: COUNTY & STATE OF ORGANIZATION: SAN JUAN NM AUTHORIZATION DATED: 07/13/06 DATE OPENED 07/13/06 BY B11DIANA INITIAL DEPOSIT \$ 20,000.00 CASH CHECK TRANSFER HOME TELEPHONE # BUSINESS PHONE # (505) 632-0615 DRIVER'S LICENSE # E-MAIL EMPLOYER MOTHER'S MAIDEN NAME JOHNSON Name and address of someone who will always know your location: BACKUP WITHHOLDING CERTIFICATIONS TIN: 85-0394202 TAXPAYER I.D. NUMBER - The Taxpayer Identification Number shown above (TIN) is my correct taxpayer identification number. BACKUP WITHHOLDING - I am not subject to backup withholding either because I have not been notified that I am subject to backup withholding as a result of a failure to report all	Single-Party Account Multiple-Party Account With Right of Survivorship Multiple-Party Account Without Right of Survivorship Single-Party Account With Pay On Death Multiple-Party Account With Right of Survivorship and Pay On Death
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me that I am no longer subject to backup withholding. EXEMPT RECIPIENTS - I am an exempt recipient under the Internal Revenue Service Regulations.	TIN: 85-0394202 TAXPAYER I.D. NUMBER - The Taxpayer Identification Number shown above (TIN) is my correct taxpayer identification number. BACKUP WITHHOLDING - I am not subject to backup withholding either because I have not been notified that I am subject to backup withholding as a result of a failure to report all interest or dividends, or the Internal Revenue Service has notified me that I am no longer subject to backup withholding. EXEMPT RECIPIENTS - I am an exempt recipient under the

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YOUR DEPOSIT ACCOUNT TERMS AND CONDITIONS

AGREEMENT - These terms govern the operation of this account unless varied or supplemented in writing. Unless it would be inconsistent to do so, words and phrases used in this document should be construed so that the singular includes the plural and the plural includes the singular. As used in this form, the words "we," "our," or "us" mean the financial institution and the words "you" or "your" mean the account holder(s). "Party" means a person who, by the terms of an account, has a present right, subject to request, to payment from the account other than as a beneficiary or agent. This account may not be transferred or assigned without our written consent.

Page 1 will show whether this account is a consumer or business

Page 1 will show whether this account is a consumer or business account. A consumer is a natural person who holds an account primarily for personal, family or household purposes.

Much of our relationship with our deposit customers is regulated by state and federal law, especially the law relating to negotiable instruments, the law regulating the methods of transferring property upon death and the rights of surviving spouses and dependents, the law pertaining to estate and other succession taxes, the law regarding electronic funds transfer, and the law

regarding the availability of deposited funds. This body of law is too large and

complex to be reproduced here.

The purpose of this form is to:

(1) summarize the rules applicable to the more common transactions;

(2) establish rules to govern transactions or circumstances which the law does not regulate; and

(3) establish rules for certain events or transactions which the law already regulates but permits variation by agreement.

We may permit some variations from this standard agreement, but any such variations must be agreed to in writing either on our signature card for the account or in some other written form.

LIABILITY - Each of you agrees, for yourself (and the person or entity you represent if you sign as a representative of another) to the terms of this account and the schedule of charges that may be imposed. You authorize us to deduct these charges as accrued directly from the account balance. You also agree to pay additional reasonable charges we may impose for services you request which are not contemplated by this agreement. Each of you also agrees to be jointly and severally liable for any account deficit resulting from charges or overdrafts, whether caused by you or another authorized to withdraw from this account, and the costs we incur to collect the deficit including, to the extent permitted by law, our reasonable attorneys' fees.

DEPOSITS - Any items, other than cash, accepted for deposit (including items drawn "on us") will be given provisional credit only until collection is final (and actual credit for deposits of, or payable in, foreign currency will be at the exchange rate in effect on final collection in U.S. dollars). Unless otherwise disclosed, interest on non-consumer accounts will be paid only on collected funds, subject to minimum balance or other limitations, if any. We are not responsible for transactions initiated by mail or outside depository until we actually record them. All transactions received after our "daily cut-off time" on a business day we are open, or received on a day in which we are not open for business, will be treated and recorded as if initiated on the next following business day that we are open. Time or savings account deposits will be repaid to depositors under regulations adopted by our board of directors from time to time. These regulations will be available for inspection by you upon your request.

WITHDRAWALS - Unless otherwise clearly indicated on the account records, any one of you who signs this form including authorized signers, may withdraw or transfer all or any part of the account balance at any time on forms approved by us. Each of you (until we receive written notice to the contrary) authorizes each other person signing this form to endorse any item payable to you or your order for deposit to this account or any other transaction with us. We may charge against your account a check, even though payment was made before the date of the check, unless you have given us written notice of the postdating. The fact that we may honor withdrawal requests which overdraw the finally collected account balance does not obligate us to do so, unless required by law. Withdrawals will first be made from collected funds, and we may, unless prohibited by law or our written policy, refuse any withdrawal request against uncollected funds, even if our general practice is to the contrary. We reserve the right to refuse any withdrawal or transfer request which is attempted by any method not specifically permitted, which is for an amount less than any minimum withdrawal requirement, or which exceeds any frequency limitation. Even if we honor a nonconforming request, repeated abuse of the stated limitations (if any) may eventually force us to close this account. We will use the date a transaction is completed by us (as opposed to the day you initiate it) to apply the frequency limitations. On interest-bearing accounts other than time deposits, we reserve the right to require at least seven days' written notice before any withdrawal or transfer. Withdrawals from a time deposit prior to maturity or prior to the expiration of any notice period may be restricted and may be subject to penalty. See your notice of penalties for early withdrawal. ACH AND WIRE TRANSFERS - This agreement is subject to Article 4A of the Uniform Commercial Code in the state in which you have your account with us. If you originate a fund transfer for which Fedwire is used, and you identify by name and number a beneficiary financial institution, an intermediary financial institution or a beneficiary, we and every receiving or beneficiary financial institution may rely on the identifying number to make payment. We may rely on the number even if it identifies a financial institution, person or account other than the one named. You agree to be bound by automated clearing house association rules. These rules provide, among other things, that payments made to you, or originated by you, are provisional until final settlement is made through a Federal Reserve Bank or payment is otherwise made as provided in Article 4A-403(a) of the Uniform Commercial Code. If we do not receive such payment, we are entitled to a

ACH, we are not required to give you any notice of the payment order or credit.

OWNERSHIP OF ACCOUNT - You intend these rules to apply to this account depending on the form of ownership and beneficiary designation, if any, specified on page 1. We make no representations as to the appropriateness or effect of the ownership and beneficiary designations, except as they determine to whom we pay the account funds. Single Party Account - Such an account is owned by one party. Multiple Party Account - Parties own the account in proportion to their net contributions unless there is clear and convincing evidence of a different intent. Corporate, Partnership, and other Organizational Accounts - We reserve the right to require the governing body of the legal entity to give us a separate authorization telling us who is authorized to act on its behalf. We will honor such an authorization until we actually receive written notice of a change from the governing body.

RIGHTS AT DEATH - Single Party Account - At death of party, ownership passes as part of party's estate. Multiple Party Account With Right of Survivorship - At death of party, ownership passes to surviving parties. If two or more parties survive and one is the surviving spouse of the deceased party, the amount to which the deceased party, immediately before death, was beneficially entitled by law belongs to the surviving spouse. If two or more parties survive and none is the spouse of the decedent, the amount to which the deceased party, immediately before death, was beneficially entitled by law belongs to the surviving parties in equal shares. Multiple Party Account Without Right of Survivorship - At death of party, deceased party's ownership passes as part of deceased party's estate. Single Party Account With POD (Pay-on-Death) Designation - At death of party, ownership passes to POD beneficiaries and is not part of party's estate. Multiple Party Accounts With Right of Survivorship and POD (Pay-on-Death) Designation - At death of last surviving party, ownership passes to POD beneficiaries and is not part of last surviving party's estate.

STOP-PAYMENTS - A stop-payment order must be given in the manner required by law and must be received in time to give us a reasonable opportunity to act on it before our stop-payment cut-off time. Our stop-payment cut-off time is one hour after the opening of the next banking day after the banking day on which we receive the item. Additional limitations on our obligation to stop-payment are provided by law. A stop-payment order must precisely identify the number, date and amount off the item, and the payee. We will honor a stop-payment request by the person who signed the particular item, and, by any other person, even though such other person did not sign the item, if such other person has an equal or greater right to withdraw from this account than the person who signed the item in question. A release of the stop-payment request may be made only by the person who initiated the stop-payment

the person who initiated the stop-payment.

AMENDMENTS AND TERMINATION - We may change any term of this agreement. Rules governing changes in interest rates have been provided separately. For other changes we will give you reasonable notice in writing or by any other method permitted by law. We may also close this account at any time upon reasonable notice to you and tender of the account balance personally or by mail. Notice from us to any one of you is notice to all of you.

STATEMENTS - You must examine your statement of account with "reasonable promptness." If you discover (or reasonably should have discovered) any unauthorized payments or alterations, you must promptly notify us of the relevant facts. If you fail to do either of these duties, you will have to either share the loss with us, or bear the loss entirely yourself (depending on whether we exercised ordinary care and, if not, whether we substantially contributed to the loss). The loss could be not only with respect to items on the statement but other items forged or altered by the same wrongdoer. You agree that the time you have to examine your statement and report to us will depend on the circumstances, but that such time will not, in any circumstance, exceed a total of 30 days from when the statement is first made available to you.

You further agree that if you fail to report any unauthorized signatures, alterations, forgeries or any other errors in your account within 60 days of when we make the statement available, you cannot assert a claim against us on any items in that statement, and the loss will be entirely yours. This 60 day limitation is without regard to whether we exercised ordinary care. The limitation in this paragraph is in addition to that contained in the first paragraph of this section.

DIRECT DEPOSITS - If, in connection with a direct deposit plan, we deposit any amount in this account which should have been returned to the Federal Government for any reason, you authorize us to deduct the amount of our liability to the Federal Government from this account or from any other account you have with us, without prior notice and at any time, except as prohibited by law. We may also use any other legal remedy to recover the amount of our liability.

TEMPORARY ACCOUNT AGREEMENT - If this option is selected, we may restrict or prohibit further use of this account if you fail to comply with the requirements we have imposed within a reasonable time.

SET-OFF - You each agree that we may (without prior notice and when permitted by law) set off the funds in this account against any due and payable debt owed to us now or in the future, by any of you having the right of withdrawal, to the extent of such persons' or legal entity's right to withdraw. If the debt arises from a note, "any due and payable debt" includes the total amount of which we are entitled to demand payment under the terms of the note at the time we set off, including any balance the due date for which we properly accelerate under the note. This right of set-off does not apply to this account if; (a) it is an Individual Retirement Account or other tax-deferred retirement account, or (b) the debt is created by a consumer credit transaction under a credit card plan, or (c) the debtor's right of withdrawal arises only in a representative capacity. We will not be liable for the dishonor of any check when the dishonor occurs because we set off a debt against this account. You agree to hold us harmless from any claim arising as a result of our exercise of our right of set-off.

AGENCY (POWER OF ATTORNEY) DESIGNATION - An agent is someone you

AGENCY (POWER OF ATTORNEY) DESIGNATION - An agent is someone you designate to conduct transactions on your behalf, but does not have any ownership or rights at death unless named as a Pay-on-Death beneficiary.

ii)

3(1)

refund from you in the amount credited to your account and the party

originating such payment will not be considered to have paid the amount so credited. If we receive a credit to an account you have with us by wire or



First Federal Bank 4301 The 25 Way NE Albuquerque, NM 87109 By: YOUNG ENVIROMENTAL SERVICE INC 5796 US HIGHWAY 64 FARMINGTON NM 87401

Referred to in this document as "Financial Institution"

Referred to in this document as "Corporation"

MORRIS YOUNG PRESIDENT X X X X X X X WERS GRANTED (Attach one or more Agents to each power by placing the letter corresponding to their name in the area before each power lowing each power indicate the number of Agent signatures required to exercise the power.) Indicate number		N:	ame and Title or Position		Sig	nature	Facsir	nile Signature
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X X X X WERS GRANTED (Attach one or more Agents to each power by placing the letter corresponding to their name in the area before each power lowing each power indicate the number of Agent signatures required to exercise the power.) icate A, B, C, Description of Power and/or F (1) Exercise all of the powers listed in this resolution. (2) Open any deposit or share account(s) in the name of the Corporation. (3) Endorse checks and orders for the payment of money or otherwise withdraw or transfer funds on deposit with this Financial Institution. (4) Borrow money on behalf and in the name of the Corporation, sign, execute and deliver promissory notes or other evidences of indebtedness. (5) Endorse, assign, transfer, mortgage or pledge bills receivable, warehouse receipts, bills of lading, stocks, bonds, real estate or other property now owned or hereafter owned or acquired by the Corporation as security for sums borrowed, and to discount the same, unconditionally guarantee payment of all bills received, negotiated or discounted and to waive demand, presentment, protest, notice of protest and notice of non-payment. (6) Enter into a written lease for the purpose of renting, maintaining, accessing and terminating a Safe Deposit Box in this Financial Institution.	MORRIS YO	OUNC	G PRESIDENT	x	maria	D. Houng	x	
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				sedes resolut	ion dated <u>07/</u>	<u>13/06</u> . If not	completed, all resolution	ons remain in effe
ECT ON PREVIOUS RESOLUTIONS This resolution supersedes resolution dated 07/13/06. If not completed, all resolutions remain in effect	ther certify tha of the resolutio	t the	Board of Directors of the Corporation page 2 and to confer the powers g	n has, and at granted above	the time of adopt to the persons r	ion of this resolut amed who have	ion had, full power and full power and lawful a	d lawful authority authority to exerci
TIFICATION OF AUTHORITY ther certify that the Board of Directors of the Corporation has, and at the time of adoption of this resolution had, full power and lawful authority of the resolutions on page 2 and to confer the powers granted above to the persons named who have full power and lawful authority to exerci			• • •	In Witness	Whereof, I have	subscribed my na	ame to this document	and affixed the se
TIFICATION OF AUTHORITY ther certify that the Board of Directors of the Corporation has, and at the time of adoption of this resolution had, full power and lawful authority of the resolutions on page 2 and to confer the powers granted above to the persons named who have full power and lawful authority to exercisame. (Apply seal below where appropriate.) checked, the Corporation is a non-profit corporation. In Witness Whereof, I have subscribed my name to this document and affixed the seal of the corporation.	checked, the						-	# 1 in 1 + 1
TIFICATION OF AUTHORITY ther certify that the Board of Directors of the Corporation has, and at the time of adoption of this resolution had, full power and lawful authority of the resolutions on page 2 and to confer the powers granted above to the persons named who have full power and lawful authority to exercisame. (Apply seal below where appropriate.)	checked, the	Ť		of the Oorp	oration on		11.14.1	7/18/06 (date

RESOLUTIONS

The Corporation named on this resolution resolves that,

- (1) The Financial Institution is designated as a depository for the funds of the Corporation and to provide other financial accommodations indicated in this resolution.
- (2) This resolution shall continue to have effect until express written notice of its rescission or modification has been received and recorded by the Financial Institution. Any and all prior resolutions adopted by the Board of Directors of the Corporation and certified to the Financial Institution as governing the operation of this corporation's account(s), are in full force and effect, until the Financial Institution receives and acknowledges an express written notice of its revocation, modification or replacement. Any revocation, modification or replacement of a resolution must be accompanied by documentation, satisfactory to the Financial Institution, establishing the authority for the changes.
- (3) The signature of an Agent on this resolution is conclusive evidence of their authority to act on behalf of the Corporation. Any Agent, so long as they act in a representative capacity as an Agent of the Corporation, is authorized to make any and all other contracts, agreements, stipulations and orders which they may deem advisable for the effective exercise of the powers indicated on page one, from time to time with the Financial Institution, subject to any restrictions on this resolution or otherwise agreed to in writing.
- (4) All transactions, if any, with respect to any deposits, withdrawals, rediscounts and borrowings by or on behalf of the Corporation with the Financial Institution prior to the adoption of this resolution are hereby ratified, approved and confirmed.
- (5) The Corporation agrees to the terms and conditions of any account agreement, properly opened by any Agent of the Corporation. The Corporation authorizes the Financial Institution, at any time, to charge the Corporation for all checks, drafts, or other orders, for the payment of money, that are drawn on the Financial Institution, so long as they contain the required number of signatures for this purpose.
- (6) The Corporation acknowledges and agrees that the Financial Institution may furnish at its discretion automated access devices to Agents of the Corporation to facilitate those powers authorized by this resolution or other resolutions in effect at the time of issuance. The term "automated access device" includes, but is not limited to, credit cards, automated teller machines (ATM), and debit cards.
- (7) The Corporation acknowledges and agrees that the Financial Institution may rely on alternative signature and verification codes issued to or obtained from the Agent named on this resolution. The term "alternative signature and verification codes" includes, but is not limited to, facsimile signatures on file with the Financial Institution, personal identification numbers (PIN), and digital signatures. If a facsimile signature specimen has been provided on this resolution, (or that are filed separately by the Corporation with the Financial Institution from time to time) the Financial Institution is authorized to treat the facsimile signature as the signature of the Agent(s) regardless of by whom or by what means the facsimile signature may have been affixed so long as it resembles the facsimile signature specimen on file. The Corporation authorizes each Agent to have custody of the Corporation's private key used to create a digital signature and to request issuance of a certificate listing the corresponding public key. The Financial Institution shall have no responsibility or liability for unauthorized use of alternative signature and verification codes unless otherwise agreed in writing.

Pennsylvania. The designation of an Agent does not create a power of attorney; therefore, Agents are not subject to the provisions of 20 Pa.C.S.A. Section 5601 et seq. (Chapter 56; Decedents, Estates and Fiduciaries Code) unless the agency was created by a separate power of attorney. Any provision that assigns Financial Institution rights to act on behalf of any person or entity is not subject to the provisions of 20 Pa.C.S.A. Section 5601 et seg. (Chapter 56; Decedents, Estates and Fiduciaries Code). FOR FINANCIAL INSTITUTION USE ONLY Acknowledged and received on ______ (date) by _____ (initials) This resolution is superseded by resolution dated ___ Comments:

Energy, Minerals and Natural Resourc Oil Conservation Division

epart, int

Surety Bond For Waste Management Facilities
(File with Oil Conservation Division, 2040 South Pacheco Street, Santa Fe, New Mexico 87505)

BOND NO. RLB0002253 (For Surety Company Use)

KNOW ALL MEN BY THESE PRESENTS:

That Envirotech, Inc.	, general control of the control of
	New Mexico , with its principal office in the City of
armington , State of New Mexico	, and authorized to do business in the State of New Mexico),
as PRINCIPAL, and RLI Insurance Company	corporation organized and existing under the faws of the State
of Illinois , and authorized to	o do business in the State of New Mexico with duly appointed
resident agent in the State of New Mexico to execute	this bond on behalf of the surety company, as SURETY, are
held firmly bound unto the State of New Mexico, fo	r the use and benefit of the Oil Conservation Division of the
	t (the "Division") pursuant to Section 70-2-12 NMSA, 1978,
	Thousand no/100 (\$ 35,000.00) Dollars for
the payment of which PRINCIPAL and SURETY her	eby bind themselves, their successors and assigns, jointly and
severally.	
The conditions of this obligation are such that	at;
WHEREAS the above principal has herer	ofore or may hereafter enter into the collection, disposal,
	r storage of produced water, drilling fluids, drill cuttings,
	toms, waste oil and/or other oil field related waste in Section
6 Township 26N , Range 10W , NMPM.	
NOW, THEREFORE, this \$35,000.00	performance bond is conditioned upon substantial compliance
	and all rules and orders of the Oil Conservation Commission,
the Division, and upon clean-up of the facility site to sta	andards of the Division; otherwise the principal amount of the
bond to be forfeited to the State of New Mexico.	·
Signed and sealed this 19th day of July, XX	2000.
Envirotech, Inc.	RLI Insurance Company
Principal 5796 US Hwy. 64	Surety
Farmington, NM 87401	8 Greenway Plaza, #400, Bouston, TX 77046
Mailing Address	Mailing Address
Ву	Ву
Signature Title	Attorney-In-Fact Roy C. Die
At any 16 flot of 1 floring 1 floring 1 floring	
Note: If Principal is a corporation, affix corporate seal here.	Note: If corporate surety, affix corporate seal here.
Note: If garagests guests are used to be at the second	in few cas in New Mental at a said at New Mental and the little
countersign here below.	-in-fact not in New Mexico, the resident New Mexico agent shall
Countersigned by:	
New Mexico Resident Agent	Address
· · · · · · · · · · · · · · · · · · ·	

STATE OF)	s.	
COUNTY OF)		
The foregoing instrument was	s acknowledged before me this day of	. 19
My commission expires:		* (
Date	Notary Public	
2. (For a partnership acting by one	e or more partners)	
STATE OF)		
COUNTY OF	•	
	acknowledged before me this day of	, 19,
by	, partner(s)	on behalf of
	, a partiersimp.	
	, a partiersimp.	
My commission expires:	Notary Public	
My commission expires;		
My commission expires: Date 3. (For a corporation or incorporate	Notary Public ed association)	
My commission expires: Date 3. (For a corporation or incorporate The foregoing instrument was a corporate with RL	Notary Public ed association) acknowledged before me this 19 day of July I Insurance Company	
My commission expires: Date George a corporation or incorporate the foregoing instrument was a corporate with RL.	Notary Public ed association) acknowledged before me this 19 day of July I Insurance Company	
The foregoing instrument was a corporation on behalf of said corporation.	Notary Public ed association) acknowledged before me this 19 day of July I Insurance Company	
The foregoing instrument was a corporation on behalf of said corporation.	Notary Public ed association) acknowledged before me this 19 day of July I Insurance Company	
The foregoing instrument was a corporation on behalf of said corporation of said corporation of said corporation on behalf of said corporation.	Notary Public ed association) acknowledged before me this 19 day of July I Insurance Company	
The foregoing instrument was by Roy C. Die with RL a corporation, on behalf of said corporation with a corporation of the corpo	Notary Public Red association) acknowledged before me this 19 day of July I Insurance Company Dration. Notary Public Car Corporation of association, list all partners, office	y,XD22000,

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POWER OF ATTORNEY RLI Insurance Company

Know All Men by These Presents:

That the RLI INSURANCE	E COMPANY, a corporation or	rganized and existing under the laws of the State o	f Illinois, and authorized and licensed
to do business in all state	es and the District of Columb	bia does hereby make, constitute and appoint: $\ \ _$	ROY C. DIE
	d deliver for and on its behal	Attorney-in-Fact, with full power and authority If as Surety and as its act and deed, all of the foll 000.00	
or equity; policies inde surety and fidelity bon- execute consents and v	emnifying employers against ds. Indemnity in all cases wh vaivers to modify or change o	esired by contract, or may be given in any action loss or damage caused by the misconduct of the nere indemnity may be lawfully given: and with for extend any bond or document executed for the xisting against said Company.	eir employees; official, bail and full power and authority to
	MPANY further certifies that ce Company, and now in forc	t the following is a true and exact copy of a Reso be to-wit:	lution adopted by the Board of
name of the Company as the Board of Directo appoint Attorneys-in-F The corporate seal is n	by the President, Secretary, a ors may authorize. The Presid act or Agents who shall have ot necessary for the validity	ney, or other obligations of the corporation shall any Assistant Secretary, Treasurer, or any Vice F dent, any Vice President, Secretary, any Assistar e authority to issue bonds, policies, or undertaki of any bonds, policies, undertakings, Powers of a and the corporate seal may be printed by facsimi	President, or by such other officers nt Secretary, or the Treasurer may ings in the name of the Company. Attorney, or other obligations of
	(Blue	shaded areas above indicate authenticity)	
IN WITNESS WHEREOF, corporate seal affixed this	the RLI Insurance Company s	y has caused these presents to be executed by its	_CHAIRMAN, CEO_with its
Canille)	Secretary	By:	Chairman, CEO

On this 19 day of July 2000 before me, a Notary Public, personally appeared <u>Gerald D. Stephens and Camille J. Hensey</u>, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as Chairman, CEO and Corporate Secretary, respectively, of the said RLI INSURANCE COMPANY, and acknowledged said instrument to be the voluntary act and deed of said corporation.

Notary Public

"OFFICIAL SEAL"
CYNTHIA S. DOHM
NOTARY PUBLIC. STATE OF ILLINOIS
MY COMMISSION EXPIRES 02/24/02



Kysar Insurance Agency Inc Check Number: 2411 Insurance Date: 7/13/2006 Check Amt: \$3,188.00 Tran # Invoice Type Balance Discount Pay Amount Date Reference Invoice 06/30/06 Waste Disposal Bond-Renewal 24053 48506 \$770.00 \$770.00 \$0.00 Invoice 06/30/06 Transportation-Renew policy 24056 48519 \$2,418.00 \$0.00 \$2,418.00

Client: YOUNG ENVIRONMENTAL SERVICES dl

Invoice	Effective	Transaction	Description Amount
48506	07/19/2006	Renew policy	Policy #RLB0002253 07/19/2006-07/19/2007 Underwriters Indemnity Bonds - Renew policy 770.00 WASTE DISPOSAL BOND
			ENTERED JUL 0 5 2006
			Value - 24053
			E KYSAR
			ACCT. 77909.09
			APPRIAGE 1 \$770.00
			א לואנייר אמרן א (רפיי
			Total
			770.00

Thank you

Kysar Insurance Agency, Inc.	Date:
(505)325-4561	06/26/2006

01/04

Energy, Minerals and Natural Resources Department Oil Conservation Division

Cash Bond For Waste Management Facilities

(File with Oil Conservation Division, 1220 South Saint Francis, Santa Fe, New Mexico 87505)

That ENVIROTECH INC	(an individual, partnership, or
a corporation organized in the State of New MEXICO	_, with its principal office in the City of
FARMINGTON, State of NEW MEXICO	and authorized to do business in the
State of New Mexico), as PRINCIPAL is firmly bound unto the State	e of New Mexico, for the use and benefit
of the Oil Conservation Division of the Energy, Minerals and Natura the sum of Europe Manual Manual Manual State of Stat	al Resources Department (DIVISION) in
the sum of cyples Those Many 18 8	385.00) Dollars.

The conditions of this obligation are such that:

The PRINCIPAL has heretofore or may hereafter enter into the collection, disposal, evaporation, remediation, reclamation, treatment or storage of produced water, drilling fluids, drill cuttings, completion fluids, contaminated soils, BS&W, tank bottoms, waste oil or other oil field related waste in Section Township 26N, Range 10W, NMPM, Say June County, New Mexico.

NOW, THEREFORE, this \$ 18,385 000 bond is conditioned upon substantial compliance with all applicable statutes of the State of New Mexico and all rules and orders of the DIVISION and the Oil Conservation Commission, and upon clean-up of the facility site to standards of the DIVISION; otherwise the bond is to be forfeited to the Division.

The PRINCIPAL has deposited funds on behalf of the DIVISION in the amount of \$\frac{100}{200} \frac{100}{200} \frac{100}{200}

NOW THEREFORE, if the above PRINCIPAL or its successors, assigns, heirs, administrators or any of them shall properly reclaim and restore the above-described facility site upon cessation of operations and otherwise abide by the rules and orders of the Division, then therefore, this obligation shall be null and void and the principal sum hereof shall be paid to the PRINCIPAL, or its successors, heirs, or administrator; otherwise it shall remain in full force and effect.

Assignment of Cash Collateral Deposit For Bond for Waste Management Facility

Purs	suant to Rule 711 of the Rules of the	ne Oil	Conservation	Division,		
	5796 U.S. HUY 64 FARAL	WASON A	4 87401 (address)	, (herinafter"] has deposited	
	FIRST FEDERAL BANK (name					
or sa	avings institution within the state of New Mexic einafter "Financial Institution"), the sum of	9) of <u>4</u>	301 The WAY	NE ALL	SUQUEADL NM	(address)
dolla	ars in Certificate of Deposit or savings account	No		The	Principal hereby	y assign <mark>s a</mark> nd
	veys all right, title and interest in the deposited fi					
	ision of the Energy, Minerals and Natural Resou State of New Mexico. The Principal and the Fir					
a.	The funds deposited pursuant to the terms of management facility operated by the Principal Control of the Principal Contr		ssignment are t	o serve as a	cash bond cove	ering a waste
b.	The Division acquires by this Assignment th					
	Financial Institution, in writing, to distribut thereto, including the Division itself, in amo					
	the facility covered by this Assignment prov					
	with regarding the waste management facili	ity.				
c.	The Principal retains no legal or beneficial	interest	in the fund an	d has only	the right to inte	erest, if any,
	thereon, and to return of the fund upon wr					
	reclaims the facility site and otherwise abide Commission.	s by the i	ules and order	of the Divis	ion and the Oil (Conservation
	Commission.					
ď.	The Financial Institution agrees that the fund					
	upon written order of the Division or a cour Division is a party. The Financial Institution					
	against the funds.		,			
The F	Principal agrees that the Financial Institution r	may ded	act from intere	st due the	Principal any a	ttorney fees
incurr	red by the Financial Institution if claim or dema					
busin	ess is made upon the Financial Institution.				A /	71
Signe	ed this 19 day of July	, 2 00	6.11	-//	X	
\	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			7/1/	\times	/
Signat	ture of PRINCIPAL gersonally or by	Sig	nature of autho	rized office	er of Financial	
200701	11204 0111001	-	itution		Λ	
e. Line a	PRESIDENT		Vice Pr	eside	w	
Title		Titl				
	If PRINCIPAL is corporation, affix corporate seal					
	\$796 U.S. Huy 64		4301	The 2	5 Way	NE
	FARMINIA, NM 87413		Flouqu	erque	NM	87114
Mailin	ng Address	Mai	ling Address	_	1	-
	A Company of the Comp					

Page 3 of 3		01/04
ACKNOWLED	GMENT FORM FOR NATURAL PERSONS	;
STATE OF)SS. COUNTY OF		
The foregoing instrument was ack	nowledged before me this day of	, <u>2</u> , by
My commission expires:		*
Date	Notary Public	
ACKNOWLEDGMENT FORM F	OR CORPORATION, INCORPORATED AS PARTNERSHIP	SOCIATION OR
STATE OF <u>New Mexico</u>)		
COUNTY OF SAM MAM)	:	
7/	nowledged before me this 19 day of Ul	11. 2 006 hu
Morris D. Mouna	as (title)	//
A COLUMN TO THE RESIDENCE OF THE PARTY OF TH	rurces Inc DBA Envirotech 9	Mc_, a corporation,
Ay commission expires:		
Date Date	Notary Public	
Chely 19, 2006	April & Pohl	
	ENT FORM FOR FINANCIAL INSTITUTION	N
TATE OF NEW Mexico		
OUNTY OF BERNALILLO		
The foregoing instrument was acknown	owledged before me this 13 day of Sulu	2006 m
Ken Nobek	owledged before me this 13th day of July as (title) Vice Predident	2 2 2 40, 09
First Federal Bu	In h	
TIBL FLAGRAL DE	ANC	funancial institution.
y commission expires:	\mathcal{N}_{i} \mathcal{O}_{i} \mathcal{O}_{i}	OFFICIAL
12/26/06	Notary Public	OFFICIAL SEAL DIANA E. PERE
•	TAOLALY FLIDIC	Notary Public State of New Mayi
	му Сс	ommission Expires 12/20

First Federal Bank
4301 The 25 Way NE
Albuquerque, NM 87109
OWNERSHIP OF ACCOUNT - CONSUMER (Select One and Initial):
Single-Party Account Trust-Separate Agreement
Multiple-Party Account
Other
RIGHTS AT DEATH (Select One And Initial):
Single-Party Account
Multiple-Party Account With Right of Survivorship
Multiple-Party Account Without Right of Survivorship
Single-Party Account With Pay On Death
Multiple-Party Account With Right of Survivorship
and Pay On Death
PAY-ON-DEATH BENEFICIARIES: To Add Pay-On-Death Beneficiaries Name One or More:
CHAIRDOURD OF A COOLINE BUILDINGS BUIDDOCE
OWNERSHIP OF ACCOUNT - BUSINESS PURPOSE
☐ SOLE PROPRIETORSHIP
CORPORATION: FOR PROFIT NOT FOR PROFIT
☐ PARTNERSHIP
BUSINESS:
COUNTY & STATE SAN JUAN OF ORGANIZATION: SAN JUAN
AUTHORIZATION DATED: 07/13/06
DATE OPENED 07/13/06 BY B11DIANA
INITIAL DEPOSIT \$ 18,385.00
CASH CHECK X TRANSFER
HOME TELEPHONE #
BUSINESS PHONE # (505) 632-0615
DRIVER'S LICENSE #
E-MAIL
EMPLOYER
MOTHER'S MAIDEN NAME JOHNSON
Name and address of someone who will always know your location:
BACKUP WITHHOLDING CERTIFICATIONS
TIN: 85-0394202
X TAXPAYER I.D. NUMBER - The Taxpayer Identification Number
shown above (TIN) is my correct taxpayer identification number.
BACKUP WITHHOLDING - I am not subject to backup withholding either because I have not been notified that I am
subject to backup withholding as a result of a failure to report all
nterest or dividends, or the Internal Revenue Service has notified me that I am no longer subject to backup withholding.
me that i am no longer subject to backup withholding.
EXEMPT RECIPIENTS - I am an exempt recipient under the nternal Revenue Service Regulations.
SIGNATURE: I certify under penalties of perjury the statements checked in this ection and that I am a U.S. person (including a U.S. resident alien).
morri D. Your 07-18-06

NUMBER	0001470	
ACCOUNT	OWNER(S) NAME & ADDR	ESS
	G ENVIRONMENTAL	SERVICES INC
	US HIGHWAY 64	•
FARM	INGTON NM 87401	Ļ
	⊠ NEW	☐ EXISTING
TYPE OF	CHECKING	☐ SAVINGS
CCOUNT		
	□ now	
	ur (check one):	
🔀 Pe	rmanent 🔲 Tempora	ry account agreement.
umber of	signatures required for w	vithdrawal 1
	SIGNATURE(S) ALLOWED?	☐ YES ☑ NO
•		
X		
ndersigned rms of the Deposit	d also acknowledge the re e following disclosure(s): Account	nave a credit reporting agen ndersigned, as individuals. T eceipt of a copy and agree to t ailability X Truth in Savings
idersigned rms of the Deposit Electron	d also acknowledge the re e following disclosure(s): Account	nave a credit reporting agen ndersigned, as individuals. T eceipt of a copy and agree to t ailability Truth in Savings Privacy Substitute Checks
Deposit Deposit Depos	also acknowledge the restriction of the following disclosure(s): Account Funds Available Fund Transfers Fund Transfers Funds Account Disc	nave a credit reporting agen ndersigned, as individuals. T eceipt of a copy and agree to t ailability Truth in Savings Privacy Substitute Checks losure
Deposit Deposit Depos	dalso acknowledge the restriction for the following disclosure(s): Account Funds Available Funds Transfers	nave a credit reporting agen ndersigned, as individuals. T eceipt of a copy and agree to t ailability Truth in Savings Privacy Substitute Checks losure
dersigned rms of the Deposit Depos	also acknowledge the rest following disclosure(s): Account Funds Available Funds Transfers Funds Account Disc MORRIS YOUNG	nave a credit reporting agent indersigned, as individuals. The eceipt of a copy and agree to the ailability Truth in Savings Privacy Substitute Checks losure
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dersigned rms of the person of	also acknowledge the rest following disclosure(s): Account Funds Available Funds Transfers Funds Account Disc MORRIS YOUNG	nave a credit reporting agent indersigned, as individuals. The eceipt of a copy and agree to the ailability Truth in Savings Privacy Substitute Checks losure
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Deposit Electron Depos I.D. # I.D. # I.D. # ENCY (PO	Also acknowledge the rest of following disclosure(s): Account Funds Available Funds Transfers Fund Transfers Funds Available Funds Transfers Funds Available Funds Fund	nave a credit reporting agen ndersigned, as individuals. To eccipt of a copy and agree to the ailability Truth in Savings Privacy Substitute Checks losure D.O.B. 12/12/43 D.O.B
Deposit Electron Depos I.D. # I.D. # I.D. # I.D. # IENCY (PO	Also acknowledge the rest of following disclosure(s): Account Funds Avaic Fund Transfers Fit Account Disc. MORRIS YOUNG 528-62-9179 VOID WOID OWER OF ATTORNEY) Degration To Account, Name	nave a credit reporting agen ndersigned, as individuals. The second of a copy and agree to the ailability Truth in Savings privacy Substitute Checks closure D.O.B. 12/12/43 D.O.B

YOUR DEPOSIT ACCOUNT TERMS AND CONDITIONS

AGREEMENT - These terms govern the operation of this account unless varied or supplemented in writing. Unless it would be inconsistent to do so, words and phrases used in this document should be construed so that the singular includes the plural and the plural includes the singular. As used in this form, the words "we," "our," or "us" mean the financial institution and the words "you" or "your" mean the account holder(s). "Party" means a person who, by the terms of an account, has a present right, subject to request, to payment from the account other than as a beneficiary or agent. This account may not be transferred or assigned without our written consent.

Page 1 will show whether this account is a consumer or business account. A consumer is a natural person who holds an account primarily for personal, family or household purposes.

Much of our relationship with our deposit customers is regulated by state and federal law, especially the law relating to negotiable instruments, the law regulating the methods of transferring property upon death and the rights of surviving spouses and dependents, the law pertaining to estate and other succession taxes, the law regarding electronic funds transfer, and the law regarding the availability of deposited funds. This body of law is too large and complex to be reproduced here.

The purpose of this form is to:

- (1) summarize the rules applicable to the more common transactions;
- (2) establish rules to govern transactions or circumstances which the law does not regulate; and
- (3) establish rules for certain events or transactions which the law already regulates but permits variation by agreement.

We may permit some variations from this standard agreement, but any such variations must be agreed to in writing either on our signature card for the account or in some other written form.

LIABILITY - Each of you agrees, for yourself (and the person or entity you represent if you sign as a representative of another) to the terms of this account and the schedule of charges that may be imposed. You authorize us to deduct these charges as accrued directly from the account balance. You also agree to pay additional reasonable charges we may impose for services you request which are not contemplated by this agreement. Each of you also agrees to be jointly and severally liable for any account deficit resulting from charges or overdrafts, whether caused by you or another authorized to withdraw from this account, and the costs we incur to collect the deficit including, to the extent permitted by law, our reasonable attorneys' fees.

DEPOSITS - Any items, other than cash, accepted for deposit (including items

DEPOSITS - Any items, other than cash, accepted for deposit (including items drawn "on us") will be given provisional credit only until collection is final (and actual credit for deposits of, or payable in, foreign currency will be at the exchange rate in effect on final collection in U.S. dollars). Unless otherwise disclosed, interest on non-consumer accounts will be paid only on collected funds, subject to minimum balance or other limitations, if any. We are not responsible for transactions initiated by mail or outside depository until we actually record them. All transactions received after our "daily cut-off time" on a business day we are open, or received on a day in which we are not open for business, will be treated and recorded as if initiated on the next following business day that we are open. Time or savings account deposits will be repaid to depositors under regulations adopted by our board of directors from time to time. These regulations will be available for inspection by you upon your request.

WITHDRAWALS - Unless otherwise clearly indicated on the account records,

any one of you who signs this form including authorized signers, may withdraw or transfer all or any part of the account balance at any time on forms approved by us. Each of you (until we receive written notice to the contrary) authorizes each other person signing this form to endorse any item payable to you or your order for deposit to this account or any other transaction with us. We may charge against your account a check, even though payment was made before the date of the check, unless you have given us written notice of the postdating. The fact that we may honor withdrawal requests which overdraw the finally collected account balance does not obligate us to do so, unless required by law. Withdrawals will first be made from collected funds, and we may, unless prohibited by law or our written policy, refuse any withdrawal request against uncollected funds, even if our general practice is to the contrary. We reserve the right to refuse any withdrawal or transfer request which is attempted by any method not specifically permitted, which is for an amount less than any minimum withdrawal requirement, or which exceeds any frequency limitation. Even if we honor a nonconforming request, repeated abuse of the stated limitations (if any) may eventually force us to close this account. We will use the date a transaction is completed by us (as opposed to the day you initiate it) to apply the frequency limitations. On interest-bearing accounts other than time deposits, we reserve the right to require at least seven days' written notice before any withdrawal or transfer. Withdrawals from a time deposit prior to maturity or prior to the expiration of any notice period may be restricted and may be subject to penalty. See your notice of penalties for early withdrawal.

ACH AND WIRE TRANSFERS - This agreement is subject to Article 4A of the Uniform Commercial Code in the state in which you have your account with us. If you originate a fund transfer for which Fedwire is used, and you identify by name and number a beneficiary financial institution, an intermediary financial institution or a beneficiary, we and every receiving or beneficiary financial institution may rely on the identifying number to make payment. We may rely on the number even if it identifies a financial institution, person or account other than the one named. You agree to be bound by automated clearing house association rules. These rules provide, among other things, that payments made to you, or originated by you, are provisional until final settlement is made through a Federal Reserve Bank or payment is otherwise made as provided in Article 4A-403(a) of the Uniform Commercial Code. If we do not receive such payment, we are entitled to a refund from you in the amount credited to your account and the party originating such payment will not be considered to have paid the amount so credited. If we receive a credit to an account you have with us by wire or

ACH, we are not required to give you any notice of the payment order or credit.

OWNERSHIP OF ACCOUNT - You intend these rules to apply to this account depending on the form of ownership and beneficiary designation, if any, specified on page 1. We make no representations as to the appropriateness or effect of the ownership and beneficiary designations, except as they determine to whom we pay the account funds. Single Party Account - Such an account is owned by one party. Multiple Party Account - Parties own the account in proportion to their net contributions unless there is clear and convincing evidence of a different intent. Corporate, Partnership, and other Organizational Accounts - We reserve the right to require the governing body of the legal entity to give us a separate authorization telling us who is authorized to act on its behalf. We will honor such an authorization until we actually receive written notice of a change from the governing body.

actually receive written notice of a change from the governing body. RIGHTS AT DEATH - Single Party Account - At death of party, ownership passes as part of party's estate. Multiple Party Account With Right of Survivorship - At death of party, ownership passes to surviving parties. If two or more parties survive and one is the surviving spouse of the deceased party, the amount to which the deceased party, immediately before death, was beneficially entitled by law belongs to the surviving spouse. If two or more parties survive and none is the spouse of the decedent, the amount to which the deceased party, immediately before death, was beneficially entitled by law belongs to the surviving parties in equal shares. Multiple Party Account Without Right of Survivorship - At death of party, deceased party's ownership passes as part of deceased party's estate. Single Party Account With POD (Pay-on-Death) Designation - At death of party, ownership passes to POD beneficiaries and is not part of party's estate. Multiple Party Accounts With Right of Survivorship and POD (Pay-on-Death) Designation - At death of last surviving party, ownership passes to POD beneficiaries and is not part of last surviving party's estate.

STOP-PAYMENTS - A stop-payment order must be given in the manner required by law and must be received in time to give us a reasonable opportunity to act on it before our stop-payment cut-off time. Our stop-payment cut-off time is one hour after the opening of the next banking day after the banking day on which we receive the item. Additional limitations on our obligation to stop-payment are provided by law. A stop-payment order must precisely identify the number, date and amount of the item, and the payee. We will honor a stop-payment request by the person who signed the particular item, and, by any other person, even though such other person did not sign the item, if such other person has an equal or greater right to withdraw from this account than the person who signed the item in question. A release of the stop-payment request may be made only by the person who initiated the stop-payment.

the person who initiated the stop-payment.

AMENDMENTS AND TERMINATION - We may change any term of this agreement. Rules governing changes in interest rates have been provided separately. For other changes we will give you reasonable notice in writing or by any other method permitted by law. We may also close this account at any time upon reasonable notice to you and tender of the account balance personally or by mail. Notice from us to any one of you is notice to all of you.

STATEMENTS - You must examine your statement of account with "reasonable promptness." If you discover (or reasonably should have discovered) any unauthorized payments or alterations, you must promptly notify us of the relevant facts. If you fail to do either of these duties, you will have to either share the loss with us, or bear the loss entirely yourself (depending on whether we exercised ordinary care and, if not, whether we substantially contributed to the loss). The loss could be not only with respect to items on the statement but other items forged or altered by the same wrongdoer. You agree that the time you have to examine your statement and report to us will depend on the circumstances, but that such time will not, in any circumstance, exceed a total of 30 days from when the statement is first made available to you.

You further agree that if you fail to report any unauthorized signatures, alterations, forgeries or any other errors in your account within 60 days of when we make the statement available, you cannot assert a claim against us on any items in that statement, and the loss will be entirely yours. This 60 day limitation is without regard to whether we exercised ordinary care. The limitation in this paragraph is in addition to that contained in the first paragraph of this section.

DIRECT DEPOSITS - If, in connection with a direct deposit plan, we deposit any amount in this account which should have been returned to the Federal Government for any reason, you authorize us to deduct the amount of our liability to the Federal Government from this account or from any other account you have with us, without prior notice and at any time, except as prohibited by law. We may also use any other legal remedy to recover the amount of our liability.

amount of our liability.

TEMPORARY ACCOUNT AGREEMENT - If this option is selected, we may restrict or prohibit further use of this account if you fail to comply with the requirements we have imposed within a reasonable time.

SET-OFF - You each agree that we may (without prior notice and when permitted by law) set off the funds in this account against any due and payable debt owed to us now or in the future, by any of you having the right of withdrawal, to the extent of such persons' or legal entity's right to withdraw. If the debt arises from a note, "any due and payable debt" includes the total amount of which we are entitled to demand payment under the terms of the note at the time we set off, including any balance the due to date for which we properly accelerate under the note. This right of set-off does not apply to this account if: (a) it is an Individual Retirement Account or other tax-deferred retirement account, or (b) the debt is created by a consumer credit transaction under a credit card plan, or (c) the debtor's right of withdrawal arises only in a representative capacity. We will not be liable for the dishonor of any check when the dishonor occurs because we set off a debt against this account. You agree to hold us harmless from any claim arising as a result of our exercise of our right of set-off.

arising as a result of our exercise of our right of set-off.

AGENCY (POWER OF ATTORNEY) DESIGNATION - An agent is someone you designate to conduct transactions on your behalf, but does not have any ownership or rights at death unless named as a Pay-on-Death beneficiary.



First Federal Bank 4301 The 25 Way NE Albuquerque, NM 87109 By: YOUNG ENVIRONMENTAL SERVICES 5796 US HIGHWAY 64 FARMINGTON NM 87401

Referred	to ir	ı this	document	as	"Financial	Institution"

Referred to in this document as "Corporation"

, MORRIS Y	OUN	G, c	ertify that I a	am Secreta	ry (clerk) of the above	named corporation orga	nized under the laws o
NEW MEXI						_, engaged in business u	
		ONMENTAL SERVICES of the Board of Directors of the Corp		, and that	the resolutions on this	document are a correct	
	-	of the Board of Directors of the Corp ear in the minutes of this meeting an				07/13/00	(date)
		listed below, subject to any written li				rs granted as indicated b	elow:
	N	ame and Title or Position			Signature	Facs	imile Signature (if used)
MORRIS Y	OUN	G PRESIDENT	>	m,	onis D. Your	~ ×	
			>	<		<i>[</i>]	
			X	(x	
						x	
•						x	
•				,		^	
		Attach one or more Agents to each		nlacing the			
		indicate the number of Agent signatu				to their marrie in the are	sa before each power.
adicate A, B, C,	Des	scription of Power					Indicate number of signatures required
E	_ (1)	Exercise all of the powers listed in	this resolutio	on.			
. V	(2)	Open any deposit or share account	(s) in the nar	ne of the (Corporation		
	,	appear of a final document	(0) (1) (1)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	·		
:	(3)	Endorse checks and orders for the with this Financial Institution.	payment of r	money or o	therwise withdraw or	transfer funds on deposi	
<u> </u>	(4)	Borrow money on behalf and in the or other evidences of indebtedness.		Corporation	on, sign, execute and	deliver promissory notes	
:	(5)	Endorse, assign, transfer, mortgage bonds, real estate or other property security for sums borrowed, and to received, negotiated or discounted anotice of non-payment.	now owned	l or hereaft same, un	er owned or acquired conditionally guarante	by the Corporation as a payment of all bills	
	(6)	Enter into a written lease for the pu Deposit Box in this Financial Institut		ting, maint	aining, accessing and	terminating a Safe *	
	(7)	Other					
e. ali							
γ. 							
MITATIONS ON	POW	ERS The following are the Corporati	on's express	limitations	on the powers grante	ed under this resolution.	
					07/12/06		
TIFICATION Of the state of the control of the resolution of the resolution of the control of the	F AU at the	Board of Directors of the Corporation page 2 and to confer the powers	on has, and a	at the time	of adoption of this res	olution had, full power a	nd lawful authority to
		elow where appropriate.) oration is a non-profit corporation.	In Witnes	s Whereof.	I have subscribed m	y name to this document	and affixed the seal
	·	·		rporation of		ΨA _ 1 . 2 . 4	7/18/06 (date).
			Attest by	One Other	Officer	- YKKUK Seco	11-2 etary
IM @ 1005	1007	Rankare Systems Inc. St. Cloud, MNI Form CA		1/			(page 1 of 2)

RESOLUTIONS

The Corporation named on this resolution resolves that,

- (1) The Financial Institution is designated as a depository for the funds of the Corporation and to provide other financial accommodations indicated in this resolution.
- (2) This resolution shall continue to have effect until express written notice of its rescission or modification has been received and recorded by the Financial Institution. Any and all prior resolutions adopted by the Board of Directors of the Corporation and certified to the Financial Institution as governing the operation of this corporation's account(s), are in full force and effect, until the Financial Institution receives and acknowledges an express written notice of its revocation, modification or replacement. Any revocation, modification or replacement of a resolution must be accompanied by documentation, satisfactory to the Financial Institution, establishing the authority for the changes.
- (3) The signature of an Agent on this resolution is conclusive evidence of their authority to act on behalf of the Corporation. Any Agent, so long as they act in a representative capacity as an Agent of the Corporation, is authorized to make any and all other contracts, agreements, stipulations and orders which they may deem advisable for the effective exercise of the powers indicated on page one, from time to time with the Financial Institution, subject to any restrictions on this resolution or otherwise agreed to in writing.
- (4) All transactions, if any, with respect to any deposits, withdrawals, rediscounts and borrowings by or on behalf of the Corporation with the Financial Institution prior to the adoption of this resolution are hereby ratified, approved and confirmed.
- (5) The Corporation agrees to the terms and conditions of any account agreement, properly opened by any Agent of the Corporation. The Corporation authorizes the Financial Institution, at any time, to charge the Corporation for all checks, drafts, or other orders, for the payment of money, that are drawn on the Financial Institution, so long as they contain the required number of signatures for this purpose.
- (6) The Corporation acknowledges and agrees that the Financial Institution may furnish at its discretion automated access devices to Agents of the Corporation to facilitate those powers authorized by this resolution or other resolutions in effect at the time of issuance. The term "automated access device" includes, but is not limited to, credit cards, automated teller machines (ATM), and debit cards.
- (7) The Corporation acknowledges and agrees that the Financial Institution may rely on alternative signature and verification codes issued to or obtained from the Agent named on this resolution. The term "alternative signature and verification codes" includes, but is not limited to, facsimile signatures on file with the Financial Institution, personal identification numbers (PIN), and digital signatures. If a facsimile signature specimen has been provided on this resolution, (or that are filed separately by the Corporation with the Financial Institution from time to time) the Financial Institution is authorized to treat the facsimile signature as the signature of the Agent(s) regardless of by whom or by what means the facsimile signature may have been affixed so long as it resembles the facsimile signature specimen on file. The Corporation authorizes each Agent to have custody of the Corporation's private key used to create a digital signature and to request issuance of a certificate listing the corresponding public key. The Financial Institution shall have no responsibility or liability for unauthorized use of alternative signature and verification codes unless otherwise agreed in writing.

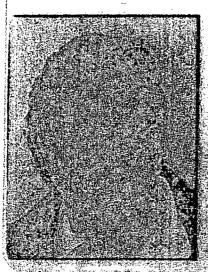
Pennsylvania. The designation of an Agent does not create a power of attorney; therefore, Agents are not subject to the provisions of 20 Pa.C.S.A. Section 5601 et seq. (Chapter 56; Decedents, Estates and Fiduciaries Code) unless the agency was created by a separate power of attorney. Any provision that assigns Financial Institution rights to act on behalf of any person or entity is not subject to the provisions of 20 Pa.C.S.A. Section 5601 et seq. (Chapter 56; Decedents, Estates and Fiduciaries Code).

et seq. (Chapter 56; Decedents, Estates and Fiduciaries Code).						
FOR FINANCIAL INSTITUTION USE ONLY						
Acknowledged and received on (date) by (initials) This resolution is superseded by resolution dated						
Comments:						





030378865 Expires 01/12/2011



MORRIS D YOUNG 24 ROAD 5150

BLOOMFIELD

SEX M HEIGHT \$11

ISSUED 01/113/2003

ENDORSEMENTS

NM 87413

WEIGHT 230 EYES HAZ

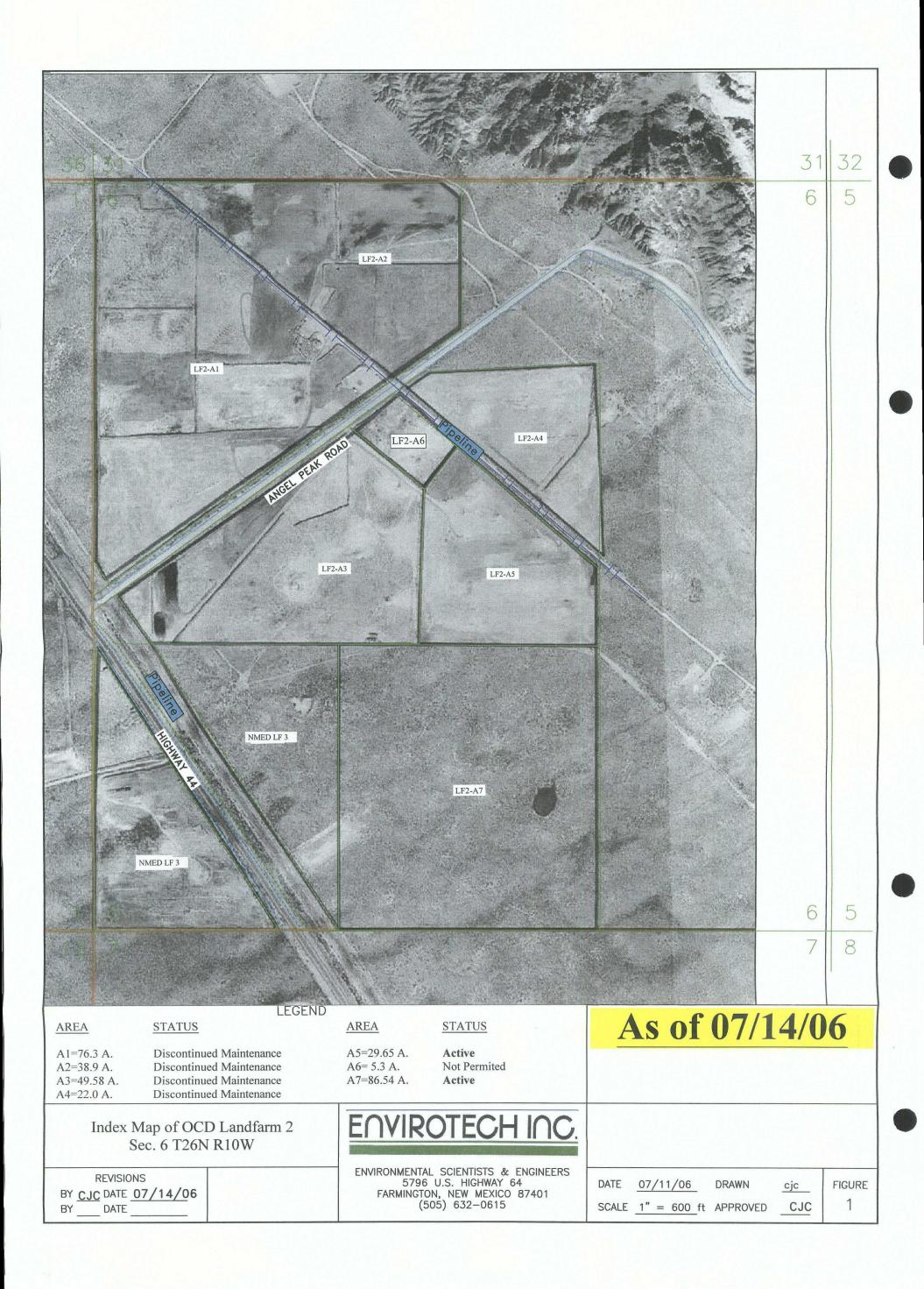
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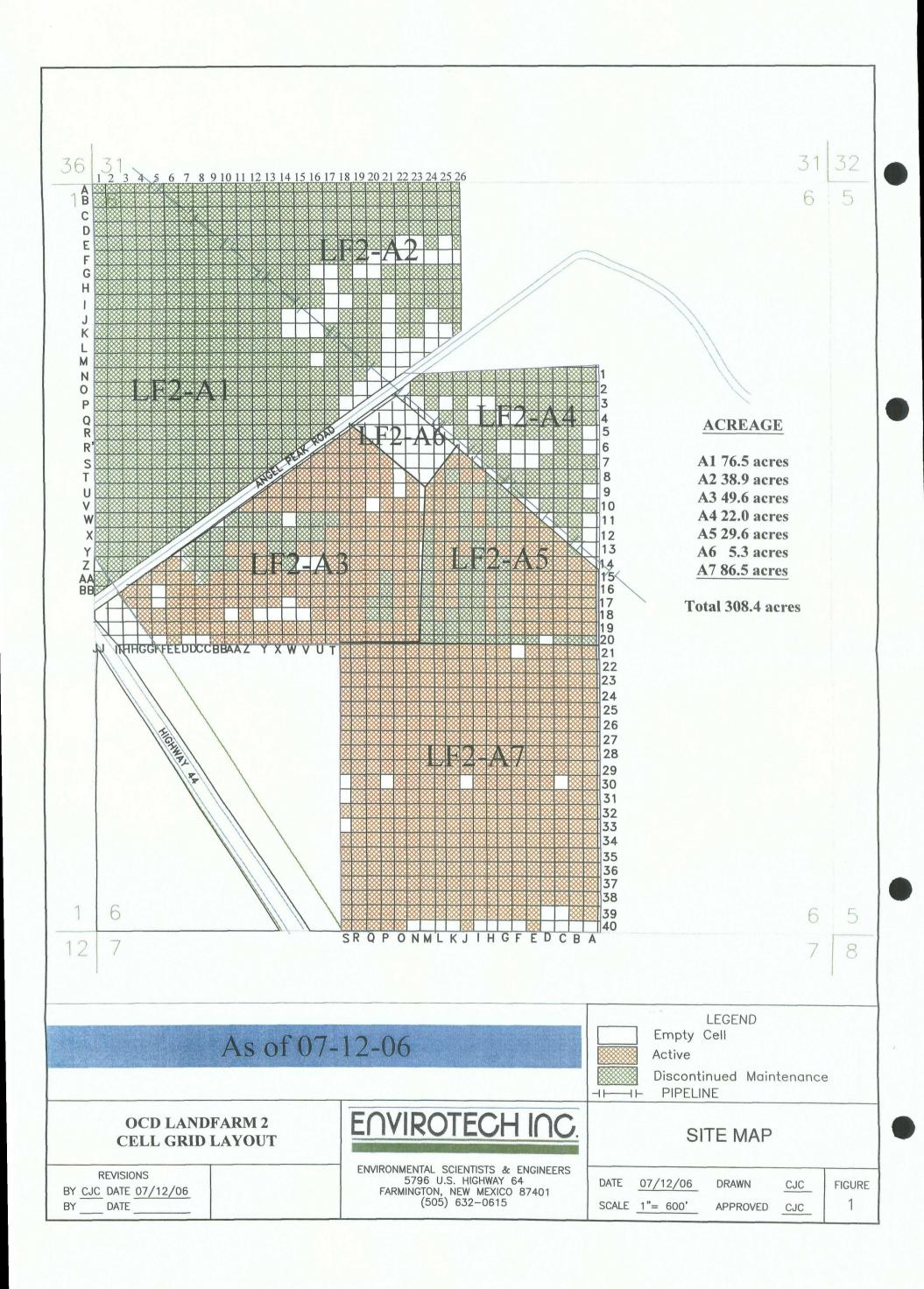
RESTRICTIONS

m=9/9-7-

Qate of Birth 12/12/1943

AM AN ORGAN DONOR-







July 18, 2006

Mr. Edwin Martin State of New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

PERMIT NM-01-0011

Dear Mr. Martin,

Envirotech, Inc. respectfully submits background sampling results for Envirotech Soil Remediation Facility (ESRF), Landfarm # 2 Unit 5, Hilltop, New Mexico. Enclosed are the first quarter background samples for 2006.

The following is a list of the twenty-three cells sampled at a depth of 24"-36" below the treatment zone.

Cells: O-13, P-8, Q-28, R-10, R-17, R-36, S-7, S-16, W-11, BB-16, A-21, B-36, D-24, F-35, H-22, I-28, K-25, L-35, N-18, N-22, CC-16, EE-19 and GG-15.

Should you have any questions or require additional information, please do not hesitate to contact me at (505) 632-0615.

Respectfully submitted, **Envirotech, Inc.**

/ 'Wuster m () alters
Christine M. Walters

Laboratory Coordinator / Environmental Scientist

CMW/cmw





			*
Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell A-21	Date Reported:	03-26-06
Laboratory Number:	36540	Date Sampled:	03-22-06
Chain of Custody No:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-26-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Alexan C. Copinson

Minter Walter Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell B-36	Date Reported:	03-26-06
Laboratory Number:	36541	Date Sampled:	03-22-06
Chain of Custody No:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-26-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. afun

Misteren Wadles
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell D-24	Date Reported:	03-26-06
Laboratory Number:	36542	Date Sampled:	03-22-06
Chain of Custody No:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-26-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mister Waeter Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell F-35	Date Reported:	03-26-06
Laboratory Number:	36543	Date Sampled:	03-22-06
Chain of Custody No:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-26-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell H-22	Date Reported:	03-26-06
Laboratory Number:	36544	Date Sampled:	03-22-06
Chain of Custody No:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-26-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst P. Charles

Mustine m Walters
Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell I-28	Date Reported:	03-26-06
Laboratory Number:	36545	Date Sampled:	03-22-06
Chain of Custody No:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-26-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Alexan C. Officer

(Musture m Walters
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell K-25	Date Reported:	03-26-06
Laboratory Number:	36546	Date Sampled:	03-22-06
Chain of Custody No:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-26-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst C. Column

Review Walter





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell L-35	Date Reported:	03-26-06
Laboratory Number:	36547	Date Sampled:	03-22-06
Chain of Custody No:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-26-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst P. Officer

Mistare m Walters
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell N-18	Date Reported:	03-26-06
Laboratory Number:	36548	Date Sampled:	03-22-06
Chain of Custody No:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-26-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst P. Church

A Mistine m Walters
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell N-22	Date Reported:	03-26-06
Laboratory Number:	36549	Date Sampled:	03-22-06
Chain of Custody No:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-26-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Aller C. Green

Mistrem Walters
Review





Quality Assurance Report

0.10%

0 - 15%

Client:	QA/QC	Project #:	N/A
Sample ID:	03-26-06 QA/QC	Date Reported:	03-26-06
Laboratory Number:	36540	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-26-06
Condition:	N/A	Analysis Requested:	TPH
and the second of	I-Cal Date I-Cal I	RF: C-Cal RF: % Differe	nce Accept, Range

1.0049E+003 1.0059E+003

Diesel Range C10 - C28	02-04-05	9.9603E+002	9.9803E+002	0.20%	0 - 15%
Blank Conc. (mg/L - mg/Kg)		Concentration	in the second	Detection Limit	
Gasoline Range C5 - C10		ND		0.2	
DiI D 040 000		AID		0.4	

Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

02-04-05

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:

Gasoline Range C5 - C10

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 36540 - 36549.

Analyst

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Client:	Envirotech Inc	Project #:	
Sample ID:	Cell A-21	Date Reported:	03-26-06
Laboratory Number:	36540	Date Sampled:	03-22-06
Chain of Custody:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-26-06
Preservative:	Cool	Date Extracted:	03-24-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	·	Det.	
	Concentration	Limit	
Parameter	(ug/Kg)	(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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell B-36	Date Reported:	03-26-06
Laboratory Number:	36541	Date Sampled:	03-22-06
Chain of Custody:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-26-06
Preservative:	Cool	Date Extracted:	03-24-06
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	22.9	2.2	
o-Xylene	16.7	1.0	
Total BTEX	39.6		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Analyst

Mistine Muelters
Review





Client;	Envirotech Inc	Project #:	
Sample ID:	Cell D-24	Date Reported:	03-26-06
Laboratory Number:	36542	Date Sampled:	03-22-06
Chain of Custody:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-26-06
Preservative:	Cool	Date Extracted:	03-24-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
	(43)3/	(-3/-13/	
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Analyst

Review Madles





		•	
Client:	Envirotech Inc	Project #:	
Sample ID:	Cell F-35	Date Reported:	03-26-06
Laboratory Number:	36543	Date Sampled:	03-22-06
Chain of Custody:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-26-06
Preservative:	Cool	Date Extracted:	03-24-06
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	38.9	2.2	
o-Xylene	ND	1.0	
Total BTEX	38.9		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell H-22	Date Reported:	03-26-06
Laboratory Number:	36544	Date Sampled:	03-22-06
Chain of Custody:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-26-06
Preservative:	Cool	Date Extracted:	03-24-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

D	Concentration	Det. Limit
Parameter	(ug/Kg)	(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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell I-28	Date Reported:	03-26-06
Laboratory Number:	36545	Date Sampled:	03-22-06
Chain of Custody:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-26-06
Preservative:	Cool	Date Extracted:	03-24-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Analyst

Mustine m Walter





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell K-25	Date Reported:	03-26-06
Laboratory Number:	36546	Date Sampled:	03-22-06
Chain of Custody:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-26-06
Preservative:	Cool	Date Extracted:	03-24-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.	
	Concentration	Limit	
Parameter	(ug/Kg)	(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
Victoria de la companya del companya de la companya del companya de la companya d	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Allen C. Gr

deview





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell L-35	Date Reported:	03-26-06
Laboratory Number:	36547	Date Sampled:	03-22-06
Chain of Custody:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-26-06
Preservative:	Cool	Date Extracted:	03-24-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
_	Concentration	Limit	
Parameter	(ug/Kg)	(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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Allen T. Upla

Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell N-18	Date Reported:	03-26-06
Laboratory Number:	36548	Date Sampled:	03-22-06
Chain of Custody:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-26-06
Preservative:	Cool	Date Extracted:	03-24-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
	(#3/1.3/	(49/1/9/
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Alexa P. Churcan

Musteren Waeters
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell N-22	Date Reported:	03-26-06
Laboratory Number:	36549	Date Sampled:	03-22-06
Chain of Custody:	15727	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-26-06
Preservative:	Cool	Date Extracted:	03-24-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
T didinotoi	(49.1.9)	(49/119/	
Benzene	ND	1.8	
Toluene	ND	1.7	
Ethylbenzene	ND	1.5	
p,m-Xylene	7.2	2.2	
o-Xylene	ND	1.0	
Total BTEX	7.2		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Allen C. Oxfuren

Mister m Walter





Client:	N/A	Project #:	N/A
Sample ID:	03-26-BTEX QA/QC	Date Reported:	03-26-06
Laboratory Number:	36540	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-26-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept. Rang	%Diff. je 0 - 15%	Blank Conc	Detect.
Benzene	1.0703E+008	1.0725E+008	0.2%	ND	0.2
Toluene	1.8448E+008	1.8485E+008	0.2%	ND	0.2
Ethylbenzene	6.2688E+007	6.2814E+007	0.2%	ND	0.2
p,m-Xylene	1.7381E+008	1.7416E+008	0.2%	ND	0.2
o-Xylene	7.6899E+007	7.7054E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Du	plicate	%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 Amo	unt Spiked Spik	ed 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 36540 - 36549.

Analyst

Ręview

CHAIN OF CUSTODY RECORD

Client / Project Name	1 -	5+19	ANALYSIS / PARAMETERS	AAMETERS
Covironten In	ファキスト	Back ground		
Sampler:	Client No.			Remarks
Theo Naz	4/2		o, of S S S S S	1
Sample No./ Sample Sample Identification Date Time	Lab Number	Sample Matrix		Bocksom & Sample
Cell A-21 3/22/06	34540	عاثدي	/ /	24"-36" belou
Cold B-36	34541		\ \ -	treatment zone -
Call D-24	36542		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Call F-35	36543		\ \ \	
Ceas H-22	34544		\ \ -	
Con 7-28	34545	:		
Ceed K-25	3 le S4 la		\ \ -	
Cul 1-35	34547		\ \ -	
Ceep N-18	34548		> -	
(22 N-22	36549	+	\ \ -	
Relinquished by: (Signature)		Time	Regeived by: (Signature)	
	<u>,</u>	25/00/1700/2/	Wathern Walter	3/22/04 1700
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		5796 U.S. Highway 64 Farmington, New Mexico 87401	ıway 64 exico 87401	Received Intact
		(505) 632-0615	0615	Cool - Ice/Blue Ice
				Out of the state o





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell O-13	Date Reported:	04-01-06
Laboratory Number:	36550	Date Sampled:	03-22-06
Chain of Custody No:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-27-06
Preservative:	Cool	Date Analyzed:	04-01-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mustere Mulactes
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell P-8	Date Reported:	04-01-06
Laboratory Number:	36551	Date Sampled:	03-22-06
Chain of Custody No:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-27-06
Preservative:	Cool	Date Analyzed:	04-01-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Aller C. Coffee

Mistimem Walters Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell Q-28	Date Reported:	04-01-06
Laboratory Number:	36552	Date Sampled:	03-22-06
Chain of Custody No:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-27-06
Preservative:	Cool	Date Analyzed:	04-01-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mustine m Walter Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell R-10	Date Reported:	04-01-06
Laboratory Number:	36553	Date Sampled:	03-22-06
Chain of Custody No:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-27-06
Preservative:	Cool	Date Analyzed:	04-01-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

(Mistane of Walter Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell R-17	Date Reported:	04-01-06
Laboratory Number:	36554	Date Sampled:	03-22-06
Chain of Custody No:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-27-06
Preservative:	Cool	Date Analyzed:	04-01-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell R-36	Date Reported:	04-01-06
Laboratory Number:	36555	Date Sampled:	03-22-06
Chain of Custody No:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-27-06
Preservative:	Cool	Date Analyzed:	04-01-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mistine m Walles
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell S-7	Date Reported:	04-01-06
Laboratory Number:	36556	Date Sampled:	03-22-06
Chain of Custody No:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-27-06
Preservative:	Cool	Date Analyzed:	04-01-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst P. Ophum

Mustine m Walter Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell S-16	Date Reported:	04-01-06
Laboratory Number:	36557	Date Sampled:	03-22-06
Chain of Custody No:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-27-06
Preservative:	Cool	Date Analyzed:	04-01-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mistine M Watles
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell W-11	Date Reported:	04-01-06
Laboratory Number:	36558	Date Sampled:	03-22-06
Chain of Custody No:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-27-06
Preservative:	Cool	Date Analyzed:	04-01-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mistine m Walles
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell BB-16	Date Reported:	04-01-06
Laboratory Number:	36559	Date Sampled:	03-22-06
Chain of Custody No:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-27-06
Preservative:	Cool	Date Analyzed:	04-01-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Allen C. Africa

/ Misture m Wartles
Review





Quality Assurance Report

Client: Sample ID: Laboratory Number:	QA/QC 04-01-06 QA/QC 36550	Project #: Date Reported: Date Sampled:	N/A 04-01-06 N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-01-06
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	ND	NĐ	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 36550 - 36559.

Analyst German





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell O-13	Date Reported:	04-01-06
Laboratory Number:	36550	Date Sampled:	03-22-06
Chain of Custody:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	04-01-06
Preservative:	Cool	Date Extracted:	03-27-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
i arameter	(dg/itg/	(49/119)	
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mustine m Walters
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell P-8	Date Reported:	04-01-06
Laboratory Number:	36551	Date Sampled:	03-22-06
Chain of Custody:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	04-01-06
Preservative:	Cool	Date Extracted:	03-27-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det.	
Parameter	Concentration (ug/Kg)	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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Aleen t. Commander

Mistere n Walles
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell Q-28	Date Reported:	04-01-06
Laboratory Number:	36552	Date Sampled:	03-22-06
Chain of Custody:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	04-01-06
Preservative:	Cool	Date Extracted:	03-27-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit	
Parameter	(ug/Kg)	(ug/Kg)	
Benzene	ND	1.8	
Toluene	8.0	1.7	
Ethylbenzene	ND	1.5	
p,m-Xylene	ND	2.2	
o-Xylene	ND	1.0	
Total BTEX	8.0		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell R-10	Date Reported:	04-01-06
Laboratory Number:	36553	Date Sampled:	03-22-06
Chain of Custody:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	04-01-06
Preservative:	Cool	Date Extracted:	03-27-06
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
o,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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst . Cla





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell R-17	Date Reported:	04-01-06
Laboratory Number:	36554	Date Sampled:	03-22-06
Chain of Custody:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	04-01-06
Preservative:	Cool	Date Extracted:	03-27-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

~ 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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell R-36	Date Reported:	04-01-06
Laboratory Number:	36555	Date Sampled:	03-22-06
Chain of Custody:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	04-01-06
Preservative:	Cool	Date Extracted:	03-27-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mustine m Walters
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell S-7	Date Reported:	04-01-06
Laboratory Number:	36556	Date Sampled:	03-22-06
Chain of Custody:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	04-01-06
Preservative:	Cool	Date Extracted:	03-27-06
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochiorobenzene	97.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell S-16	Date Reported:	04-01-06
Laboratory Number:	36557	Date Sampled:	03-22-06
Chain of Custody:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	04-01-06
Preservative:	Cool	Date Extracted:	03-27-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
Darameter	Concentration	Limit	
Parameter	(ug/Kg)	(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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mistane m Walles
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell W-11	Date Reported:	04-01-06
Laboratory Number:	36558	Date Sampled:	03-22-06
Chain of Custody:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	04-01-06
Preservative:	Cool	Date Extracted:	03-27-06
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mistare m Waeters
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell BB-16	Date Reported:	04-01-06
Laboratory Number:	36559	Date Sampled:	03-22-06
Chain of Custody:	15728	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	04-01-06
Preservative:	Cool	Date Extracted:	03-27-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
	(3 3	(0 0	
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mustere m Wasters





Client:	N/A	Project #: Date Reported: Date Sampled:	N/A
Sample ID:	04-01-BTEX QA/QC		04-01-06
Laboratory Number:	36550		N/A
Sample Matrix: Preservative: Condition:	Soil	Date Received:	N/A
	N/A	Date Analyzed:	04-01-06
	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	l-Cal RF:	C-Cal RF: Accept, Rang	%Diff. ge 0 - 15%	Blank Conc	Detect. Limit
Benzene	2.6587E+007	2.6640E+007	0.2%	ND	0.2
Toluene	2.4090E+007	2.4139E+007	0.2%	ND	0.2
Ethylbenzene	1.4201E+007	1.4229E+007	0.2%	ND	0.2
p,m-Xylene	4.3794E+007	4.3881E+007	0.2%	ND	0.2
o-Xylene	1.9578E+007	1.9617E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Dup	olicate	%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 Amo	ount Spiked Spik	ked 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	50.0	100.0%	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 36550 - 36559.

Analyst

/ Mustine of Walter
Review

CHAN OF CUSTODY DECORD

Client / Project Name	Project Location	-		
Frieden Inc	LF#2 Real	0 L M	ANALYSIS / F	ANALYSIS / PARAMETERS
Sampler:		in the state of th	ıs	Remarks
I has Nez	Z/A	₹		15+ 15-15-15
Sample No./ Sample Sample Identification Date Time	Lab Number	Sample Matrix	NG Cont 80 13 Est	Por Ka Mind
CUR 0-13 3/22/06	34550	Soil	\ \ \ -	Samples 24".
Cult P-8	36551			below trectort
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Cede W-1	34558		\ \ -	
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		(505) 632-0615	2-0615	Cool - Ice/Blue Ice
				san juan reproduction 578-129





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell CC-16	Date Reported:	03-27-06
Laboratory Number:	36560	Date Sampled:	03-22-06
Chain of Custody No:	15729	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-27-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Misture m Waster





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell EE-19	Date Reported:	03-27-06
Laboratory Number:	36561	Date Sampled:	03-22-06
Chain of Custody No:	15729	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-27-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst

Mister Walter Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell GG-15	Date Reported:	03-27-06
Laboratory Number:	36562	Date Sampled:	03-22-06
Chain of Custody No:	15729	Date Received:	03-22-06
Sample Matrix:	Soil	Date Extracted:	03-24-06
Preservative:	Cool	Date Analyzed:	03-27-06
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)	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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample 24"-36" below treatment zone.

Analyst Column

Mistere Mucheles
Review





Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	03-27-06 QA/QC	Date Reported:	03-27 - 06
Laboratory Number:	36560	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-27-06
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	1.0016E+003	1.0026E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	9.9669E+002	9.9869E+002	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	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 36560 - 36562, 36598 - 36600, 36604 - 36606.

Analyst





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell CC-16	Date Reported:	03-27-06
Laboratory Number:	36560	Date Sampled:	03-22-06
Chain of Custody:	15729	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-27-06
Preservative:	Cool	Date Extracted:	03-24-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit
Parameter	(ug/Kg)	(ug/Kg)
Benzene	ND .	1.8
Toluene	16.6	1.7
Ethylbenzene	7.2	1.5
p,m-Xylene	28.5	2.2
o-Xylene	13.3	1.0
Total BTEX	65.6	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Analyst

Review Walles





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell EE-19	Date Reported:	03-27-06
Laboratory Number:	36561	Date Sampled:	03-22-06
Chain of Custody:	15729	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-27-06
Preservative:	Cool	Date Extracted:	03-24-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
D (Concentration	Limit	
Parameter	(ug/Kg)	(ug/Kg)	
Benzene	ND	1.8	
Toluene	1.8	1.7	
Ethylbenzene	8.8	1.5	
p,m-Xylene	46.7	2.2	
o-Xylene	26.4	1.0	
Total BTEX	83.7		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Analyst

'Nustine m) Wal





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell GG-15	Date Reported:	03-27-06
Laboratory Number:	36562	Date Sampled:	03-22-06
Chain of Custody:	15729	Date Received:	03-22-06
Sample Matrix:	Soil	Date Analyzed:	03-27-06
Preservative:	Cool	Date Extracted:	03-24-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.		
Parameter	Concentration (ug/Kg)	Limit (ug/Kg)		
	(03.1.3)	(-3.1.3)		
Benzene	ND	1.8		
Toluene	7.1	1.7		
Ethylbenzene	5.9	1.5		
p,m-Xylene	17.9	2.2		
o-Xylene	2.5	1.0		
Total BTEX	33.4			

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Unit 5.

1st Quarter 2006 Background Sample, 24"-36" below treatment zone.

Analyst

Mustere m Wasters
Review





Client:	N/A	Project #:	N/A
Sample ID:	03-27-BTEX QA/QC	Date Reported:	03-27-06
Laboratory Number:	36560	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-27-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept: Rang	%Diff. ge 0 - 15%	Blank Conc	Detect. Limit
Benzene	8.1285E+007	8.1448E+007	0.2%	ND	0.2
Toluene	9.4353E+007	9.4542E+007	0.2%	ND	0.2
Ethylbenzene	5.4023E+007	5.4131E+007	0.2%	ND	0.2
p,m-Xylene	1.4101E+008	1.4129E+008	0.2%	ND	0.2
o-Xylene	6.4821E+007	6.4951E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Di	uplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	1.8
Toluene	16.6	16.5	0.6%	0 - 30%	1.7
Ethylbenzene	7.2	7.2	0.0%	0 - 30%	1.5
p,m-Xylene	28.5	28.4	0.4%	0 - 30%	2.2
o-Xylene	13.3	13.3	0.0%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample Amo	ount Spiked Spik	ked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	16.6	50.0	66.5	99.8%	46 - 148
Ethylbenzene	7.2	50.0	57.1	99.8%	32 - 160
p,m-Xyiene	28.5	100	128	99.9%	46 - 148
o-Xylene	13.3	50.0	63.2	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 36560 - 36562, 36599 - 36600, 36604 - 36606.

Inalyet

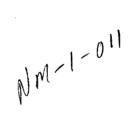
CHAN OF CUSTODY AFFOORD

36560 36560 36562
Relinquished by: (Signature) Relinquished by: (Signature) Relinquished by: (Signature)



March 27, 2006

Mr. Edwin Martin
State of New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505



2006 MAN 28 PM 12

Dear Mr. Martin,

Envirotech, Inc. respectfully submits background sampling results for Envirotech Soil Remediation Facility (ESRF), Landfarm # 2 Unit 5, Hilltop, New Mexico. Enclosed are the fourth quarter background samples for 2005.

The following is a list of the eighteen cells sampled at a depth of 24"-36" below the treatment zone.

Cells: R-7, Q-9, Q-12, S-9, V-10, X-17, FF-15, EE-20, T-23, Y-23, S-33, O-24, Q-20, O-30, I-22, C-25, C-32 and H-28.

Due to some confusion over sampling procedures one sample (Cell O-24) came in contact with contaminated material. The sample was recollected on 02/08/06. This sampling event resulted in an accurate profile of the background.

Should you have any questions or require additional information, please do not hesitate to contact me at (505) 632-0615.

Respectfully submitted,

Envirotech, Inc.

Christine M. Walters'

√aboratory Coordinator / Environmental Scientist

CMW/cmw





Client:	Envirotech	Project #:	
Sample ID:	R - 7	Date Reported:	12-23-05
Laboratory Number:	35521	Date Sampled:	12-13-05
Chain of Custody No:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-23-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst C. Cyclin

Mister Dalters Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 9	Date Reported:	12-23-05
Laboratory Number:	35522	Date Sampled:	12-13-05
Chain of Custody No:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-23-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst C. Carrier

Mister of Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 12	Date Reported:	12-23-05
Laboratory Number:	35523	Date Sampled:	12-13-05
Chain of Custody No:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-23-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Mister Madles
Review





Client:	Envirotech	Project #:	
Sample ID:	S - 9	Date Reported:	12-23-05
Laboratory Number:	35524	Date Sampled:	12-13-05
Chain of Custody No:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-23-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst P. Comments

Review Maeter





Client:	Envirotech	Project #:	
Sample ID:	V - 10	Date Reported:	12-23-05
Laboratory Number:	35525	Date Sampled:	12-13-05
Chain of Custody No:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-23-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Ánalyst

Review Wasters





Client:	Envirotech	Project #:	
Sample ID:	X - 17	Date Reported:	12-23-05
Laboratory Number:	35526	Date Sampled:	12-13-05
Chain of Custody No:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-23-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Review Waetles





Client:	Envirotech	Project #:	
Sample ID:	FF - 15	Date Reported:	12-23-05
Laboratory Number:	35527	Date Sampled:	12-13-05
Chain of Custody No:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-23-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Mister m Walter





Client:	Envirotech	Project #:	
Sample ID:	EE - 20	Date Reported:	12-23-05
Laboratory Number:	35528	Date Sampled:	12-13-05
Chain of Custody No:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-23-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Must C. Cer

Ahristen Waster
Review





Client:	Envirotech	Project #:	
Sample ID:	T - 23	Date Reported:	12-23-05
Laboratory Number:	35529	Date Sampled:	12-13-05
Chain of Custody No:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-23-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Misteren Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	Y - 23	Date Reported:	12-23-05
Laboratory Number:	35530	Date Sampled:	12-13-05
Chain of Custody No:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-23-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Mistury Wasters
Réview





Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	12-23-05 QA/0	QC	Date Reported:		12-23-05
Laboratory Number:	35521		Date Sampled:		N/A
Sample Matrix:	Methylene Chlor	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		12-23-05
Condition:	N/A		Analysis Reques	ted:	TPH
mate in the large life	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept: Range
Gasoline Range C5 - C10	02-04-05	9.9792E+002	9.9892E+002	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	1.0031E+003	1.0051E+003	0.20%	0 - 15%
Blank Conc. (mg/L - mg/Kg		Concentration		Detection Lim	nit
Gasoline Range C5 - C10		ND		0.2	onen.
Diesel Range C10 - C28		ND		0.1	
Total Petroleum Hydrocarbons		ND		0.2	
Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range	3 .
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%	MITTEL T
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 35521 - 35530.

Analyet





Client:	Envirotech	Project #:	
Sample ID:	R - 7	Date Reported:	12-23-05
Laboratory Number:	35521	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-23-05
Preservative:	Cool	Date Extracted:	12-21-05
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Muster Muchaes
Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 9	Date Reported:	12-23-05
Laboratory Number:	35522	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-23-05
Preservative:	Cool	Date Extracted:	12-21-05
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Musteren Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 12	Date Reported:	12-23-05
Laboratory Number:	35523	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-23-05
Preservative:	Cool	Date Extracted:	12-21-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Mistine m Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	S - 9	Date Reported:	12-23-05
Laboratory Number:	35524	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-23-05
Preservative:	Cool	Date Extracted:	12-21-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

_	Concentration	Det. Limit
Parameter	(ug/Kg)	(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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyet

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Client:	Envirotech	Project #:	
Sample ID:	V - 10	Date Reported:	12-23-05
Laboratory Number:	35525	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-23-05
Preservative:	Cool	Date Extracted:	12-21-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND 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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

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Client:	Envirotech	Project #:	
Sample ID:	X - 17	Date Reported:	12-23-05
Laboratory Number:	35526	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-23-05
Preservative:	Cool	Date Extracted:	12-21-05
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Mustine m Wasters Review





Client:	Envirotech	Project #:	
Sample ID:	FF - 15	Date Reported:	12-23-05
Laboratory Number:	35527	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-23-05
Preservative:	Cool	Date Extracted:	12-21-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det. Concentration Limit		
Parameter	(ug/Kg)	(ug/Kg)	
Benzene	ND	1.8	
Foluene	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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Mistarem Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	EE - 20	Date Reported:	12-23-05
Laboratory Number:	35528	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-23-05
Preservative:	Cool	Date Extracted:	12-21-05
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 BTFX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Misterem Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	T - 23	Date Reported:	12-23-05
Laboratory Number:	35529	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-23-05
Preservative:	Cool	Date Extracted:	12-21-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
		4.0	
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

/ Mistere m Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	Y - 23	Date Reported:	12-23-05
Laboratory Number:	35530	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-23-05
Preservative:	Cool	Date Extracted:	12-21-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
r arameter	(ug/Ng)	(ug/Ng/	
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

/ Mister Walters
Review





Client:	N/A	Project #: Date Reported: Date Sampled:	N/A
Sample ID:	12-23-BTEX QA/QC		12-23-05
Laboratory Number:	35521		N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-23-05
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept, Rang	%Diff. je 0 - 15%	Blank Conc	Detect:
Benzene	1.9214E+007	1.9253E+007	0.2%	ND	0.2
Toluene	5.9569E+007	5.9688E+007	0.2%	ND	0.2
Ethylbenzene	4.6924E+007	4.7018E+007	0.2%	ND	0.2
p,m-Xylene	9.5588E+007	9.5779E+007	0.2%	ND	0.2
o-Xylene	4.6806E+007	4.6900E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Duj	olicate	%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 Amo	ount Spiked Spik	ced Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	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	50.0	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 35521 - 35530.

Analyst

Musture of Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	R - 7	Date Reported:	12-22-05
Laboratory Number:	35521	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	N/A	Date Digested:	12-22-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.130	0.001	5.0
Barium	6.30	0.001	100
Cadmium	0.004	0.001	1.0
Chromium	0.092	0.001	5.0
Lead	0.187	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

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Minteren Walter





Client:	Envirotech	Project #:	
Sample ID:	Q - 9	Date Reported:	12-22-05
Laboratory Number:	35522	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	N/A	Date Digested:	12-22-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.211	0.001	5.0
Barium	7.34	0.001	100
Cadmium	0.007	0.001	1.0
Chromium	0.112	0.001	5.0
Lead	0.229	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyot





Client:	Envirotech	Project #:	
Sample ID:	Q - 12	Date Reported:	12-22-05
Laboratory Number:	35523	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	N/A	Date Digested:	12-22-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
A	0.050	0.004	5.0
Arsenic	0.052	0.001	5.0
Barium	3.25	0.001	100
Cadmium	0.003	0.001	1.0
Chromium	0.054	0.001	5.0
Lead	0.084	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst





Client:	Envirotech	Project #:	
Sample ID:	S - 9	Date Reported:	12-22-05
Laboratory Number:	35524	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	N/A	Date Digested:	12-22-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)	
Arsenic	0.062	0.001	5.0	
Barium	3.69	0.001	100	
Cadmium	0.004	0.001	1.0	
Chromium	0.074	0.001	5.0	
Lead	0.148	0.001	5.0	
Mercury	ND	0.001	0.2	
Selenium	ND	0.001	1.0	
Silver	ND	0.001	5.0	

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst





Olland	Cincidents als	Duning 4 #	
Client:	Envirotech	Project #:	
Sample ID:	V - 10	Date Reported:	12-22-05
Laboratory Number:	35525	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	N/A	Date Digested:	12-22-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)	
Arsenic	0.053	0.001	5.0	
Barium	2.92	0.001	100	
Cadmium	0.003	0.001	1.0	
Chromium	0.062	0.001	5.0	
Lead	0.139	0.001	5.0	
Mercury	ND	0.001	0.2	
Selenium	ND	0.001	1.0	
Silver	ND	0.001	5.0	

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

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Client:	Envirotech	Project #:	
Sample ID:	X - 17	Date Reported:	12-22-05
Laboratory Number:	35526	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	N/A	Date Digested:	12-22-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Augusta	0.064	0.004	5.0
Arsenic	0.064	0.001	5.0
Barium	5.35	0.001	100
Cadmium	0.002	0.001	1.0
Chromium	0.128	0.001	5.0
Lead	0.998	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Contract Contract

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Misteren Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	FF - 15	Date Reported:	12-22-05
Laboratory Number:	35527	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	N/A	Date Digested:	12-22-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)	
Arsenic	0.074	0.001	5.0	
Barium	5.90	0.001	100	
Cadmium	0.006	0.001	1.0	
Chromium	0.106	0.001	5.0	
Lead	0.242	0.001	5.0	
Mercury	ND	0.001	0.2	
Selenium	ND	0.001	1.0	
Silver	ND	0.001	5.0	

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

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Review





Client:	Envirotech	Project #:	
Sample ID:	EE - 20	Date Reported:	12-22-05
Laboratory Number:	35528	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	N/A	Date Digested:	12-22-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)	
Arsenic	0.085	0.001	5.0	
Barium	6.38	0.001	100	
Cadmium	0.007	0.001	1.0	
Chromium	0.112	0.001	5.0	
Lead	0.269	0.001	5.0	
Mercury	ND	0.001	0.2	
Selenium	ND	0.001	1.0	
Silver	ND	0.001	5.0	

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

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Review





Client:	Envirotech	Project #:	
Sample ID:	T - 23	Date Reported:	12-22-05
Laboratory Number:	35529	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	N/A	Date Digested:	12-22-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.050	0.001	5.0
Barium	2.42	0.001	100
Cadmium	0.003	0.001	1.0
Chromium	0.052	0.001	5.0
Lead	0.101	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

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Client:	Envirotech	Project #:	
Sample ID:	Y - 23	Date Reported:	12-22-05
Laboratory Number:	35530	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	N/A	Date Digested:	12-22-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)	
		0.004	5.0	
Arsenic	0.057	0.001	5.0	
Barium	4.27	0.001	100	
Cadmium	0.006	0.001	1.0	
Chromium	0.095	0.001	5.0	
Lead	0.199	0.001	5.0	
Mercury	ND	0.001	0.2	
Selenium	ND	0.001	1.0	
Silver	ND	0.001	5.0	

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

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TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	12-22 TM QA/AC	Date Reported:	12-22-05
Laboratory Number:	35521	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	12-22-05
Condition:	N/A	Date Digested:	12-22-05

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detectio Limit	on Sample	Duplicate) % Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.130	0.129	0.8%	0% - 30%
Barium	ND	ND	0.001	6.30	6.28	0.3%	0% - 30%
Cadmium	ND	ND	0.001	0.004	0.004	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.092	0.094	2.2%	0% - 30%
Lead	ND	ND	0.001	0.187	0.184	1.6%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike	Spike	Sample	e Spiked	Percent	Acceptance
Conc. (mg/Kg)	Added		Sample	Recovery	Range
Arsenic	0.500	0.130	0.630	100.0%	80% - 120%
Barium	0.500	6.30	6.79	99.9%	80% - 120%
Cadmium	0.500	0.004	0.504	100.0%	80% - 120%
Chromium	0.500	0.092	0.591	99.8%	80% - 120%
Lead	0.500	0.187	0.685	99.7%	80% - 120%
Mercury	0.500	ND	0.500	100.0%	80% - 120%
Selenium	0.500	ND	0.498	99.6%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 35521 - 35530, 35561.

Analyst





CATION / ANION ANALYSIS

Client:	Envirotech	Project #:	
Sample ID:	R - 7	Date Reported:	12-24-05
Laboratory Number:	35521	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-22-05
Preservative:	Cool	Date Analyzed:	12-23-05
Condition:	Cool & Intact		

_	Analytical			
Parameter	Result	Units		
рН	8.79	s.u.		
Conductivity @ 25° C	154	umhos/cm		
Total Dissolved Solids @ 180C	99.2	mg/L		
Total Dissolved Solids (Calc)	98.1	mg/L		
SAR	2.2	ratio		
Total Alkalinity as CaCO3	38.8	mg/L		
Total Hardness as CaCO3	23.2	mg/L		
Bicarbonate as HCO3	38.8	mg/L	0.64	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	0.3	mg/L	0.00	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	7.2	mg/L	0.20	meq/L
Fluoride	0.09	mg/L	0.00	meq/L
Phosphate	<0.1	mg/L	0.00	meq/L
Sulfate	33.0	mg/L	0.69	meq/L
Iron	<0.001	mg/L	0.00	meq/L
Calcium	9.28	mg/L	0.46	meq/L
Magnesium	<0.01	mg/L	0.00	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	24.7	mg/L	1.07	meq/L
Cations			1.54	meq/L
Anions			1.54	meq/L
Cation/Anion Difference			0.12%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

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CATION / ANION ANALYSIS

Client:	Envirotech	Project #:	
Sample ID:	Q - 9	Date Reported:	12-24-05
Laboratory Number:	35522	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-22-05
Preservative:	Cool	Date Analyzed:	12-23-05
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
pH	8.87	S.U.		
Conductivity @ 25° C	52.6	umhos/cm		
Total Dissolved Solids @ 180C	35.2	mg/L		
		•		
Total Dissolved Solids (Calc)	33.5	mg/L		
SAR	1.2	ratio		
Total Alkalinity as CaCO3	26.4	mg/L		
Total Hardness as CaCO3	9.2	mg/L		
Bicarbonate as HCO3	26.4	mg/L	0.43	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	0.5	mg/L	0.01	meg/L
Nitrite Nitrogen	0.002	mg/L	0.00	meq/L
Chloride	4.0	mg/L	0.11	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	<0.1	mg/L	0.00	meq/L
Sulfate	0.5	mg/L	0.01	meq/L
Iron	0.029	mg/L	0.00	meq/L
Calcium	3.68	mg/L	0.18	meq/L
Magnesium	<0.01	mg/L	0.00	meq/L
Potassium	0.09	mg/L	0.00	meq/L
Sodium	8.7	mg/L	0.38	meq/L
Cations			0.56	meq/L
Anions			0.56	meq/L
Cation/Anion Difference			0.09%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample. 24" - 36" below treatment zone.

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Analyst





Client:	Envirotech	Project #:	•
Sample ID:	Q - 12	Date Reported:	12-24-05
Laboratory Number:	35523	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-22-05
Preservative:	Cool	Date Analyzed:	12-23-05
Condition:	Cool & Intact		

	Analytical		-	
Parameter	Result	Units		
рН	9.06	s.u.		
Conductivity @ 25° C	107	umhos/cm		
Total Dissolved Solids @ 180C	70.1	mg/L		
Total Dissolved Solids (Calc)	68.4	mg/L		
SAR	0.9	ratio		
Total Alkalinity as CaCO3	42.4	mg/L		
Total Hardness as CaCO3	31.2	mg/L		
Bicarbonate as HCO3	42.4	mg/L	0.69	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	<0.1	mg/L	0.00	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	9.6	mg/L	0.27	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	<0.1	mg/L	0.00	meq/L
Sulfate	8.6	mg/L	0.18	meq/L
Iron	0.049	mg/L	0.00	meq/L
Calcium	12.5	mg/L	0.62	meq/L
Magnesium	<0.01	mg/L	0.00	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	11.9	mg/L	0.52	meq/L
Cations			1.14	meq/L
Anions			1.14	meq/L
Cation/Anion Difference			0.07%	

Comments: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

/ Mistine m Walters
Analyst





Client:	Envirotech	Project #:	
Sample ID:	S - 9	Date Reported:	12-24-05
Laboratory Number:	35524	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-22-05
Preservative:	Cool	Date Analyzed:	12-23-05
Condition:	Cool & Intact		

	Analytical			
Parameter	Result	Units		
рН	8.56	s.u.		
Conductivity @ 25° C	175	umhos/cm		
Total Dissolved Solids @ 180C	110	mg/L		
Total Dissolved Solids (Calc)	112	mg/L		
SAR	1.9	ratio		
Total Alkalinity as CaCO3	20.8	mg/L		
Total Hardness as CaCO3	31.6	mg/L		
Bicarbonate as HCO3	20.8	mg/L	0.34	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	0.001	mg/L	0.00	meq/L
Chloride	8.0	mg/L	0.23	meq/L
Fluoride	0.09	mg/L	0.00	meq/L
Phosphate	3.4	mg/L	0.11	meq/L
Sulfate	49.5	mg/L	1.03	meq/L
Iron	0.001	mg/L	0.00	meq/L
Calcium	12.6	mg/L	0.63	meq/L
Magnesium	<0.01	mg/L	0.00	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	25.0	mg/L	1.09	meq/L
Cations			1.72	meq/L
Anions			1.72	meq/L
Cation/Anion Difference			0.03%	

Comments: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

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Client:	Envirotech	Project #:	
Sample ID:	V - 10	Date Reported:	12-24-05
Laboratory Number:	35525	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-22-05
Preservative:	Cool	Date Analyzed:	12-23-05
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
pH	8.93	s.u.		
Conductivity @ 25° C	79.0	umhos/cm		
Total Dissolved Solids @ 180C	53.0	mg/L		
Total Dissolved Solids (Calc)	50.4	mg/L		
SAR	1.7	ratio		
Total Alkalinity as CaCO3	22.4	mg/L		
Total Hardness as CaCO3	12.0	mg/L		
Bicarbonate as HCO3	22.4	mg/L	0.37	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meg/L
Nitrate Nitrogen	0.5	mg/L	0.01	meq/L
Nitrite Nitrogen	0.005	mg/L	0.00	meq/L
Chloride	6.8	mg/L	0.19	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	3.7	mg/L	0.12	meq/L
Sulfate	7.3	mg/L	0.15	meq/L
Iron	0.004	mg/L	0.00	meq/L
Calcium	4.80	mg/L	0.24	meq/L
Magnesium	<0.01	mg/L	0.00	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	13.7	mg/L	0.60	meq/L
Cations	•		0.84	meq/L
Anions			0.84	meq/L
Cation/Anion Difference			0.05%	

Comments: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Mistarem Walters
Analyst

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CATION / ANION ANALYSIS

Client;	Envirotech	Project #:	
Sample ID:	X - 17	Date Reported:	12-28-05
Laboratory Number:	35526	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-26-05
Preservative:	Cool	Date Analyzed:	12-27-05
Condition:	Cool & Intact		

	Analytical			
Parameter	Result	Units		
рН	7.47	s.u.		
Conductivity @ 25° C	54.9	umhos/cm		
Total Dissolved Solids @ 180C	35.0	mg/L		
Total Dissolved Solids (Calc)	34.3	mg/L		
SAR	0.3	ratio		
Total Alkalinity as CaCO3	25.6	mg/L		
Total Hardness as CaCO3	22.8	mg/L		
Bicarbonate as HCO3	25.6	mg/L	0.42	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	<0.1	mg/L	0.00	meq/L
Nitrite Nitrogen	< 0.001	mg/L	0.00	meg/L
Chloride	6.4	mg/L	0.18	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	<0.1	mg/L	0.00	meq/L
Sulfate	<0.1	mg/L	0.00	meq/L
lron	0.068	mg/L	0.00	meq/L
Calcium	9.12	mg/L	0.46	meq/L
Magnesium	<0.01	mg/L	0.00	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	3.3	mg/L	0.14	meq/L
Cations			0.60	meq/L
Anions			0.60	meq/L
Cation/Anion Difference			0.06%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

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Analyst

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CATION / ANION ANALYSIS

Client:	Envirotech	Project #:	
Sample ID:	FF - 15	Date Reported:	12-28-05
Laboratory Number:	35527	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-26-05
Preservative:	Cool	Date Analyzed:	12-27-05
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
pH	7.32	S.U.		
Conductivity @ 25° C	92.0	umhos/cm		
Total Dissolved Solids @ 180C	60.1	mg/L		
Total Dissolved Solids (Calc)	58.7	mg/L		
SAR	1.2	ratio		
•	27.2			
Total Alkalinity as CaCO3		mg/L		
Total Hardness as CaCO3	20.8	mg/L		
Bicarbonate as HCO3	27.2	mg/L	0.45	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	<0.1	mg/L	0.00	meg/L
Nitrite Nitrogen	0.005	mg/L	0.00	meq/L
Chloride	10.8	mg/L	0.30	meq/L
Fluoride	0.05	mg/L	0.00	meq/L
Phosphate	<0.1	mg/L	0.00	meq/L
Sulfate	10.3	mg/L	0.21	meq/L
Iron	<0.001	mg/L	0.00	meq/L
Calcium	8.32	mg/L	0.42	meq/L
Magnesium	<0.01	mg/L	0.00	meq/L
Potassium	0.05	mg/L	0.00	meq/L
Sodium	12.7	mg/L	0.55	meq/L
Cations			0.97	meq/L
Anions			0.97	meq/L
Cation/Anion Difference			0.04%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

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Analyst

Review C. Commen





Client:	Envirotech	Project #:	
Sample ID:	EE - 20	Date Reported:	12-28-05
Laboratory Number:	35528	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-26-05
Preservative:	Cool	Date Analyzed:	12-27-05
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
pH	7.44	S.U.		
Conductivity @ 25° C	89.3	umhos/cm		
Total Dissolved Solids @ 180C	56.0	mg/L		
•	55.4	•		
Total Dissolved Solids (Calc)		mg/L		
SAR	1.5	ratio		
Total Alkalinity as CaCO3	30.2	mg/L		
Total Hardness as CaCO3	15.6	mg/L		
Bicarbonate as HCO3	30.2	mg/L	0.49	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	<0.1	mg/L	0.00	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meg/L
Chloride	9.2	mg/L	0.26	meq/L
Fluoride	0.15	mg/L	0.01	meq/L
Phosphate	<0.1	mg/L	0.00	meq/L
Sulfate	7.5	mg/L	0.16	meq/L
Iron	<0.001	mg/L	0.00	meq/L
Calcium	6.24	mg/L	0.31	meq/L
Magnesium	<0.01	mg/L	0.00	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	14.0	mg/L	0.61	meq/L
Cations			0.92	meq/L
Anions			0.92	meq/L
Cation/Anion Difference			0.06%	

Comments: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Mister m Walters





CATION / ANION ANALYSIS

Client:	Envirotech	Project #:	
Sample ID:	T - 23	Date Reported:	12-28-05
Laboratory Number:	35529	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-26-05
Preservative:	Cool	Date Analyzed:	12-27-05
Condition:	Cool & Intact		

	Analytical	11-24-		·
Parameter	Result	Units		
pH	7.88	s.u.		
Conductivity @ 25° C	48.6	umhos/cm		
Total Dissolved Solids @ 180C	31.0	mg/L		
Total Dissolved Solids (Calc)	30.5	mg/L		
SAR	0.6	ratio		
Total Alkalinity as CaCO3	21.2	mg/L		
Total Hardness as CaCO3	15.2	mg/L		
Bicarbonate as HCO3	21.2	mg/L	0.35	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	<0.1	mg/L	0.00	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	6.4	mg/L	0.18	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	<0.1	mg/L	0.00	meq/L
Sulfate	<0.1	mg/L	0.00	meq/L
Iron	<0.001	mg/L	0.00	meq/L
Calcium	6.08	mg/L	0.30	meq/L
Magnesium	<0.01	mg/L	0.00	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	5.2	mg/L	0.22	meq/L
Cations			0.53	meq/L
Anions			0.53	meq/L
Cation/Anion Difference			0.05%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Mister m Walters Analyst Review C. Chrum





CATION / ANION ANALYSIS

Client:	Envirotech	Project #:	
Sample ID:	Y - 23	Date Reported:	12-28-05
Laboratory Number:	35530	Date Sampled:	12-13-05
Chain of Custody:	15165	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-26-05
Preservative:	Cool	Date Analyzed:	12-27-05
Condition:	Cool & Intact		

	Analytical			
Parameter	Result	Units		
рН	7.34	s.u.		
Conductivity @ 25° C	56.1	umhos/cm		
Total Dissolved Solids @ 180C	37.0	mg/L		
Total Dissolved Solids (Calc)	35.7	mg/L		
SAR	0.8	ratio		
Total Alkalinity as CaCO3	22.4	mg/L		
Total Hardness as CaCO3	15.0	mg/L		
Bicarbonate as HCO3	22.4	mg/L	0.37	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	0.3	mg/L	0.00	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	8.2	mg/L	0.23	meq/L
Fluoride	0.14	mg/L	0.01	meq/L
Phosphate	<0.1	mg/L	0.00	meq/L
Sulfate	0.2	mg/L	0.00	meq/L
Iron	<0.001	mg/L	0.00	meq/L
Calcium	6.00	mg/L	0.30	meq/L
Magnesium	<0.01	mg/L	0.00	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	7.3	mg/L	0.32	meq/L
Cations			0.61	meq/L
Anions			0.61	meq/L
Cation/Anion Difference			0.01%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

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CHAIN OF CUSTODY RECORD

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Sampler:		Client No.		S				Remarks	arks
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Sample No./ Identification	Sample Sample Date Time	Lab Number	Sample Matrix	1	3198	210 Wet	cath nA /	Background Samples	d Sample
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	12/13/65 11:06	35524		7	>	<i>></i>	7		
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Client:	Envirotech	Project #:	
Sample ID:	S - 33	Date Reported:	12-22-05
Laboratory Number:	35513	Date Sampled:	12-13-05
Chain of Custody No:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-22-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst C. Open

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Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 20	Date Reported:	12-22-05
Laboratory Number:	35515	Date Sampled:	12-13-05
Chain of Custody No:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-22-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Allen C. Communication of the Analyst

Mistare m Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	O - 30	Date Reported:	12-22-05
Laboratory Number:	35516	Date Sampled:	12-13-05
Chain of Custody No:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-22-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Mistarem Wades
Review





Client:	Envirotech	Project #:	
Sample ID:	I - 22	Date Reported:	12-22-05
Laboratory Number:	35517	Date Sampled:	12-13-05
Chain of Custody No:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-22-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

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(Review





Client:	Envirotech	Project #:	
Sample ID:	C - 25	Date Reported:	12-22-05
Laboratory Number:	35518	Date Sampled:	12-13-05
Chain of Custody No:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-22-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Mistire m Waeters
Review





Client:	Envirotech	Project #:	
Sample ID:	C - 32	Date Reported:	12-22-05
Laboratory Number:	35519	Date Sampled:	12-13-05
Chain of Custody No:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-22-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

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Review





Client:	Envirotech	Project #:	
Sample ID:	H - 28	Date Reported:	12-22-05
Laboratory Number:	35520	Date Sampled:	12-13-05
Chain of Custody No:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Extracted:	12-19-05
Preservative:	Cool	Date Analyzed:	12-22-05
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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst C. Officer

Mistare m Walters
Review





Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	12-22-05 QA/	QC	Date Reported:		12-22-05
Laboratory Number:	35513		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		12-22-05
Condition:	N/A		Analysis Reques	ted:	TPH
	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	02-04-05	9.9598E+002	9.9697E+002	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	9.9683E+002	9.9882E+002	0.20%	0 - 15%
Blank Conc. (mg/L - mg/K	g). 📆 🗀 🗀	Concentration		Detection Limi	
Gasoline Range C5 - C10		ND		0.2	
Diesel Range C10 - C28		ND		0.1	

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 35513 - 35520, 35546, 35559.

Analyst





Client:	Envirotech	Project #:	
Sample ID:	S - 33	Date Reported:	12-22-05
Laboratory Number:	35513	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	Cool	Date Extracted:	12-19-05
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 BTFX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

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Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 20	Date Reported:	12-22-05
Laboratory Number:	35515	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	Cool	Date Extracted:	12-19-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
Parameter	Concentration (ug/Kg)	Limit (ug/Kg)	
	(3 3/	(10.10)	
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

/ Mistine in Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	O - 30	Date Reported:	12-22-05
Laboratory Number:	35516	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	Cool	Date Extracted:	12-19-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
Parameter	Concentration (ug/Kg)	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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Mistane m Wates
Review





Client:	Envirotech	Project #:	
Sample ID:	I - 22	Date Reported:	12-22-05
Laboratory Number:	35517	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	Cool	Date Extracted:	12-19-05
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

Misture m Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	C - 25	Date Reported:	12-22-05
Laboratory Number:	35518	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	Cool	Date Extracted:	12 - 19-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit
Parameter	(ug/Kg)	(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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

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Client:	Envirotech	Project #:	
Sample ID:	C - 32	Date Reported:	12-22-05
Laboratory Number:	35519	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	Cool	Date Extracted:	12-19-05
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst





Client:	Envirotech	Project #:	
Sample ID:	H - 28	Date Reported:	12-22-05
Laboratory Number:	35520	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12 - 15-05
Sample Matrix:	Soil	Date Analyzed:	12-22-05
Preservative:	Cool	Date Extracted:	12-19-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	ND	4.0	
Toluene	ND ND	1.8 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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst





Client:	N/A	Project #: Date Reported:	N/A
Sample ID:	12-22-BTEX QA/QC		12-22-05
Laboratory Number: Sample Matrix:	35513	Date Sampled:	N/A
	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-22-05
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept, Rang	%Diff: je 0 - 15%	Blank Conc	Detect. Limit
Benzene	1.8848E+007	1.8886E+007	0.2%	ND	0.2
Toluene	1.4685E+007	1.4715E+007	0.2%	ND	0.2
Ethylbenzene	8.9075E+006	8.9253E+006	0.2%	ND	0.2
p,m-Xylene	2.1482E+007	2.1525E+007	0.2%	ND	0.2
o-Xylene	1.0229E+007	1.0249E+007	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 Amo	unt Spiked Spik	ed Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	ND	50.0	50.0	100.0%	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	50.0	100.0%	46 - 148

ND - Parameter not detected at the stated detection limit.

References:

 ${\sf Method\ 5030B,\ Purge-and-Trap,\ Test\ Methods\ for\ Evaluating\ Solid\ Waste,\ SW-846,\ USEPA,}$

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 35513 - 35520, 35559, 35561.

Analyst

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Client:	Envirotech	Project #:	
Sample ID:	S - 33	Date Reported:	12-21-05
Laboratory Number:	35513	Date Sampled:	12-13 - 05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-21-05
Preservative:	N/A	Date Digested:	12-20-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.206	0.001	5.0
Barium	3.48	0.001	3.0 100
Cadmium	0.005	0.001	1.0
Chromium	0.084	0.001	5.0
Lead	0.203	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst

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Review





Client:	Envirotech	Project #:	
Sample ID:	O - 20	Date Reported:	12-21-05
Laboratory Number:	35515	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-21-05
Preservative:	N/A	Date Digested:	12-20-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Amania	0.440	0.004	5.0
Arsenic	0.149	0.001	5.0
Barium	12.1	0.001	100
Cadmium	0.007	0.001	1.0
Chromium	0.157	0.001	5.0
Lead	0.284	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

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Client:	Envirotech	Project #:	
Sample ID:	O - 30	Date Reported:	12-21-05
Laboratory Number:	35516	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-21-05
Preservative:	N/A	Date Digested:	12-20-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.070	0.001	5.0
Barium	2.77	0.001	100
Cadmium	0.004	0.001	1.0
Chromium	0.080	0.001	5.0
Lead	0.147	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst





Client:	Envirotech	Project #:	
Sample ID:	i - 22	Date Reported:	12-21-05
Laboratory Number:	35517	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-21-05
Preservative:	N/A	Date Digested:	12-20-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)	
Arsenic	0.072	0.001	5.0	
Barium	3.73	0.001	100	
Cadmium	0.007	0.001	1.0	
Chromium	0.079	0.001	5.0	
Lead	0.158	0.001	5.0	
Mercury	ND	0.001	0.2	
Selenium	ND	0.001	1.0	
Silver	ND	0.001	5.0	

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst





Client:	Envirotech	Project #:	
Sample ID:	C - 25	Date Reported:	12-21-05
Laboratory Number:	35518	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-21-05
Preservative:	N/A	Date Digested:	12-20-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.074	0.001	5.0
Barium	7.25	0.001	100
Cadmium	0.005	0.001	1.0
Chromium	0.081	0.001	5.0
Lead	0.147	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

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TRACE METAL ANALYSIS

Client:	Envirotech	Project #:	
Sample ID:	C - 32	Date Reported:	12-21-05
Laboratory Number:	35519	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-21-05
Preservative:	N/A	Date Digested:	12-20-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.077	0.001	5.0
Barium	6.84	0.001	100
Cadmium	0.004	0.001	1.0
Chromium	0.080	0.001	5.0
Lead	0.150	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyet





Client:	Envirotech	Project #:	
Sample ID:	H - 28	Date Reported:	12-21-05
Laboratory Number:	35520	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil	Date Analyzed:	12-21-05
Preservative:	N/A	Date Digested:	12-20-05
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Annania	0.076	0.001	5.0
Arsenic Barium	0.076 4.31	0.001	100
Cadmium	0.007	0.001	1.0
Chromium	0.110	0.001	5.0
Lead	0.218	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Analyst





TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	12-21 TM QA/AC	Date Reported:	12-21-05
Laboratory Number:	35513	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	12-21-05
Condition:	N/A	Date Digested:	12-20-05

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.206	0.203	1.5%	0% - 30%
Barium	ND	ND	0.001	3.48	3.46	0.6%	0% - 30%
Cadmium	ND	ND	0.001	0.005	0.005	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.084	0.083	1.2%	0% - 30%
Lead	ND	ND	0.001	0.203	0.202	0.5%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike	Spike	Sample	e Spiked	Percent	Acceptance
Conc. (mg/Kg)	Added		Sample	Recovery	Range
Arsenic	0.500	0.206	0.704	99.7%	80% - 120%
Barium	0.500	3.48	3.96	99.5%	80% - 120%
Cadmium	0.500	0.005	0.505	100.0%	80% - 120%
Chromium	0.500	0.084	0.58	99.8%	80% - 120%
Lead	0.500	0.203	0.701	99.7%	80% - 120%
Mercury	0.500	ND	0.499	99.8%	80% - 120%
Selenium	0.500	ND	0.498	99.6%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 35513 - 35520, 35540 - 35541.

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CATION / ANION ANALYSIS

Client:	Envirotech	Project #:	
Sample ID:	S - 33	Date Reported:	12-23-05
Laboratory Number:	35513	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-21-05
Preservative:	Cool	Date Analyzed:	12-22-05
Condition:	Cool & Intact		

	Analytical			
Parameter	Result	Units		
pH	8.27	s.u.		
Conductivity @ 25° C	142	umhos/cm		
Total Dissolved Solids @ 180C	91.3	mg/L		
Total Dissolved Solids (Calc)	90.6	mg/L		
SAR	1.6	ratio		
Total Alkalinity as CaCO3	30.8	mg/L		
Total Hardness as CaCO3	34.0	mg/L		
Bicarbonate as HCO3	30.8	mg/L	0.50	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	2.7	mg/L	0.04	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	10.8	mg/L	0.30	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	24.9	mg/L	0.79	meq/L
Sulfate	<0.1	mg/L	0.00	meq/L
Iron	<0.001	mg/L	0.00	meq/L
Calcium	8.00	mg/L	0.40	meq/L
Magnesium	3.41	mg/L	0.28	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	22.1	mg/L	0.96	meq/L
Cations			1.64	meq/L
Anions			1.64	meq/L
Cation/Anion Difference			0.09%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Mister MWaeten
Analyst

Review P. Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 20	Date Reported:	12-23-05
Laboratory Number:	35515	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-21-05
Preservative:	Cool	Date Analyzed:	12-22-05
Condition:	Cool & Intact		

	Analytical			
Parameter	Result	Units		
рН	7.45	s.u.		
Conductivity @ 25° C	140	umhos/cm		
Total Dissolved Solids @ 180C	88.4	mg/L		
Total Dissolved Solids (Calc)	88.6	mg/L		
SAR	0.9	ratio		
Total Alkalinity as CaCO3	30.4	mg/L		
Total Hardness as CaCO3	29.4	mg/L		
Bicarbonate as HCO3	30.4	mg/L	0.50	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	0.6	mg/L	0.01	meq/L
Nitrite Nitrogen	0.015	mg/L	0.00	meq/L
Chloride	27.6	mg/L	0.78	meg/L
Fluoride	<0.01	mg/L	0.00	meg/L
Phosphate	5.3	mg/L	0.17	meg/L
Sulfate	6.0	mg/L	0.12	meq/L
Iron	0.071	mg/L	0.00	meq/L
Calcium	11.5	mg/L	0.57	meq/L
Magnesium	4.37	mg/L	0.36	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	14.8	mg/L	0.64	meq/L
Cations			1.58	meq/L
Anions			1.58	meq/L
Cation/Anion Difference			0.04%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Mister m Walters Analyst Review C. Comments





CATION / ANION ANALYSIS

Client:	Envirotech	Project #:	
Sample ID:	O - 30	Date Reported:	12-23-05
Laboratory Number:	35516	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-21-05
Preservative:	Cool	Date Analyzed:	12-22-05
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
рН	8.61	s.u.		
Conductivity @ 25° C	148	umhos/cm		
Total Dissolved Solids @ 180C	95.1	mg/L		
Total Dissolved Solids (Calc)	93.6	mg/L		
SAR	1.7	ratio		
Total Alkalinity as CaCO3	34.4	mg/L		
Total Hardness as CaCO3	34.1	mg/L		
Bicarbonate as HCO3	34.4	mg/L	0.56	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meg/L
Nitrate Nitrogen	2.3	mg/L	0.04	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	16.0	mg/L	0.45	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	20.0	mg/L	0.63	meq/L
Sulfate	<0.1	mg/L	0.00	meq/L
Iron	0.391	mg/L	0.01	meq/L
Calcium	8.80	mg/L	0.44	meq/L
Magnesium	2.95	mg/L	0.24	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	22.7	mg/L	0.99	meq/L
Cations			1.68	meq/L
Anions			1.68	meq/L
Cation/Anion Difference			0.04%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Misteren Walters





Client:	Envirotech	Project #:	
Sample ID:	I - 22	Date Reported:	12-23-05
Laboratory Number:	35517	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-21-05
Preservative:	Cool	Date Analyzed:	12-22-05
Condition:	Cool & Intact	·	

	Analytical			
Parameter	Result	Units		
Н	8.70	s.u.		
Conductivity @ 25° C	100	umhos/cm		
Total Dissolved Solids @ 180C	64.9	mg/L		
Total Dissolved Solids (Calc)	63.8	mg/L		
SAR	0.0	ratio		
Total Alkalinity as CaCO3	26.8	mg/L		
Total Hardness as CaCO3	59.4	mg/L		
Bicarbonate as HCO3	26.8	mg/L	0.44	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	1.7	mg/L	0.03	meq/L
Nitrite Nitrogen	0.007	mg/L	0.00	meq/L
Chloride	21.6	mg/L	0.61	meq/L
Fluoride	0.07	mg/L	0.00	meq/L
Phosphate	1.2	mg/L	0.04	meq/L
Sulfate	<0.1	mg/L	0.00	meq/L
iron	<0.001	mg/L	0.00	meq/L
Calcium	16.3	mg/L	0.81	meq/L
Magnesium	2.26	mg/L	0.19	meq/L
Potassium	4.08	mg/L	0.10	meq/L
Sodium	0.3	mg/L	0.01	meq/L
Cations			1.12	meq/L
Anions			1.12	meq/L
Cation/Anion Difference			0.09%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Mustine m Walters
Analyst

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Client:	Envirotech	Project #:	
Sample ID:	C - 25	Date Reported:	12-23-05
Laboratory Number:	35518	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-21-05
Preservative:	Cool	Date Analyzed:	12-22-05
Condition:	Cool & Intact		

_	Analytical			
Parameter	Result	Units		
рН	7.87	s.u.		
Conductivity @ 25° C	88.0	umhos/cm		
Total Dissolved Solids @ 180C	55.8	mg/L		
Total Dissolved Solids (Calc)	56.0	mg/L		
SAR	0.1	ratio		
Total Alkalinity as CaCO3	20.0	mg/L		
Total Hardness as CaCO3	46.9	mg/L		
Bicarbonate as HCO3	20.0	mg/L	0.33	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	4.4	mg/L	0.07	meq/L
Nitrite Nitrogen	0.011	mg/L	0.00	meq/L
Chloride	19.6	mg/L	0.55	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	1.9	mg/L	0.06	meq/L
Sulfate	0.3	mg/L	0.01	meq/L
Iron	0.009	mg/L	0.00	meq/L
Calcium	11.2	mg/L	0.56	meq/L
Magnesium	4.62	mg/L	0.38	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	1.8	mg/L	0.08	meq/L
Cations			1.02	meq/L
Anions			1.02	meq/L
Cation/Anion Difference			0.05%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

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Analyst

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CATION / ANION ANALYSIS

Client:	Envirotech	Project #:	
Sample ID:	C - 32	Date Reported:	12-23-05
Laboratory Number:	35519	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-21-05
Preservative:	Cool	Date Analyzed:	12-22-05
Condition:	Cool & Intact		

	Analytical			
Parameter	Result	Units		
рН	7.39	s.u.		
Conductivity @ 25° C	126	umhos/cm		
Total Dissolved Solids @ 180C	82.0	mg/L		
Total Dissolved Solids (Calc)	80.3	mg/L		
SAR	0.0	ratio		
Total Alkalinity as CaCO3	15.6	mg/L		
Total Hardness as CaCO3	66.0	mg/L		
Bicarbonate as HCO3	15.6	mg/L	0.26	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	18.2	mg/L	0.29	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	27.6	mg/L	0.78	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	1.1	mg/L	0.03	meq/L
Sulfate	<0.1	mg/L	0.00	meq/L
Iron	<0.001	mg/L	0.00	meq/L
Calcium	17.8	mg/L	0.89	meq/L
Magnesium	5.27	mg/L	0.43	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	0.9	mg/L	0.04	meq/L
Cations			1.36	meg/L
Anions			1.36	meq/L
Cation/Anion Difference			0.11%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

Mistre m Walters Analyst Review C. Cylum





Client:	Envirotech	Project #:	
Sample ID:	H - 28	Date Reported:	12-23-05
Laboratory Number:	35520	Date Sampled:	12-13-05
Chain of Custody:	15166	Date Received:	12-15-05
Sample Matrix:	Soil Extract	Date Extracted:	12-21-05
Preservative:	Cool	Date Analyzed:	12-22-05
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		
рН	7.24	s.u.		
Conductivity @ 25° C	110	umhos/cm		
Total Dissolved Solids @ 180C	70.4	mg/L		
Total Dissolved Solids (Calc)	69.3	mg/L		
SAR	0.1	ratio		
Total Alkalinity as CaCO3	17.6	mg/L		
•	59.2	•		
Total Hardness as CaCO3	59.2	mg/L		
Bicarbonate as HCO3	17.6	mg/L	0.29	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	6.0	mg/L	0.10	meq/L
Nitrite Nitrogen	0.002	mg/L	0.00	meq/L
Chloride	28.8	mg/L	0.81	meq/L
Fluoride	0.08	mg/L	0.00	meq/L
Phosphate	1.3	mg/L	0.04	meq/L
Sulfate	<0.1	mg/L	0.00	meq/L
Iron	0.004	mg/L	0.00	meq/L
Calcium	17.0	mg/L	0.85	meq/L
Magnesium	4.10	mg/L	0.34	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	1.3	mg/L	0.06	meq/L
Cations			1.24	meq/L
Anions			1.24	meq/L
Cation/Anion Difference			0.05%	

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: Landfarm #2 Unit 5 4th Quarter 2005 Background Sample.

24" - 36" below treatment zone.

CHAIN OF CUSTODY RECORD

Client / Project Name		Project Location					
Enviodech		Londfarm	1 #2 Unit S		ANALY	ANALYSIS / PARAMETERS	
Sampler:		Client No.		S			Remarks
1 25.35	Holden	4 2		o. of ainera	212	ره.	THO STORY
<i>-</i> , u	Sample Sample Date Time	Lab Number	Sample Matrix		SHEX HAM CETA		Beckerend Somples
5-33	12-13-05 2.34	35513	عنوی	7		0	24"- 36" below
72-0	12/13/05 2:45	35514		7	>	手	freetment zone.
0-30	12/13/05 3:10	35515		7	>		
0-30	12/3/65 3:21	35516		7	>		
K-7	13/13/cs 3:36	35517		7			
6-25	14.3/2 3:44	35518		4	\ \ \ \		
C-33	13/13/55 3:58	35519		7 2			
H 28	12/13/054:13	35520	٦	7 2			
Relinguished by: (Signature)	ure)		Date Time Reco	Received bv: (Signature)	ature)		Date Time
ころう	John		١,	Mostr	in Wester		12/15/65 765
Relingdished by: (Signature)	ure)			Received by: (Signature)			
Relinquished by: (Signature)	ure)		Rece	Received by: (Signature)	ature)		
			OVIROTECH INC.		ي		Sample Receipt
							A/N N
			5796 U.S. Highway 64 Farmington. New Mexico 87401	Jhway 64 Mexico 874	0	Received Intact	d Intact
			(505) 632-0615	-0615		Cool - Ice/Blue Ice	/Blue ice
							san juan reproduction 578-129





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell O-24	Date Reported:	02-13-06
Laboratory Number:	36214	Date Sampled:	02-08-06
Chain of Custody No:	15533	Date Received:	02-08-06
Sample Matrix:	Soil	Date Extracted:	02-11-06
Preservative:	Cool	Date Analyzed:	02-13-06
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)	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:

Landfarm 2 Unit 5.

4th Quarter 2005 Background Sample 24"-36" Below Treatment Zone.

Analyst

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Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	02-13-06 QA/QC	Date Reported:	02-13-06
Laboratory Number:	36207	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-13-06
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	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 36207 - 36211, 36213 - 36214.

Analyst

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Client:	Envirotech Inc	Project #:	
Sample ID:	Cell O-24	Date Reported:	02-13-06
Laboratory Number:	36214	Date Sampled:	02-08-06
Chain of Custody:	15533	Date Received:	02-08-06
Sample Matrix:	Soil	Date Analyzed:	02-13-06
Preservative:	Cool	Date Extracted:	02-11-06
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
_	ND	4.0	
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

landfarm 2 Unit 5.

4th Quarter 2005 Background Sample 24"-36" Below Treatment Zone.

Analyst





Client: Sample ID:	N/A 02-13-BTEX QA/QC	Project #: Date Reported:	N/A 02-13-06
Laboratory Number:	36207	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	02-13-06
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	l-Cal RF:	C-Cal RF: Accept. Rang	%Diff, ge 0 - 15%	Blank Conc	Detect. Limit
Benzene	6.7185E+006	6.7320E+006	0.2%	ND	0.2
Toluene	1.3558E+007	1.3585E+007	0.2%	ND	0.2
Ethylbenzene	9.9331E+006	9.9530E+006	0.2%	ND	0.2
p,m-Xylene	2.5138E+007	2.5189E+007	0.2%	ND	0.2
o-Xylene	1.3133E+007	1.3159E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Du	plicate	%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	NĎ	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 Amo	unt Spiked Spik	ked Sample	% Recovery	Accept Range	422 4 445044
Benzene	ND	50.0	49.9	99.8%	39 - 150	
Toluene	ND	50.0	49.9	99.8%	46 - 148	
Ethylbenzene	ND	50.0	50.0	100.0%	32 - 160	
p,m-Xylene	ND	100	100	99.5%	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 36207 - 36211, 36213 - 36214.

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Client:	Envirotech Inc	Project #:	
Sample ID:	Cell O-24	Date Reported:	02-13-06
Laboratory Number:	36214	Date Sampled:	02-08-06
Chain of Custody:	15533	Date Received:	02-08-06
Sample Matrix:	Soil	Date Analyzed:	02-13-06
Preservative:	N/A	Date Digested:	02-13-06
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Aunania	0.070	0.004	5.0
Arsenic	0.079	0.001	5.0
Barium	4.03	0.001	100
Cadmium	0.014	0.001	1.0
Chromium	0.120	0.001	5.0
Lead	0.184	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm 2 Unit 5.

4th Quarter 2005 Background Sample 24"-36" Below Treatment Zone.

Analyst





TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	02-13 TM QA/AC	Date Reported:	02-13-06
Laboratory Number:	36214	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	02-13-06
Condition:	N/A	Date Digested:	02-13-06

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.079	0.078	1.3%	0% - 30%
Barium	ND	ND	0.001	4.03	4.01	0.5%	0% - 30%
Cadmium	ND	ND	0.001	0.014	0.014	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.120	0.119	0.8%	0% - 30%
Lead	ND	ND	0.001	0.184	0.182	1.1%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND .	0.0%	0% - 30%

Spike	Spike	Sample	e Spiked	Percent	Acceptance
Conc. (mg/Kg)	Added		Sample	Recovery	Range
Arsenic	0.500	0.079	0.578	99.8%	80% - 120%
Barium	0.500	4.03	4.52	99.8%	80% - 120%
Cadmium	0.500	0.014	0.514	100.0%	80% - 120%
Chromium	0.500	0.120	0.619	99.8%	80% - 120%
Lead	0.500	0.184	0.653	95.5%	80% - 120%
Mercury	0.500	ND	0.499	99.8%	80% - 120%
Selenium	0.500	ND	0.498	99.6%	80% - 120%
Silver	0.500	ND	0.500	100.0%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for Sample 36214.

Analyst





Client:	Envirotech	Project #:	
Sample ID:	Cell O-24	Date Reported:	02-13-06
Laboratory Number:	36214	Date Sampled:	02-08-06
Chain of Custody:	15533	Date Received:	02-08-06
Sample Matrix:	Soil Extract	Date Extracted:	02-11-06
Preservative:	Cool	Date Analyzed:	02-13-06
Condition:	Cool & Intact		

	Analytical	6 Pantan		
Parameter	Result	Units		
рН	7.05	s.u.		
Conductivity @ 25° C	84.0	umhos/cm		
Total Dissolved Solids @ 180C	56.0	mg/L		
Total Dissolved Solids (Calc)	52.4	mg/L		
SAR	0.1	ratio		
Total Alkalinity as CaCO3	19.0	mg/L		
Total Hardness as CaCO3	39.8	mg/L		
Bicarbonate as HCO3	19.0	mg/L	0.31	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	0.01	mg/L	0.00	meq/L
Nitrite Nitrogen	0.03	mg/L	0.00	meq/L
Chloride	7.66	mg/L	0.22	meq/L
Fluoride	0.22	mg/L	0.01	meq/L
Phosphate	0.05	mg/L	0.00	meq/L
Sulfate	16.5	mg/L	0.34	meq/L
Iron	<0.001	mg/L	0.00	meq/L
Calcium	11.5	mg/L	0.57	meq/L
Magnesium	2.65	mg/L	0.22	meq/L
Potassium	0.13	mg/L	0.00	meq/L
Sodium	2.1	mg/L	0.09	meq/L
Cations			0.89	meq/L
Anions			0.89	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: Landfarm 2 Unit 5.

4th Quarter 2005 Background Sample 24"-36" Below Treatment Zone.

Analyst

CHAIN OF CUSTODY RECORD

Client / Project Name LOVI CORC INC	J		Project Location Lendfarm 2	m 2 Wo.t5			_	ANALYSIS / F	ANALYSIS / PARAMETERS			
Sampler: Bronden Powell	d		Client No.		of Siners	•		61: se	É	Remarks	\$ \	2/6
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample		टाव्ह	BTE)	Ace A met 6-4-3 Cc.tr A	2	Dack Grand	ال 2	3
	2/8/00	350	36214	Soil	7	>		>	\$	Scample 24"-36"	7	3,5
									Color	Color Theotom	3	1 5
Relinquished by: (Signature)	(e)				Received by: (Signature)	(Signature		-		Date		Time
Branch Well	1			418106 14:30	mm /	R	5	Uclose	9	2/8/2	56 12	1430
Relinquished by: (Signature)	(e)		-		Received by: (Signature)	Signature	(e			•		
Relinquished by: (Signature)	(e.				Received by: (Signature)	(Signature	(e					
									Sam	Sample Receipt	<u>.</u>	
											z >	NA
				5796 U.S. Highway 64 Farmington New Mexico 87401	5796 U.S. Highway 64	64 87401			Received Intact	act $oldsymbol{\ell}$		
				(505)	(505) 632-0615				Cool - Ice/Blue Ice	9 Ge	\	



December 13, 2005

Mr. Edwin Martin State of New Mexico Oil Conservation Division 1220 South St. Francis Drive NW1.011 Santa Fe. New Mexico 87505

Dear Mr. Martin,

Envirotech, Inc. respectfully submits background sampling results for Envirotech Soil Remediation Facility (ESRF), Landfarm # 2 Unit 5, Hilltop, New Mexico. Enclosed are the third quarter background samples for 2005.

RECEIVED DEC 21 2005
OIL CONSERVATION

The following is a list of the eighteen cells sampled at a depth of 24"-36" below the treatment zone.

Cells: Q-28, L-23, I-22, C-31, R-32, O-30, Q-26, C-24, D-29, D-27, Y-20, Z-19, R-17, X-16, O-14, V-8, Y-10 and Y-23.

Should you have any questions or require additional information, please do not hesitate to contact me at (505) 632-0615.

Respectfully submitted,

Envirotech, Inc.

Christine M. Walters

Láboratory Coordinator / Environmental Scientist

CMW/cmw





Client:	Envirotech	Project #:	
Sample ID:	Q - 28	Date Reported:	09-17-05
Laboratory Number:	34325	Date Sampled:	09-15-05
Chain of Custody No:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-17-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

/ Mistine m Warles
Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865





Client:	Envirotech	Project #:	
Sample ID:	L - 23	Date Reported:	09-17-05
Laboratory Number:	34326	Date Sampled:	09-15-05
Chain of Custody No:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-17-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Mistare m Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	l - 22	Date Reported:	09-17-05
Laboratory Number:	34327	Date Sampled:	09-15-05
Chain of Custody No:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-17-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst





Client:	Envirotech	Project #:	
Sample ID:	C - 31	Date Reported:	09-17-05
Laboratory Number:	34328	Date Sampled:	09-15-05
Chain of Custody No:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-17-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Muster Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	R - 32	Date Reported:	09-17-05
Laboratory Number:	34329	Date Sampled:	09-15-05
Chain of Custody No:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-17-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Mustine m Waeters
Review





Client:	Envirotech	Project #:	
Sample ID:	O - 30	Date Reported:	09-17-05
Laboratory Number:	34330	Date Sampled:	09-15-05
Chain of Custody No:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-17-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst C. Clyman

Mustine Mualles
Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 26	Date Reported:	09-17-05
Laboratory Number:	34331	Date Sampled:	09-15-05
Chain of Custody No:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-17-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Mintre m Wallers
Review





Client:	Envirotech	Project #:	
Sample ID:	C - 24	Date Reported:	09-17-05
Laboratory Number:	34332	Date Sampled:	09-15-05
Chain of Custody No:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-17-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst C. Grand

Review Walter





Client:	Envirotech	Project #:	
Sample ID:	D - 29	Date Reported:	09-17-05
Laboratory Number:	34333	Date Sampled:	09-15-05
Chain of Custody No:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-17-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst C. Office

Misteren Waeters Review





Client:	Envirotech	Project #:	
Sample ID:	D - 27	Date Reported:	09-17-05
Laboratory Number:	34334	Date Sampled:	09-15-05
Chain of Custody No:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-17-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst Y. Chann

Mister Muachen
Review





Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	09-17-05 QA/Q	QC	Date Reported:		09-17-05
Laboratory Number:	34325		Date Sampled:		N/A
Sample Matrix:	Methylene Chlori	ide	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		09-17-05
Condition:	N/A		Analysis Reques	ited:	TPH
	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	02-04-05	9.9637E+002	9.9737E+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	75 N	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	250 250	100.0%	75 - 125% 75 - 125%
Dioser Kange O10 - 020	140	230	230	100.076	13-123/0

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 34325 - 34334.

Analyst C. Cylenna





Client:	Envirotech	Project #:	
Sample ID:	Q - 28	Date Reported:	09-17-05
Laboratory Number:	34325	Date Sampled:	09-15-05
Chain of Custody:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-17-05
Preservative:	Cool	Date Extracted:	09-16-05
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech	Project #:	
Sample ID:	L - 23	Date Reported:	09-17-05
Laboratory Number:	34326	Date Sampled:	09-15-05
Chain of Custody:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-17-05
Preservative:	Cool	Date Extracted:	09-16-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Donmana	ND	1.8	
Benzene Toluene	ND	1.7	
Ethylbenzene	ND 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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech	Project #:	
Sample ID:	I - 22	Date Reported:	09-17-05
Laboratory Number:	34327	Date Sampled:	09-15-05
Chain of Custody:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-17-05
Preservative:	Cool	Date Extracted:	09-16-05
Condition:	Cool & Intact /	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Denvene	ND	1.8	
Benzene 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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Aller C. Cymru Analyst Mystere m Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	C - 31	Date Reported:	09-17-05
Laboratory Number:	34328	Date Sampled:	09-15-05
Chain of Custody:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-17-05
Preservative:	Cool	Date Extracted:	09-16-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit
Parameter	(ug/Kg)	(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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Mistare m Walter





Client:	Envirotech	Project #:	
Sample ID:	R - 32	Date Reported:	09-17-05
Laboratory Number:	34329	Date Sampled:	09-15-05
Chain of Custody:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-17-05
Preservative:	Cool	Date Extracted:	09-16-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
	Concentration	Limit	
Parameter	(ug/Kg)	(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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Réview





Client:	Envirotech	Project #:	
Sample ID:	O - 30	Date Reported:	09-17-05
Laboratory Number:	34330	Date Sampled:	09-15-05
Chain of Custody:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-17-05
Preservative:	Cool	Date Extracted:	09-16-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
Parameter	Concentration (ug/Kg)	Limit (ug/Kg)	
	, 5 .5.		
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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 26	Date Reported:	09-17-05
Laboratory Number:	34331	Date Sampled:	09-15-05
Chain of Custody:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-17-05
Preservative:	Cool	Date Extracted:	09-16-05
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
o,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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Mister m Walles
Review





Client:	Envirotech	Project #:	
Sample ID:	C - 24	Date Reported:	09-17-05
Laboratory Number:	34332	Date Sampled:	09-15-05
Chain of Custody:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-17-05
Preservative:	Cool	Date Extracted:	09-16-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

- A minimum di		Det.	
	Concentration	Limit	
Parameter	(ug/Kg)	(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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech	Project #:	
Sample ID:	D - 29	Date Reported:	09-17-05
Laboratory Number:	34333	Date Sampled:	09-15-05
Chain of Custody:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-17-05
Preservative:	Cool	Date Extracted:	09-16-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)		
	(3.3.1.3)	(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	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

/ Mister Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	D - 27	Date Reported:	09-17-05
Laboratory Number:	34334	Date Sampled:	09-15-05
Chain of Custody:	14815	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-17-05
Preservative:	Cool	Date Extracted:	09-16-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.	
Damanastan	Concentration	Limit	
Parameter	(ug/Kg)	(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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Mistire Mualtes
Review





/A
9-17-05
/Α
/A
9-17-05
TEX
9-11

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept. Rang	%Diff. ge 0 - 15%	Blank Conc	Detect. Limit
Benzene	2.2146E+007	2.2191E+007	0.2%	ND	0.2
Toluene	5.5757E+007	5.5868E+007	0.2%	ND	0.2
Ethylbenzene	4.1141E+007	4.1223E+007	0.2%	ND	0.2
p,m-Xylene	8.5034E+007	8.5204E+007	0.2%	ND	0.2
o-Xylene	4.1515E+007	4.1598E+007	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 Amo	unt Spiked Spik	red 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	50.0	100.0%	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 34325 - 34334.

Ånalyst

/ Mistine m Walters
Review

CHAIN OF CUSTODY RECORD

Client / Project Name		Project Location			
Franch		Jan Farm	rm 2 10,45	ANALYSIS / PARAMETERS	AMETERS
Sampler:	i	Client No.	•		Remarks
Jason Holden		₹ 2			20¢ 7.1.1.
Vo./ tion	ople Sample the Time	Lab Number	Sample Matrix		Bockarand 2005
Q-28 1/15/65	51:21 50	34325	1.0	\ \ -	20moles 24"-36"
	02:21 59		Soil	\ \ -	Delow Treatmen
11-22 9/15/	9/15/05 12:30		Soil	\ \ -	Zone
C-31 9/15/	9/15/65 12:50	34328	Soil	\ 	
R-32 9/15	9/15/05 1:10	34329	Sail	\ \ 	
0-30 9/85/05	1:15		Soil	\ \ -	
0-26 9/15/05	1:30	34331	Soil	\ \ -	
C-34 9/15,	9/15/05 1:40	34333	Soul	\ \ -	
1/s//6 PE-CI	1/15/05 1:50	34333	Soil	\ \ -	
151/6 LE-Q	9/15/05 2:15		Soil	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
y: (Signatur		1	Date Time	Received by: (Signature)	Date Tin
C) was thought	حماه		9/15/05 5:22	Mixture or Walter	9/15/05 17:22
Relinduished by: (Signature)				Received by: (Signature)	
Relinquished by: (Signature)				Received by: (Signature)	
			E S S S S S S S S S S S S S S S S S S S	N SOTECH DC	Sample Receipt
					A N/A
			. 5796 U.S. Farmington. Ne	5796 U.S. Highway 64 Farmington. New Mexico 87401	Received Intact
			(505)	(505) 632-0615	Cool - Ice/Blue Ice
					san juan reproduction 578-129





Client:	Envirotech	Project #:	
Sample ID:	Y - 20	Date Reported:	09-19-05
Laboratory Number:	34335	Date Sampled:	09-15-05
Chain of Custody No:	14816	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-19-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst Column

Mister m Walter





Client:	Envirotech	Project #:	
Sample ID:	Z - 19	Date Reported:	09-19-05
Laboratory Number:	34336	Date Sampled:	09-15-05
Chain of Custody No:	14816	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-19-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Mistine m Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	R - 17	Date Reported:	09-19-05
Laboratory Number:	34337	Date Sampled:	09-15-05
Chain of Custody No:	14816	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-19-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Mistine m Walter





		<i></i>	
Client:	Envirotech	Project #:	
Sample ID:	X - 16	Date Reported:	09-19-05
Laboratory Number:	34338	Date Sampled:	09-15-05
Chain of Custody No:	14816	Date Received:	09-15-05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-19-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Mister m Walter





Client:	Envirotech	Project #:	
Sample ID:	O - 14	Date Reported:	09-19-05
Laboratory Number:	34339	Date Sampled:	09-15-05
Chain of Custody No:	14816	Date Received:	09-15 - 05
Sample Matrix:	Soil	Date Extracted:	09-16-05
Preservative:	Cool	Date Analyzed:	09-19-05
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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Mistre m Walles
Review





Quality Assurance Report

% Recovery

100.0%

100.0%

Accept. Range 75 - 125%

75 - 125%

Client: Sample ID: Laboratory Number: Sample Matrix:	QA/QC 09-19-05 QA/C 34335 Methylene Chlor		Project #: Date Reported: Date Sampled: Date Received:		N/A 09-19-05 N/A N/A
Preservative:	N/A	140	Date Analyzed:		09-19-05
Condition:	N/A		Analysis Reque	sted:	TPH
and the state of t	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept: Range
Gasoline Range C5 - C10	02-04-05	9.9669E+002	9.9769E+002	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	9.9980E+002	1.0018E+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	ND	ND	0.0%	0 - 30%	

Sample Spike Added

250

250

ND - Parameter not detected at the stated detection limit.

References:

Spike Conc. (mg/Kg)

Gasoline Range C5 - C10

Diesel Range C10 - C28

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 34335 - 34339, 34343.

ND

ND

ollen C. Cyli

Review

Spike Result

250

250





Client:	Envirotech	Project #:	
Sample ID:	Y - 20	Date Reported:	09-19-05
Laboratory Number:	34335	Date Sampled:	09-15-05
Chain of Custody:	14816	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-19-05
Preservative:	Cool	Date Extracted:	09-16-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

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

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Mistise m Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	Z - 19	Date Reported:	09-19-05
Laboratory Number:	34336	Date Sampled:	09-15-05
Chain of Custody:	14816	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-19-05
Preservative:	Cool	Date Extracted:	09-16-05
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Minter m Walter





Client;	Envirotech	Project #:	
Sample ID:	R - 17	Date Reported:	09-19-05
Laboratory Number:	34337	Date Sampled:	09-15-05
Chain of Custody:	14816	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-19-05
Preservative:	Cool	Date Extracted:	09-16-05
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech	Project #:	
Sample ID:	X - 16	Date Reported:	09-19-05
Laboratory Number:	34338	Date Sampled:	09-15-05
Chain of Custody:	14816	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-19-05
Preservative:	Cool	Date Extracted:	09-16-05
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Mistire m Walters





Client:	Envirotech	Project #:	
Sample ID:	O - 14	Date Reported:	09-19-05
Laboratory Number:	34339	Date Sampled:	09-15-05
Chain of Custody:	14816	Date Received:	09-15-05
Sample Matrix:	Soil	Date Analyzed:	09-19-05
Preservative:	Cool	Date Extracted:	09-16-05
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm 2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Review





Client:	N/A	Project #:	N/A
Sample ID:	09-19-BTEX QA/QC	Date Reported:	09-19-05
Laboratory Number:	34335	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-19-05
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept. Rang	%Diff. je 0 - 15%	Blank Conc	Detect. Limit
Benzene	2.1493E+007	2.1536E+007	0.2%	ND	0.2
Toluene	5.3593E+007	5.3701E+007	0.2%	ND	0.2
Ethylbenzene	3.9424E+007	3.9503E+007	0.2%	ND	0.2
p,m-Xylene	8.1678E+007	8.1841E+007	0.2%	ND	0.2
o-Xylene	3.9737E+007	3.9817E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Dup	olicate	%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 Amo	unt Spiked Spik	ed 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	50.0	100.0%	. 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 34335 - 34339.

Analyst

Review Waller

CHAIN OF CUSTODY RECORD

Samples: Sample No. Matrix No. Sample No. Sample No. No. Sample No. No. Sample No	ANALYSIS / PARAMETERS	AMETERS
Client No. Client No. Sample Sample Lab Number Sample Matrix		
nple Sample Lab Number Sample Matrix Matrix (65 2:30 34335 501) 65 2:45 34335 501 65 3:10 34334 501 65 3:30 34337 501 65 3:30 34339 501 65 3:30 34330 501 65 3:30 34330 501 65 3:30 34330 501 65 3:30 34330 501 65 3:30 34330 501 65 3:30 34330 501 65 3:30 34330 501 6		Remarks
Sample Sample Sample Time Time Time Time Matrix 105 2:30 34335 Soil 105 2:45 34335 Soil 105 3:10 34337 Soil 105 3:30 3:30 Soil 105 3:30 Soil		2 Cd)
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65 2:45 34334 501/ 65 3:10 34338 501/ 5/65 3:30 34339 501/ Date Time	>	24"-36" below
165 3:30 34337 Soll 165 3:30 34339 Soll 265 3:30 34339 Soll 27 Date Time 27 P/IS/05 5:22	\ \	treatment Zan
165 3:16 34338 Soil 165 3:30 34339 Soil Date Time 9/15/05 5:22		
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Date Time 9/15/05 5:22	\ >	
Date Time 9/15/05 5:22		
22:5 50/51/P		Date Tin
	time of Walter	4/15/05 17,22
	: (əigilature) /	
	: (Signature)	
	2	Sample Receipt
		Y
5796 U.S. Highway 64	64	Received Intact
(505) 632-0615	-0+70	Cool - Ice/Blue Ice





Client:	Envirotech Inc	Project #:	
Sample ID:	Ceil V - 8	Date Reported:	09-21-05
Laboratory Number:	34358	Date Sampled:	09-16-05
Chain of Custody No:	14818	Date Received:	09-19-05
Sample Matrix:	Soil	Date Extracted:	09-19-05
Preservative:	Cool	Date Analyzed:	09-21-05
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:

Landfarm #2 Unit 5.

3rd Quarter 2005 Background Sample24"-36" below treatment zone.

Analyst

Mistine m Walter
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell Y - 10	Date Reported:	09-21-05
Laboratory Number:	34359	Date Sampled:	09-16-05
Chain of Custody No:	14818	Date Received:	09-19-05
Sample Matrix:	Soil	Date Extracted:	09-19-05
Preservative:	Cool	Date Analyzed:	09-21-05
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:

Landfarm #2 Unit 5.

3rd Quarter 2005 Background Sample24"-36" below treatment zone.

Analyst

(Mister m Wasters Review





Client:	Envirotech Inc	Proiect #:	
Sample ID:	Cell Y - 23	Date Reported:	09-21-05
Laboratory Number:	34360	Date Sampled:	09-16-05
Chain of Custody No:	14818	Date Received:	09-19-05
Sample Matrix:	Soil	Date Extracted:	09-19-05
Preservative:	Cool	Date Analyzed:	09-21-05
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:

Landfarm #2 Unit 5.

3rd Quarter 2005 Background Sample24"-36" below treatment zone.

Analyst

Misture m Walters
Review





Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	09-21-05 QA/	QC	Date Reported:		09-21-05
Laboratory Number:	34355		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		09-21-05
Condition:	N/A		Analysis Reques	ted:	TPH
	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept: Range
Gasoline Range C5 - C10	02-04-05	9.9921E+002	1.0002E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	9.9959E+002	1.0016E+003	0.20%	0 - 15%
Blank Conc. (mg/L - mg/Kg		Concentration		Detection Lim	I
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	328	329	0.1%	0 - 30%
Diesel Range C10 - C28	1.7	1.8	5.9%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept, Range
Gasoline Range C5 - C10	328	250	577	99.8%	75 - 125%
Diesel Range C10 - C28	1.7	250	251	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 34355 - 34360, 34370, 34393 - 34395.

Analyst

Review





Client:	Envirotech	Project #:	
Sample ID:	Cell V - 8	Date Reported:	09-21-05
Laboratory Number:	34358	Date Sampled:	09-16-05
Chain of Custody:	14818	Date Received:	09-19-05
Sample Matrix:	Soil	Date Analyzed:	09-21-05
Preservative:	Cool	Date Extracted:	09-19-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.	
	Concentration	Limit	
Parameter	(ug/Kg)	(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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech	Project #:	
Sample ID:	Cell Y - 10	Date Reported:	09-21-05
Laboratory Number:	34359	Date Sampled:	09-16-05
Chain of Custody:	14818	Date Received:	09-19-05
Sample Matrix:	Soil	Date Analyzed:	09-21-05
Preservative:	Cool	Date Extracted:	09-19-05
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	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm #2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Misteren Walter





Client:	Envirotech	Project #:	
Sample ID:	Cell Y - 23	Date Reported:	09-21-05
Laboratory Number:	34360	Date Sampled:	09-16-05
Chain of Custody:	14818	Date Received:	09-19-05
Sample Matrix:	Soil	Date Analyzed:	09-21-05
Preservative:	Cool	Date Extracted:	09-19-05
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	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2 Unit 5.

3rd Quarter 2005 Background Sample 24"-36" below treatment zone.

Analyst

Review





Client:	N/A	Project #:	N/A
Sample ID:	09-21-BTEX QA/QC	Date Reported:	09-21-05
Laboratory Number:	34355	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-21-05
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept Rang	%Diff. ge 0 - 15%	Blank Conc	Detect. Limit
Benzene	1.9521E+007	1.9560E+007	0.2%	ND	0.2
Toluene	5.3176E+007	5.3282E+007	0.2%	ND	0.2
Ethylbenzene	3.8927E+007	3.9005E+007	0.2%	ND	0.2
p,m-Xylene	7.9712E+007	7.9871E+007	0.2%	ND	0.2
o-Xylene	3.8767E+007	3.8845E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample D	uplicate	%Diff.	Accept Range	Detect: Limit
Benzene	ND	ND	0.0%	0 - 30%	.1.8
Toluene	461	460	0.2%	0 - 30%	1.7
Ethylbenzene	511	510	0.2%	0 - 30%	1.5
p,m-Xylene	4,340	4,330	0.2%	0 - 30%	2.2
o-Xylene	688	687	0.2%	0 - 30%	1.0

Spike Conc. (ug/Kg)	Sample Amo	ount Spiked Spi	ked Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.9	99.8%	39 - 150
Toluene	461	50.0	510	99.8%	46 - 148
Ethylbenzene	511	50.0	560	99.8%	32 - 160
p,m-Xylene	4,340	100	4,430	99.8%	46 - 148
o-Xylene	688	50.0	737	99.8%	46 - 148

ND - Parameter not detected at the stated detection limit.

References:

 ${\tt Method\ 5030B,\ Purge-and-Trap,\ Test\ Methods\ for\ Evaluating\ Solid\ Waste,\ SW-846,\ USEPA,}$

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 34355 - 34356, 34358 - 34360, 34370, 34393 - 34395.

Analyst

CHAIN OF CUSTODY RECORD

Client / Project Name	Project Location		Tana	ANAI VSIS / PABAMETERS
FONG KEN INC	Lond farm	m #2 Wort 5		
Sampler:	Client No.			Remarks
Cisco Holdro	<u>4</u> 2		o. of sainei X	20d December
Sample No./ Sample Sample Identification Date Time	Lab Number	Sample Matrix		Berfarand
(200 U-8 9/10/05	34358	بانهن	>	Samples 2005
(200 Y-10)	34359		\ \ -	24"-36"
(ess 4-23 L	34360	-	<i>></i>	below treatment
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The man of Contracts	1	5 9:29	M Roshor of	وموا
Relinquished by: (Signature)			Received by: (Signature)	
Relinquished by: (Signature)		Rec	Received by: (Signature)	
			NO ECT ON STATE OF THE PROPERTY OF THE PROPERT	Sample Receipt
				V
		5796 U.S. Highway 64	ghway 64	Received Intact
		Farmington, New Mexico 87401 (505) 632-0615	Mexico 87401 -0615	Cool - Ice/Blue Ice
				san juan reproduction 578-129



July 6, 2005

NM-1-011

Mr. Edwin Martin State of New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505



Dear Mr. Martin,

Envirotech, Inc. respectfully submits background sampling results for Envirotech Soil Remediation Facility (ESRF), Landfarm # 2 Unit 5, Hilltop, New Mexico. Enclosed are the second quarter background samples for 2005.

The following is a list of the cells samples all at a depth of 24"-36" below the treatment zone.

Cells: O-15, Q-22, W-19, Q-7, CC-19, FF-15, E-23, Y-10, F-26, N-27, Q-12, D-20, U-22, Z-17, U-8, Z-13 AND M-23.

Should you have any questions or require additional information, please do not hesitate to contact me at (505) 632-0615.

Respectfully submitted, **Envirotech, Inc.**

Christine M. Walters

Laboratory Coordinator / Environmental Scientist

CMW/cmw





Client:	Envirotech	Project #:	
Sample ID:	O - 15	Date Reported:	06-24-05
Laboratory Number:	33432	Date Sampled:	06-22-05
Chain of Custody:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Analyzed:	06-24-05
Preservative:	Cool	Date Extracted:	06-23-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
			- LAASE - PARTE STEEL
Benzene	ND	2.1	
Toluene	ND	1.8	
Ethylbenzene	ND	1.7	
p,m-Xylene	ND	1.5	
o-Xylene	ND	2.2	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst C. Oylen

Mistere m Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 22	Date Reported:	06-24-05
Laboratory Number:	33433	Date Sampled:	06-22-05
Chain of Custody:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Analyzed:	06-24-05
Preservative:	Cool	Date Extracted:	06-23-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	ND	2.1	
Toluene	ND	1.8	
Ethylbenzene	ND	1.7	
p,m-Xylene	ND	1.5	
o-Xylene	ND	2.2	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst C. Office Control of the Con

Misters m Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	W - 19	Date Reported:	06-24-05
Laboratory Number:	33434	Date Sampled:	06-22-05
Chain of Custody:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Analyzed:	06-24-05
Preservative:	Cool	Date Extracted:	06-23-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	2.4
Toluene	ND ND	2.1 1.8
Ethylbenzene	ND	1.7
p,m-Xylene	ND	1.5
o-Xylene	ND	2.2
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery	
	Fluorobenzene	97.0 %	
	1,4-difluorobenzene	97.0 %	
	Bromochlorobenzene	97.0 %	

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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst C. Q

Mistare m Walters Review





Client:	Envirotech	Project #:	
Sample ID:	Q - 7	Date Reported:	06-24-05
Laboratory Number:	33435	Date Sampled:	06-22-05
Chain of Custody:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Analyzed:	06-24-05
Preservative:	Cool	Date Extracted:	06-23-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.	nerve an entervité ryapenne en
	Concentration	Limit	
Parameter	(ug/Kg)	(ug/Kg)	
Benzene	ND	2.1	
Toluene	ND	1.8	
Ethylbenzene	ND	1.7	
p,m-Xylene	ND	1.5	
o-Xylene	ND	2.2	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
•	Bromochlorobenzene	98.0 %

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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst C. Qui

Mustine m Wallers
Review





Client:	Envirotech	Project #:	
Sample ID:	CC - 19	Date Reported:	06-24-05
Laboratory Number:	33436	Date Sampled:	06-22-05
Chain of Custody:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Analyzed:	06-24-05
Preservative:	Cool	Date Extracted:	06-23-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	ND	2.1	
Toluene	ND	1.8	
Ethylbenzene	ND	1.7	
p,m-Xylene	ND	1.5	
o-Xylene	ND	2.2	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst C. Quantity

Muster m Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	FF - 15	Date Reported:	06-24-05
Laboratory Number:	33437	Date Sampled:	06-22-05
Chain of Custody:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Analyzed:	06-24-05
Preservative:	Cool	Date Extracted:	06-23-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	ND	2.1	
Toluene	ND	1.8	
Ethylbenzene	ND	1.7	
p,m-Xylene	ND	1.5	
o-Xylene	ND	2.2	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
•	Bromochlorobenzene	98.0 %

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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst C. Oxfun

Mistere n Walters Review





Client:	Envirotech	Project #:	
Sample ID:	E - 23	Date Reported:	06-24-05
Laboratory Number:	33438	Date Sampled:	06-22-05
Chain of Custody:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Analyzed:	06-24-05
Preservative:	Cool	Date Extracted:	06-23-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Dawwa	ND	24
Benzene Toluene	ND ND	2.1 1.8
Ethylbenzene	ND	1.7
p,m-Xylene	ND	1.5
o-Xylene	ND	2.2
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst C. Quant

Apristre maketen
Review





Client: Sample ID:	N/A 06-24-BTEX QA/QC	Project #: Date Reported:	N/A 06-24-05
Laboratory Number:	33419	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-24-05
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	L I-Cal RF:	C-Cal RF: Accept. Rang	%Diff. ge 0 - 15%	Blank Conc	Detect. Limit
Benzene	2.3091E+007	2.3138E+007	0.2%	ND	0.2
Toluene	6.3740E+007	6.3868E+007	0.2%	ND	0.2
Ethylbenzene	4.9081E+007	4.9179E+007	0.2%	ND	0.2
p,m-Xylene	9.9128E+007	9.9327E+007	0.2%	ND	0.2
o-Xylene	5.0550E+007	5.0651E+007	0.2%	ND	0.2

Duplicate Conc. (ug/Kg)	Sample Di	ıplicate	%Diff:	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	2.0
Toluene	5.1	5.0	2.0%	0 - 30%	2.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	2.0
p,m-Xylene	38.2	38.1	0.3%	0 - 30%	2.0
o-Xylene	5.1	5.0	2.0%	0 - 30%	2.0

Spike Conc. (ug/Kg)	Sample Amo	unt Spiked Spik	ed Sample	% Recovery	Accept Range	2022/2004/2002
Benzene	ND	50.0	49.9	99.8%	39 - 150	
Toluene	5.1	50.0	55.0	99.8%	46 - 148	
Ethylbenzene	ND	50.0	50.0	100.0%	32 - 160	
p,m-Xylene	38.2	100	138	99.9%	46 - 148	
o-Xylene	5.1	50.0	55.0	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.

The contract of Electronic Contractivity Detections, CV 040, OCET A Detection 1990

Comments:

QA/QC for Samples 33419 - 33421, 33432 - 33438.

Analyst

Reviev





Client:	Envirotech	Project #:	
Sample ID:	O - 15	Date Reported:	06-24-05
Laboratory Number:	33432	Date Sampled:	06-22-05
Chain of Custody No:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Extracted:	06-23-05
Preservative:	Cool	Date Analyzed:	06-24-05
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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst C. Office C. Offic

Review Walles





Client:	Envirotech	Project #:	
Sample ID:	Q - 22	Date Reported:	06-24-05
Laboratory Number:	33433	Date Sampled:	06-22-05
Chain of Custody No:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Extracted:	06-23-05
Preservative:	Cool	Date Analyzed:	06-24-05
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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst

(histern Walters Review





Client:	Envirotech	Project #:	
Sample ID:	W - 19	Date Reported:	06-24-05
Laboratory Number:	33434	Date Sampled:	06-22-05
Chain of Custody No:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Extracted:	06-23-05
Preservative:	Cool	Date Analyzed:	06-24-05
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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst P. Celum

Mistere m Wallers Review





Client:	Envirotech	Project #:	•
Sample ID:	Q - 7	Date Reported:	06-24-05
Laboratory Number:	33435	Date Sampled:	06-22-05
Chain of Custody No:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Extracted:	06-23-05
Preservative:	Cool	Date Analyzed:	06-24-05
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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst C. Que

Mistary Walters Review





Client:	Envirotech	Project #:	•
Sample ID:	CC - 19	Date Reported:	06-24-05
Laboratory Number:	33436	Date Sampled:	06-22-05
Chain of Custody No:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Extracted:	06-23-05
Preservative:	Cool	Date Analyzed:	06-24-05
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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst C. Cylins

Review Walter





Client:	Envirotech	Project #:	
Sample ID:	FF - 15	Date Reported:	06-24-05
Laboratory Number:	33437	Date Sampled:	06-22-05
Chain of Custody No:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Extracted:	06-23-05
Preservative:	Cool	Date Analyzed:	06-24-05
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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst C. Christian

Mistere m Walters Beview





Client:	Envirotech	Project #:	•
Sample ID:	E - 23	Date Reported:	06-24-05
Laboratory Number:	33438	Date Sampled:	06-22-05
Chain of Custody No:	14211	Date Received:	06-23-05
Sample Matrix:	Soil	Date Extracted:	06-23-05
Preservative:	Cool	Date Analyzed:	06-24-05
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:

LF #2 Background Sample 2nd Quarter 2005, 2' - 3' below treatment zone.

Analyst C. Charles

Review Walles





Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	06-24-05 QA/	QC	Date Reported:		06-24-05
Laboratory Number:	33419		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		06-24-05
Condition:	N/A		Analysis Reques	sted:	TPH
	- I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	02-04-05	9.9903E+002	1.0000E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	9.9780E+002	9.9980E+002	0.20%	0 - 15%
Blank Conc. (mg/L - mg/Kg)		Concentration		Detection Limit	70001- X
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	Ş
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%	oc.
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 33419 - 33421, 33432 - 33438.

Analyst

CHAIN OF CUSTODY RECORD



						, [
Client / Project Name		Project Location			SOUTHWOOD SONION	
Eta		70世十	α		AIVALTOIS / TARAIVIETERS	
Sampler:		Client No.		of siners	Remarks	
Sample No./ Sample Identification Date	Sample	Lab Number	Sample		Sockground	
0-15		33432	Soil	>	and Quarter ac	500
\$c.23		33433		>	281 to 361 below	3
2.3		33434		<i>> ></i> 1	treatment zone	آ ا
Ø-7		33435		<i>> ></i> 1		
61-70		33436		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
FEIS		32437		>		
E-23		33438	>	1		
Relinquished by: (Signature)			Date Time (6/23/05) 8:50	Received by: (Signature)	Date Date	Time & \$
* (A) *				Received by: (Signature)		
Relinquished by: (Signature)				Received by: (Signature)		
			ENVIRO-	AROTECH INC	Sample Receipt	
			-		Z →	Z A/A
			5796 U.S Farmington, N	5796 U.S. Highway 64 Farmington, New Mexico 87401	Received Intact	
			(502)	(505) 632-0615	Cool - Ice/Blue Ice	
					ean live reproduction 578-129	Minn 678.129



RECEIVED

MAY 9 - 2005

OIL CONSERVATION

DIVISION

May 5, 2005

Mr. Edwin Martin State of New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

mm-1-01,

Dear Mr. Martin,

Envirotech, Inc. respectfully submits background sampling results for Envirotech Soil Remediation Facility (ESRF), Landfarm # 2 Unit 5, Hilltop, New Mexico. Enclosed are the first quarter background samples for 2005.

The following is a list of the cells samples all at a depth of 24"-36" below the treatment zone.

Cells: R-11, Q-14, D-25, O-24, W-20, V-16, Y-18, BB-20, HH-14 AND FF-15.

Should you have any questions or require additional information, please do not hesitate to contact me at (505) 632-0615.

Respectfully submitted, **Envirotech, Inc.**

<u>'Misture m Walters</u> Christine M. Walters

Laboratory Coordinator / Environmental Scientist

CMW/cmw





Client:	Envirotech Inc	Project #:	
Sample ID:	R-11 LF #2	Date Reported:	03-09-05
Laboratory Number:	32306	Date Sampled:	03-07-05
Chain of Custody No:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Extracted:	03-08-05
Preservative:	Cool	Date Analyzed:	03-09-05
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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

/ hristine m whaters





Client:	Envirotech Inc	Project #:	
Sample ID:	Q-14 LF #2	Date Reported:	03-09-05
Laboratory Number:	32307	Date Sampled:	03-07-05
Chain of Custody No:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Extracted:	03-08-05
Preservative:	Cool	Date Analyzed:	03-09-05
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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

Mistine of Walter





Client:	Envirotech Inc	Project #:	
Sample ID:	D-25 LF #2	Date Reported:	03-09-05
Laboratory Number:	32308	Date Sampled:	03-07-05
Chain of Custody No:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Extracted:	03-08-05
Preservative:	Cool	Date Analyzed:	03-09-05
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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

/ Wistine of Walten
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	O-24 LF #2	Date Reported:	03-09-05
Laboratory Number:	32309	Date Sampled:	03-03-05
Chain of Custody No:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Extracted:	03-07-05
Preservative:	Cool	Date Analyzed:	03-09-05
Condition:	Cool and Intact	Analysis Requested:	8015 TPH
Condition:	Cool and intact	Analysis Requested:	0013 170

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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

/ Mistine m Walter





Client:	Envirotech Inc	Project #:	
Sample ID:	W-20 LF #2	Date Reported:	03-09-05
Laboratory Number:	32310	Date Sampled:	03-07-05
Chain of Custody No:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Extracted:	03-08-05
Preservative:	Cool	Date Analyzed:	03-09-05
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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

Review





Client:	Envirotech Inc	Proiect #:	
Sample ID:	V-16 LF #2	Date Reported:	03-09-05
Laboratory Number:	32311	Date Sampled:	03-07-05
Chain of Custody No:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Extracted:	03-08-05
Preservative:	Cool	Date Analyzed:	03-09-05
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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

Review Muchan





Client:	Envirotech Inc	Project #:	
Sample ID:	Y-18 LF #2	Date Reported:	03-09-05
Laboratory Number:	32312	Date Sampled:	03-07-05
Chain of Custody No:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Extracted:	03-08-05
Preservative:	Cool	Date Analyzed:	03-09-05
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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

Mustere m Walders
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	BB-20 LF #2	Date Reported:	03-09-05
Laboratory Number:	32313	Date Sampled:	03-07-05
Chain of Custody No:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Extracted:	03-08-05
Preservative:	Cool	Date Analyzed:	03-09-05
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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

/ Motise m Walter Review





Client:	Envirotech Inc	Project #:	
Sample ID:	HH-14 LF #2	Date Reported:	03-09-05
Laboratory Number:	32314	Date Sampled:	03-07-05
Chain of Custody No:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Extracted:	03-08-05
Preservative:	Cool	Date Analyzed:	03-09-05
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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

Review Muchan





Client:	Envirotech Inc	Project #:	
Sample ID:	FF-16 LF #2	Date Reported:	03-09-05
Laboratory Number:	32315	Date Sampled:	03-07-05
Chain of Custody No:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Extracted:	03-08-05
Preservative:	Cool	Date Analyzed:	03-09-05
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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

Mistare of Walters
Review





Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	03-09-05 QA/0	QC	Date Reported:		03-09-05
Laboratory Number:	32306		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		03-09-05
Condition:	N/A		Analysis Reques	sted:	TPH
	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept, Range
Gasoline Range C5 - C10	02-04-05	1.0227E+003	1.0237E+003	0.10%	0 - 15%
Diesel Range C10 - C28	02-04-05	1.0302E+003	1.0322E+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%	ve.
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%
<u> </u>			_		

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 32306 - 32315.

Analyst

Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	R-11 LF#2	Date Reported:	03-09-05
Laboratory Number:	32306	Date Sampled:	03-07-05
Chain of Custody:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Analyzed:	03-09-05
Preservative:	Cool	Date Extracted:	03-08-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	2.1
Toluene	ND	1.8
Ethylbenzene	ND	1.7
p,m-Xylene	ND	1.5
o-Xylene	ND	2.2
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst C. Cylinder

Mistine of Walters
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Q-14 LF#2	Date Reported:	03-09-05
Laboratory Number:	32307	Date Sampled:	03-07-05
Chain of Custody:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Analyzed:	03-09-05
Preservative:	Cool	Date Extracted:	03-08-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
	Concentration	Limit	
Parameter	(ug/Kg)	(ug/Kg)	
Benzene	ND	2.1	
Toluene	ND	1.8	
Ethylbenzene	ND	1.7	
p,m-Xylene	ND	1.5	
o-Xylene	ND	2.2	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Anaivst

Review Walter





Client:	Envirotech Inc.	Project #:	
Sample ID:	D-25 LF#2	Date Reported:	03-09-05
Laboratory Number:	32308	Date Sampled:	03-07-05
Chain of Custody:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Analyzed:	03-09-05
Preservative:	Cool	Date Extracted:	03-08-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Det. Concentration Limit (ug/Kg) (ug/Kg)			
Benzene	ND ND	2.1		
Toluene	ND	1.8		
Ethylbenzene	ND	1.7		
p,m-Xylene	ND	1.5		
o-Xylene	ND	2.2		
Total BTEX	ND			

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Δnalvet





Client:	Envirotech Inc.	Project #:	
Sample ID:	O-24 LF#2	Date Reported:	03-09-05
Laboratory Number:	32309	Date Sampled:	03-07-05
Chain of Custody:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Analyzed:	03-09-05
Preservative:	Cool	Date Extracted:	03-08-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
_	Concentration	Limit	
Parameter	(ug/Kg)	(ug/Kg)	
Benzene	ND	2.1	
Toluene	ND	1.8	
Ethylbenzene	ND	1.7	
p,m-Xylene	ND	1.5	
o-Xylene	ND	2.2	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst C. Carrier

Review Watles





Client:	Envirotech Inc.	Project #:	
Sample ID:	W-20 LF#2	Date Reported:	03-09-05
Laboratory Number:	32310	Date Sampled:	03-07-05
Chain of Custody:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Analyzed:	03-09-05
Preservative:	Cool	Date Extracted:	03-08-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

_	Concentration	Det. Limit	
Parameter	(ug/Kg)	(ug/Kg)	
Benzene	ND	2.1	
Toluene	ND	1.8	
Ethylbenzene	ND	1.7	
p,m-Xylene	ND	1.5	
o-Xylene	ND	2.2	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

Muster m Walter





Client:	Envirotech Inc.	Project #:	
Sample ID:	V-16 LF#2	Date Reported:	03-09-05
Laboratory Number:	32311	Date Sampled:	03-07-05
Chain of Custody:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Analyzed:	03-09-05
Preservative:	Cool	Date Extracted:	03-08-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

	i .	Det.	
	Concentration	Limit	
Parameter	(ug/Kg)	(ug/Kg)	
Benzene	ND	2.1	
Toluene	ND	1.8	
Ethylbenzene	ND	1.7	
p,m-Xylene	ND	1.5	
o-Xylene	ND	2.2	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

Review Walter





Client:	Envirotech Inc.	Project #:	
Sample ID:	Y-18 LF#2	Date Reported:	03-09-05
Laboratory Number:	32312	Date Sampled:	03-07-05
Chain of Custody:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Analyzed:	03-09-05
Preservative:	Cool	Date Extracted:	03-08-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.
Parameter	Concentration (ug/Kg)	Limit (ug/Kg)
	(=3/-3)	(99)
Benzene	ND	2.1
Toluene	ND	1.8
Ethylbenzene	ND	1.7
p,m-Xylene	ND	1.5
o-Xylene	ND	2.2
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

Mistine m Walters
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	BB-20 LF#2	Date Reported:	03-09-05
Laboratory Number:	32313	Date Sampled:	03-07-05
Chain of Custody:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Analyzed:	03-09-05
Preservative:	Cool	Date Extracted:	03-08-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.		
	Concentration	Limit	
Parameter	(ug/Kg)	(ug/Kg)	
Benzene	ND	2.1	
Toluene	ND	1.8	
Ethylbenzene	ND	1.7	
p,m-Xylene	ND	1.5	
o-Xylene	ND	2.2	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

/ Mustine of Waeters





Client:	Envirotech Inc.	Project #:	
Sample ID:	HH-14 LF#2	Date Reported:	03-09-05
Laboratory Number:	32314	Date Sampled:	03-07-05
Chain of Custody:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Analyzed:	03-09-05
Preservative:	Cool	Date Extracted:	03-08-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
ŧ		
Benzene	ND	2.1
Toluene	ND	1.8
Ethylbenzene	ND	1.7
p,m-Xylene	ND	1.5
o-Xylene	ND	2.2
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	FF-16 LF#2	Date Reported:	03-09-05
Laboratory Number:	32315	Date Sampled:	03-07-05
Chain of Custody:	13648	Date Received:	03-07-05
Sample Matrix:	Soil	Date Analyzed:	03-09-05
Preservative:	Cool	Date Extracted:	03-08-05
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	ND	2.1	
Toluene	ND	1.8	
Ethylbenzene	ND	1.7	
p,m-Xylene	ND	1.5	
o-Xylene	ND	2.2	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
•	Bromochlorobenzene	98.0 %

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:

Landfarm #2.

1st Quarter 2005 Background Sample, 2'-3' Below Treatment Zone.

Analyst

Mostine of Walters
Review





Client:	N/A	Project #:	N/A
Sample ID:	03-09-BTEX QA/QC	Date Reported:	03-09-05
Laboratory Number:	32306	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-09-05
Condition:	N/A	Analysis:	BTEX

Galibration and Detection Limits (ug/L)	H-Cal RF:	C-Cal RF: Accept. Rang	%Diff. ge 0 - 15%	Blank Conc	Detect, Limit	Alloway Sound States
Benzene	1.8974E+006	1.9012E+006	0.2%	ND	0.2	
Toluene	1.2382E+007	1.2407E+007	0.2%	ND	0.2	
Ethylbenzene	4.3576E+006	4.3663E+006	0.2%	ND	0.2	
p,m-Xylene	1.1994E+007	1.2018E+007	0.2%	ND	0.2	
o-Xylene	5.4470E+006	5.4580E+006	0.2%	ND	0.1	

Duplicate Conc. (ug/Kg)	Sample Du	plicate	%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 Amo	unt Spiked Spik	ed 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 32306 - 32315.

Analyst

<u>'NUsture of Walter</u> Review

CHAIN OF CUSTODY RECORD

Client / Project Name			Project Location			
					ANALYSIS / PARAMETERS	AMETERS
Environech]	7		Landtann	\ \ \ \ \		
Sampler:			Client No.		SJ	Remarks
BROSELL					o of occupations of the occupati	3000
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix		Backaround Samples
R-11 LF#2	3/7/05	15:30	32306	Soil	7 7 1	2'-3' Blow
17 H-8		15:35	32307		> > -	treatment 20MC
D-35 LF#7		15;43	32308		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
0-24 1F#Z		15:55	32309		> -	
W-20 LF#2		16:05	32310		`\rangle \rangle \rang	
V-16 LF#2		16:08	323/1		<i>> ></i> 1	
Y-18 LF#2		6:15	32312		<i>\ \ \ \</i>	
88-20 LF#2		16:18	32313		<i>> ></i> 1	
HH-14 2F#2	\rightarrow	16:30	32314		<i>> > - - - - - - - - - -</i>	
į	3/7/05 16:25	16:25	32315	→	ラ ト	
Relinquished by: (Signature)	<u></u>		·	Time	Received by: (Signature)	Date /
May Ded	1/			47105 17:50	MESSHANDET	3/\$/05 17:30
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				ENVIROT	VIROTECH INC.	Sample Receipt
					The state of the s	V
				5796 U.S. Farmington, Ne	5796 U.S. Highway 64 Farmington, New Mexico 87401	Received Intact
				(502)	(505) 632-0615	Cool - Ice/Blue Ice

san juan reproduction 578



November 8, 2004

RECEIVED

Mr. Edwin Martin State of New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505 NOV 0 9 2004 OIL CONSERVATION DIVISION

NW-1-0011

Dear Mr. Martin,

Envirotech, Inc. respectfully submits background sampling results for Envirotech Soil Remediation Facility (ESRF), Landfarm # 2 Unit 5, Hilltop, New Mexico. Enclosed are the second and third quarter background samples for 2004.

The following is a list of the cells samples all at a depth of 24"-36" below the treatment zone.

Second Quarter June 2004

Cells: O-6, P-14, S-9, X-9, Z-19, CC-16, EE-18 and GG-19.

Third Quarter September 2004

Cells: H-25, O-11, Q-7, R-13, V-18, X-16, AA-19, CC-17, DD-16 and FF-16.

Should you have any questions or require additional information, please do not hesitate to contact me at (505) 632-0615.

Respectfully submitted,

Envirotech, Inc.

Christine M. Walters

Laboratory Coordinator / Environmental Scientist

CMW/cmw





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell O-6	Date Reported:	07-02-04
Laboratory Number:	29381	Date Sampled:	06-29-04
Chain of Custody No:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Extracted:	06-30-04
Preservative:	Cool	Date Analyzed:	07-02-04
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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst

Mistine m Waeter Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell P-14	Date Reported:	07-02-04
Laboratory Number:	29382	Date Sampled:	06-29-04
Chain of Custody No:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Extracted:	06-30-04
Preservative:	Cool	Date Analyzed:	07-02-04
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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst

Motine m Walter Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell S-9	Date Reported:	07-02-04
Laboratory Number:	29383	Date Sampled:	06-29-04
Chain of Custody No:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Extracted:	06-30-04
Preservative:	Cool	Date Analyzed:	07-02-04
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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst

Muster of Walter Review





			•
Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell X-9	Date Reported:	07-02-04
Laboratory Number:	29384	Date Sampled:	06-29-04
Chain of Custody No:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Extracted:	06-30-04
Preservative:	Cool	Date Analyzed:	07-02-04
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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst

Mistine m Waller
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell Z-19	Date Reported:	07-02-04
Laboratory Number:	29385	Date Sampled:	06-29-04
Chain of Custody No:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Extracted:	06-30-04
Preservative:	Cool	Date Analyzed:	07-02-04
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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst (, (b)

Misters M Walters





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell CC-16	Date Reported:	07-02-04
Laboratory Number:	29386	Date Sampled:	06-29-04
Chain of Custody No:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Extracted:	06-30-04
Preservative:	Cool	Date Analyzed:	07-02-04
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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst . Cal

Review Walter





	•		
Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell EE-18	Date Reported:	07-02-04
Laboratory Number:	29387	Date Sampled:	06-29-04
Chain of Custody No:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Extracted:	06-30-04
Preservative:	Cool	Date Analyzed:	07-02-04
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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst C. Cepture

Mister Waster Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell GG-19	Date Reported:	07-02-04
Laboratory Number:	29388	Date Sampled:	06-29-04
Chain of Custody No:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Extracted:	06-30-04
Preservative:	Cool	Date Analyzed:	07-02-04
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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst C. Cylindrical Control of the Control of th

Mistine m Walter Review





Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	07-02-TPH QA	VQC	Date Reported:		07-02-04
Laboratory Number:	29381		Date Sampled:		N/A
Sample Matrix:	Methylene Chlor	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		07-02-04
Condition:	N/A		Analysis Reques	ted:	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%
				CREVATE RECURSION OF THE STREET	冷 獲
Blank Conc. (mg/L - mg/Kg)		Concentration		Detection Limi	t
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	ARTHURS - 1-12 - AMERICAN PROPERTY - 1-12 - 1-12 - 1-12 - 1-12 - 12 - 12	<u>N</u>
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%	
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%	
			Call Dark	0/ D	
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 29381 - 29388, 29397 - 29398.

Analyst





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell O-6	Date Reported:	07-02-04
Laboratory Number:	29381	Date Sampled:	06-29-04
Chain of Custody:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Analyzed:	07-02-04
Preservative:	Cool	Date Extracted:	06-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit	
Parameter	(ug/Kg)	(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	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst

Mistine m Walters
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell P-14	Date Reported:	07-02-04
Laboratory Number:	29382	Date Sampled:	06-29-04
Chain of Custody:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Analyzed:	07-02-04
Preservative:	Cool	Date Extracted:	06-30-04
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	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst .

Misture m Walters
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell S-9	Date Reported:	07-02-04
Laboratory Number:	29383	Date Sampled:	06-29-04
Chain of Custody:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Analyzed:	07-02-04
Preservative:	Cool	Date Extracted:	06-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit
Parameter	(ug/Kg)	(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	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst

Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell X-9	Date Reported:	07-02-04
Laboratory Number:	29384	Date Sampled:	06-29-04
Chain of Custody:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Analyzed:	07-02-04
Preservative:	Cool	Date Extracted:	06-30-04
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	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

∆nalvst

Mustine m Walter





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell Z-19	Date Reported:	07-02-04
Laboratory Number:	29385	Date Sampled:	06-29-04
Chain of Custody:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Analyzed:	07-02-04
Preservative:	Cool	Date Extracted:	06-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit
Parameter	(ug/Kg)	(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	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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst

deview





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell CC-16	Date Reported:	07-02-04
Laboratory Number:	29386	Date Sampled:	06-29-04
Chain of Custody:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Analyzed:	07-02-04
Preservative:	Cool	Date Extracted:	06-30-04
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	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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst C. Cylum

Musture m Wallers
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell EE-18	Date Reported:	07-02-04
Laboratory Number:	29387	Date Sampled:	06-29-04
Chain of Custody:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Analyzed:	07-02-04
Preservative:	Cool	Date Extracted:	06-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

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

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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst C. C.

Mistire m Walters
Review





Client:	Envirotech Inc	Project #:	
Sample ID:	Cell GG-19	Date Reported:	07-02-04
Laboratory Number:	29388	Date Sampled:	06-29-04
Chain of Custody:	12457	Date Received:	06-29-04
Sample Matrix:	Soil	Date Analyzed:	07-02-04
Preservative:	Cool	Date Extracted:	06-30-04
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	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:

Landfarm #2 Unit 5.

2nd Quarter 2004 Background Sample 24"-36" below treatment zone.

Analyst

Review Muller March





- · · · · · · · · · · · · · · · · · · ·			
Client:	N/A	Project #:	N/A
Sample ID:	07-02-BTEX QA/QC	Date Reported:	07-02-04
Laboratory Number:	29381	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	07-02-04
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept, Rang	%Diff. ge 0 - 15%	Blank Conc	Detect. Limit
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 Du	plicate	%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. Amo	unt Spiked Spik	ed 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	50.0	100.0%	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 29381 - 29388.

Analyst

Musture m Wallers
Review

CHAIN OF CUSTODY RECORD

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(FOE) 600 OC4E	Received Intact
6190-259 (606)	Cool - Ice/Blue Ice

san juan reproduction 578-129





Client:	Envirotech	Project #:	
Sample ID:	Cell H-25	Date Reported:	09-16-04
Laboratory Number:	30437	Date Sampled:	09-13-04
Chain of Custody No:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Extracted:	09-14-04
Preservative:	Cool	Date Analyzed:	09-16-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst C. Officer

/ Misture m Walter Preview





Client:	Envirotech	Project #:	
Sample ID:	Cell O-11	Date Reported:	09-16-04
Laboratory Number:	30438	Date Sampled:	09-13-04
Chain of Custody No:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Extracted:	09-14-04
Preservative:	Cool	Date Analyzed:	09-16-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst

Mirtine m Walter Review





Client:	Envirotech	Project #:	
Sample ID:	Cell Q-7	Date Reported:	09-16-04
Laboratory Number:	30439	Date Sampled:	09-13-04
Chain of Custody No:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Extracted:	09-14-04
Preservative:	Cool	Date Analyzed:	09-16-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst C. Coffin

Mister m Walter Review





Client:	Envirotech	Project #:	
Sample ID:	Cell R-13	Date Reported:	09-16-04
Laboratory Number:	30440	Date Sampled:	09-13-04
Chain of Custody No:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Extracted:	09-14-04
Preservative:	Cool	Date Analyzed:	09-16-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst C. Cylindrical C. Cylindrica

Maistine m Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell V-18	Date Reported:	09-16-04
Laboratory Number:	30441	Date Sampled:	09-13-04
Chain of Custody No:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Extracted:	09-14-04
Preservative:	Cool	Date Analyzed:	09-16-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst C. Cyl

Review (Nactes)





Client:	Envirotech	Project #:	
Sample ID:	Cell X-16	Date Reported:	09 - 16-04
Laboratory Number:	30442	Date Sampled:	09-13-04
Chain of Custody No:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Extracted:	09-14-04
Preservative:	Cool	Date Analyzed:	09-16-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst C. Oxfun

(Review m Walter





Client:	Envirotech	Project #:	
Sample ID:	Cell AA-19	Date Reported:	09-16-04
Laboratory Number:	30443	Date Sampled:	09-13-04
Chain of Custody No:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Extracted:	09-14-04
Preservative:	Cool	Date Analyzed:	09-16-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Aller C. Offin

Antiture my Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell CC-17	Date Reported:	09-16-04
Laboratory Number:	30444	Date Sampled:	09-13-04
Chain of Custody No:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Extracted:	09-14-04
Preservative:	Cool	Date Analyzed:	09-16-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Julean P. Ceffan Analyst Avistine m Waetles
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell DD-16	Date Reported:	09-16-04
Laboratory Number:	30445	Date Sampled:	09-13-04
Chain of Custody No:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Extracted:	09-14-04
Preservative:	Cool	Date Analyzed:	09-16-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst C. Qui

(Review Malles





Client:	Envirotech	Project#:	
Sample ID:	Cell FF-15	Date Reported:	09-16-04
Laboratory Number:	30446	Date Sampled:	09-13-04
Chain of Custody No:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Extracted:	09-14-04
Preservative:	Cool	Date Analyzed:	09-16-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst

A Mintine m Walley





Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	09-16-TPH QA	VQC	Date Reported:		09-16-04
Laboratory Number:	30437		Date Sampled:		N/A
Sample Matrix:	Methylene Chlor	ide	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		09-16-04
Condition:	N/A		Analysis Reques	ted:	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%
		. No not consider the constraint of the constrai	eccent Will confidence of Montes The results Will Manufactual transport to the "	"%;" (with the consequence - '	0008
Blank Conc. (mg/L - mg/Kg)		Concentration		Detection Lim	it
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	9
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 30437 - 30447.

Deu C. Cyleren

/ Review M Libelles





Client:	Envirotech	Project #:	
Sample ID:	Cell H-25	Date Reported:	09-16-04
Laboratory Number:	30437	Date Sampled:	09-13-04
Chain of Custody:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Analyzed:	09-16-04
Preservative:	Cool	Date Extracted:	09-14-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	ND	4.0	
Toluene	ND ND	1.8 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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst





		•	
Client:	Envirotech	Project #:	
Sample ID:	Cell O-11	Date Reported:	09-16-04
Laboratory Number:	30438	Date Sampled:	09-13-04
Chain of Custody:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Analyzed:	09 - 16-04
Preservative:	Cool	Date Extracted:	09-14-04
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	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

nalyst





Client:	Envirotech	Project #:	
Sample ID:	Cell Q-7	Date Reported:	09-16-04
Laboratory Number:	30439	Date Sampled:	09-13-04
Chain of Custody:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Analyzed:	09-16-04
Preservative:	Cool	Date Extracted:	09-14-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst

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Client:	Envirotech	Project #:	
Sample ID:	Cell R-13	Date Reported:	09-16-04
Laboratory Number:	30440	Date Sampled:	09-13-04
Chain of Custody:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Analyzed:	09-16-04
Preservative:	Cool	Date Extracted:	09-14-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst

/ Misture my Wortless
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell V-18	Date Reported:	09-16-04
Laboratory Number:	30441	Date Sampled:	09-13-04
Chain of Custody:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Analyzed:	09-16-04
Preservative:	Cool	Date Extracted:	09-14-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.	j
	Concentration	Limit	
Parameter	(ug/Kg)	(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	<i>.</i>	

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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst





Client:	Envirotech	Project #:	
Sample ID:	Cell X-16	Date Reported:	09-16-04
Laboratory Number:	30442	Date Sampled:	09-13-04
Chain of Custody:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Analyzed:	09-16-04
Preservative:	Cool	Date Extracted:	09-14-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.	
	Concentration	Limit	
Parameter	(ug/Kg)	(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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Allen P. Cylinson

Mistine my Wareten





Client:	Envirotech	Project #:	
Sample ID:	Cell AA-19	Date Reported:	09-16-04
Laboratory Number:	30443	Date Sampled:	09-13-04
Chain of Custody:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Analyzed:	09-16-04
Preservative:	Cool	Date Extracted:	09-14-04
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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst

ANUSTINE NO Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell CC-17	Date Reported:	09-16-04
Laboratory Number:	30444	Date Sampled:	09 - 13-04
Chain of Custody:	12912	Date Received:	09-13-04
Sample Matrix:	Soil .	Date Analyzed:	09-16-04
Preservative:	Cool	Date Extracted:	09-14-04
Condition:	Cool & Intact	Analysis Requested:	BŢEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND 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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst

eview

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865





Client:	Envirotech	Project #:	
Sample ID:	Cell DD-16	Date Reported:	09 - 16-04
Laboratory Number:	30445	Date Sampled:	09-13-04
Chain of Custody:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Analyzed:	09-16-04
Preservative:	Cool	Date Extracted:	09-14-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

	·	Det.
	Concentration	Limit
Parameter	(ug/Kg)	(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	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst C. Cheer

Amster m Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell FF-15	Date Reported:	09-16-04
Laboratory Number:	30446	Date Sampled:	09-13-04
Chain of Custody:	12912	Date Received:	09-13-04
Sample Matrix:	Soil	Date Analyzed:	09-16-04
Preservative:	Cool	Date Extracted:	09-14-04
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	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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:

Landfarm 2, Unit 5.

3rd Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst C. Caylum

Mustine m Walter





Client:	N/A	Project #:	N/A
Sample ID:	09-16-BTEX QA/QC	Date Reported:	09-16-04
Laboratory Number:	30437	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-16-04
Condition:	N/A	Analysis:	BTEX

Calibration, and Detection Limits (ug/L)	l-CarRF:	C-Cal RF: Accept: Rang	%Diff. je 0 - 15%	Blank Conc	Detect. Limit
Benzene	2.8990E-001	2.9077E-001	0.3%	ND	0.2
Toluene	2.5460E-002	2.5511E-002	0.2%	ND	0.2
Ethylbenzene	3.8451E-002	3.8567E-002	0.3%	ND	0.2
p,m-Xylene	3.2988E-002	3.3088E-002	0.3%	ND .	0.2
o-Xylene	3.3333E-002	3.3400E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Du	plicate	%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

Sample Amo	unt Spiked Spik	ced Sample	% Recovery	Accept Range
ND	50.0	49.9	99.8%	39 - 150
ND	50.0	49.9	99.8%	46 - 148
ND	50.0	49.9	99.8%	32 - 160
ND	100	99.9	99.9%	46 - 148
ND	50.0	49.9	99.8%	46 - 148
	ND ND ND ND	ND 50.0 ND 50.0 ND 50.0 ND 100	ND 50.0 49.9 ND 50.0 49.9 ND 50.0 49.9 ND 100 99.9	ND 50.0 49.9 99.8% ND 50.0 49.9 99.8% ND 50.0 49.9 99.8% ND 100 99.9 99.9%

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 30437 - 30446.

Ánalyst

Review Muller

5796 U.S. Highway 64 · Farmington, NM 87401 · Tel 505 · 632 · 0615 · Fax 505 · 632 · 1865

CHAIN OF CUSTODY RECORD

Client / Project Name		Project Location		ANA CACA SISSINA	SAMETERS
		Card Paris	とかって	7000 LV	Subject Subjec
Sampler:		Client No.			Remarks
BPOWE				Hd	ı
Sample No./ Sample Identification Date	ple Sample te Time	Lab Number	Sample Matrix	Con' CS T	Fack wound Can be
Cell H-25 9/13/64		30437)	24"-36" Delaw
Cell 0-11	12,00	30 438	~)	treaturit zan
Cell Q-7	17:52	30439		7	
CEII R-13	02,50)	
Cell V-R	, , and delicates	30441		.)	
X-1X	(S:3)	30442)	
	16,27	30443)	
GI 60-17	of; 2)	
1323	52.20)	
744	16:57	3046		7	:
Relinquished by: (Signature)			Time	Received by: (Signature)	Date Time
32 5-All	1.1		9/13/04 17:43	March Calman	4.5.04 12.4
Relinquished by: (Signature)				Received by: (Signature)	
Relinquished by: (Signature)			Rece	Received by: (Signature)	
			ENVIROTECH INC	OHIO	Sample Receipt
				ではないのでは、これにはいいというには、	∀/Z Z >-
			5796 U.S. Highway 64 Farmington, New Mexico 87401	hway 64 Aexico 87401	Received Intact
			(505) 632-0615	0615	Cool - Ice/Blue Ice
					san juan reproduction 578-129





May 3, 2004

Ms. Martyne J. Kieling State of New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe, New Mexico 87505

Dear Ms. Kieling

Envirotech, Inc. respectfully submits background sampling results for Envirotech Soil Remediation Facility (ESRF), Landfarm # 2 Unit 5, Hilltop, New Mexico. Enclosed are the first quarter background samples for 2004.

The following is a list of the cells samples all at a depth of 24"-36" below the treatment zone.

Fourth Quarter December 2003

Cells: S-16, V-7, V-11, V-17, X-10, AA-19, BB-16 and FF-14.

Should you have any questions or require additional information, please do not hesitate to contact me at (505) 632-0615.

Respectfully submitted, **Envirotech, Inc.**

Christine M. Walters

Laboratory Coordinator / Environmental Scientist

CMW/cmw





Client:	Envirotech	Project #:	
Sample ID:	Cell S-16	Date Reported:	03-31-04
Laboratory Number:	28236	Date Sampled:	03-29-04
Chain of Custody No:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Extracted:	03-30-04
Preservative:	Cool	Date Analyzed:	03-31-04
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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst

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		•	
Client:	Envirotech	Project #:	
Sample ID:	Cell V-7	Date Reported:	03-31-04
Laboratory Number:	28237	Date Sampled:	03-29-04
Chain of Custody No:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Extracted:	03-30-04
Preservative:	Cool	Date Analyzed:	03-31-04
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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst

Mistinem Walter





		,	
Client:	Envirotech	Project #:	
Sample ID:	Cell V-11	Date Reported:	03-31-04
Laboratory Number:	28238	Date Sampled:	03-29-04
Chain of Custody No:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Extracted:	03-30-04
Preservative:	Cool	Date Analyzed:	03-31-04
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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst C. Cylum

Misture M Walters





Client:	Envirotech	Project #:	
Sample ID:	Cell V-17	Date Reported:	03-31-04
Laboratory Number:	28239	Date Sampled:	03-29-04
Chain of Custody No:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Extracted:	03-30-04
Preservative:	Cool	Date Analyzed:	03-31-04
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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst P. Que

Ahlistine m Wallers
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell X-10	Date Reported:	03-31-04
Laboratory Number:	28240	Date Sampled:	03-29-04
Chain of Custody No:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Extracted:	03-30-04
Preservative:	Cool	Date Analyzed:	03-31-04
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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst

Misture m Walter





Client:	Envirotech	Project #:	
Sample ID:	Cell AA-19	Date Reported:	03-31-04
Laboratory Number:	28241	Date Sampled:	03-29-04
Chain of Custody No:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Extracted:	03-30-04
Preservative:	Cool	Date Analyzed:	03-31-04
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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst

Mustine of Willes





Client:	Envirotech	Project #:	
Sample ID:	Cell BB-16	Date Reported:	03-31-04
Laboratory Number:	28242	Date Sampled:	03-29-04
Chain of Custody No:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Extracted:	03-30-04
Preservative:	Cool	Date Analyzed:	03-31-04
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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst C. Charles

Review Multiple Multiples





Client:	Envirotech	Project #:	
Sample ID:	Cell FF-14	Date Reported:	03-31-04
Laboratory Number:	28243	Date Sampled:	03-29-04
Chain of Custody No:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Extracted:	03-30-04
Preservative:	Cool	Date Analyzed:	03-31-04
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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Alu C. Cylum Analyst Review Maskey



Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	03-31-TPH QA	VQC	Date Reported:		03-31-04
Laboratory Number:	28236		Date Sampled:		N/A
Sample Matrix: `	Methylene Chlor	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		03-31-04
Condition:	N/A		Analysis Reques	sted:	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%
preservange ou ous	02 70 0 1	1.0001 2 002	1.5 1022 002	0.1070	0 1070
Blank Conc. (mg/L - mg/Kg)		Concentration		Detection Lim	it.
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%	Z.ē
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%	
				g trongestallistera groupstalliste	
Spike Conc. (mg/Kg)	Sample	water of the contract of the second of the s	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 28236 - 28243.

Analyst





Client:	Envirotech	Project #:	
Sample ID:	Cell S-16	Date Reported:	03-31-04
Laboratory Number:	28236	Date Sampled:	03-29-04
Chain of Custody:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Analyzed:	03-31-04
Preservative:	Cool	Date Extracted:	03-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzen e	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	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst

Mostine m Walter
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell V-7	Date Reported:	03-31-04
Laboratory Number:	28237	Date Sampled:	03-29-04
Chain of Custody:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Analyzed:	03-31-04
Preservative:	Cool	Date Extracted:	03-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
	ND	4.0	
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	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

analyst





Client:	Envirotech	Project #:	
Sample ID:	Cell V-11	Date Reported:	03-31-04
Laboratory Number:	28238	Date Sampled:	03-29-04
Chain of Custody:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Analyzed:	03-31-04
Preservative:	Cool	Date Extracted:	03-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

	•	Det.	
Parameter	Concentration (ug/Kg)	Limit (ug/Kg)	
	(-3/-3/	(~ <u>9,··-9,</u>	
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	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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst

Mister m Waller
Review





	5	5 "	
Client:	Envirotech	Project #:	
Sample ID:	Cell V-17	Date Reported:	03-31-04
Laboratory Number:	28239	Date Sampled:	03-29-04
Chain of Custody:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Analyzed:	03-31-04
Preservative:	Cool	Date Extracted:	03-30-04
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	99 %	
	1,4-difluorobenzene	99 %	
	Bromochlorobenzene	99 %	

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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst C. Character C.





Client:	Envirotech	Project #:	
Sample ID:	Cell X-10	Date Reported:	03-31-04
Laboratory Number:	28240	Date Sampled:	03-29-04
Chain of Custody:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Analyzed:	03-31-04
Preservative:	Cool	Date Extracted:	03-30-04
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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

nalvst





Client:	Envirotech	Project #:	
Sample ID:	Cell AA-19	Date Reported:	03-31-04
Laboratory Number:	28241	Date Sampled:	03-29-04
Chain of Custody:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Analyzed:	03-31-04
Preservative:	Cool	Date Extracted:	03-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
	(-3.1.5)	(**3***3)
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	99 %
	1,4-difluorobenzene	99 %
*	Bromochlorobenzene	99 %

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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

nalvst





Client:	Envirotech	Project #:	
Sample ID:	Cell BB-16	Date Reported:	03-31-04
Laboratory Number:	28242	Date Sampled:	03-29-04
Chain of Custody:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Analyzed:	03-31-04
Preservative:	Cool	Date Extracted:	03-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter		Det.
	Concentration (ug/Kg)	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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Aller P. Column

Mistere m Walters
Review





Client:	Envirotech	Project #:	
Sample ID:	Cell FF-14	Date Reported:	03-31-04
Laboratory Number:	28243	Date Sampled:	03-29-04
Chain of Custody:	11962	Date Received:	03-29-04
Sample Matrix:	Soil	Date Analyzed:	03-31-04
Preservative:	Cool	Date Extracted:	03-30-04
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	ND 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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm 2 Unit 5.

1st Quarter 2004 Background Sample, 24"-36" below treatment zone.

Analyst C. (Human

Review Malles





Client: Sample ID:	N/A 03-31-BTEX QA/QC	Project #: Date Reported:	N/A 03-31-04
Laboratory Number:	28236	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	03-31-04
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	i-Cal RF:	C-Cal RF: Accept. Ranç	%Diff. je 0 = 15%	Blank Cone	Detect: Limit
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 Du	olicate	%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

_					
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
o,m-Xylene	ND	100	99.9	99.9%	46 - 148
o-Xylene	ND	50.0	49.9	99.8%	46 - 148

References:

 ${\sf Method}\ 5030{\sf B}, \ {\sf Purge-and-Trap}, \ {\sf Test}\ {\sf Methods}\ {\sf for}\ {\sf Evaluating}\ {\sf Solid}\ {\sf Waste}, \ {\sf SW-846}, \ {\sf USEPA}, \\$

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 28236 - 28243.

Analyst

Review Mulcles

CHAIN OF CUSTODY AECORD

Client / Project Name		Project Location				Γ
TANIVETERA			2 M.45		ANALYSIS / PARAMETERS	
Sampler:		Client No.			C	
Bill Carter				to . Sinnera I	- 1	
Sample No./ Sample Identification Date	Sample Time	Lab Number	Sample Matrix		Buckey South	
CEII S-16 3/29/04	(2,00	28236	- 3	7	241-36" Below	•
Cell V-7	1212	78237)	1 1	
Ceil V-11	72:30	28236		7		
Ceil V-17	12:45	28239		7		T
رن/- X - ارنع	12116	0725		7		T
Ceil AA-19	13:30	14582		7		T
Cell 88-16	(78262	-	7		
Cell FF-14		24243)		1
						<u> </u>
Relinguished by:(Signature)		Date 3/24/o4	Time /6.30	Received by: (Signature)	Date Time	j j
Reinquished by: (Signature)				Received by: (Signature)	1	· ·
Relinquished by: (Signature)			Œ	Received by: (Signature)		
		1000	2	ROTECHING	Sample Receipt	_
					Y N/A	4
		u.	5796 U.S. Highway 64 Farmington, New Mexico 8' (505) 632-0615	5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615	Received Intact Cool - Ice/Blue Ice	
		The same of the sa				



December 30, 2003

Ms. Martyne J. Kieling State of New Mexico Oil Conservation Division 2040 S. Pacheco Santa Fe, New Mexico 87505

Dear Ms. Kieling

Envirotech, Inc. respectfully submits background sampling results for Envirotech Soil Remediation Facility (ESRF), Landfarm # 2 Unit 5, Hilltop, New Mexico. Enclosed are the fourth quarter background samples for 2003.

The following is a list of the cells samples all at a depth of 24"-36" below the treatment zone.

Fourth Quarter December 2003

Cells: Q-7, S-17, U-15, W-20, X-9, Z-18, DD-18 and HH-15.

Should you have any questions or require additional information, please do not hesitate to contact me at (505) 632-0615.

Respectfully submitted, **Envirotech, Inc.**

Mustime M. Walters

Christine M. Walters

Laboratory Coordinator / Environmental Scientist

CMW/cmw





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell Q-7	Date Reported:	12-09-03
Laboratory Number:	27332	Date Sampled:	12-05-03
Chain of Custody No:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-09-03
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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Samples 24"-36" below Treatment Zone.

Analyst C. Oglina

Mistine m Walters
(Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell S-17	Date Reported:	12-09-03
Laboratory Number:	27333	Date Sampled:	12-05-03
Chain of Custody No:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-09-03
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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Samples 24"-36" below Treatment Zone.

Analyst C. Opin

Mustine m Walters
Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell U-15	Date Reported:	12-09-03
Laboratory Number:	27334	Date Sampled:	12-05-03
Chain of Custody No:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-09-03
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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Samples 24"-36" below Treatment Zone.

Analyst T. Church

A Mistine m Wasters Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell W-20	Date Reported:	12-09-03
Laboratory Number:	27335	Date Sampled:	12-05-03
Chain of Custody No:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-09-03
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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Samples 24"-36" below Treatment Zone.

Allen C. Cymru Analyst

/ Musture m Walles





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell X-9	Date Reported:	12-09-03
Laboratory Number:	27336	Date Sampled:	12-05-03
Chain of Custody No:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-09-03
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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Samples 24"-36" below Treatment Zone.

April C. Cycen

A Mustine of Wasters
Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell Z-18	Date Reported:	12-09-03
Laboratory Number:	27337	Date Sampled:	12-05-03
Chain of Custody No:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-09-03
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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Samples 24"-36" below Treatment Zone.

Analyst

A Mixtene m Wasters
Review





Client:	Envirotech, Inc.	Project #:	•
Sample ID:	Cell DD-18	Date Reported:	12-09-03
Laboratory Number:	27338	Date Sampled:	12-05-03
Chain of Custody No:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-09-03
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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Samples 24"-36" below Treatment Zone.

Aller C. Character

Amotine m Walters
Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell HH-15	Date Reported:	12-09-03
Laboratory Number:	27339	Date Sampled:	12-05-03
Chain of Custody No:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-09-03
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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Samples 24"-36" below Treatment Zone.

Analyst C. Column

Mistine m Worlden
Review





Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	12-09-TPH QA	VQC	Date Reported:		12-09-03
Laboratory Number:	27332		Date Sampled:		N/A
Sample Matrix:	Methylene Chlor	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		12-09-03
Condition:	N/A		Analysis Reques	ted:	TPH
and the second s	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept, Range
Gasoline Range C5 - C10	04-29-03	1.8591E-002	1.8572E-002	0.10%	0 - 15%
Diesel Range C10 - C28	04-29-03	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	i
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%

ND - Parameter not detected at the stated detection limit.

References:

Diesel Range C10 - C28

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

250

100.0%

75 - 125%

250

SW-846, USEPA, December 1996.

Comments:

QA/QC for samples 27332 - 27339.

ND

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Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell Q-7	Date Reported:	12-09-03
Laboratory Number:	27332	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Extracted:	12-08-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Componentian	Det.
Parameter	Concentration (ug/Kg)	Limit (ug/Kg)
		(5 - 5)
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	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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

Alem T. Cefuna

/ Mutine m) Wallers
Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell S-17	Date Reported:	12-09-03
Laboratory Number:	27333	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Extracted:	12-08-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Doromotor	Concentration (ug/Kg)	Det. Limit
Parameter	(ug/Ng)	(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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

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Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell U-15	Date Reported:	12-09-03
Laboratory Number:	27334	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Extracted:	12-08-03
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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

Analyst

Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell W-20	Date Reported:	12-09-03
Laboratory Number:	27335	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Extracted:	12-08-03
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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

Analyst

Moutine m Walles
Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell X-9	Date Reported:	12-09-03
Laboratory Number:	27336	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Extracted:	12-08-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

	* P **		
Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Parama	ND	4.0	
Benzene	ND 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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

Analyst

Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell Z-18	Date Reported:	12-09-03
Laboratory Number:	27337	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Extracted:	12-08-03
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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

Analyst

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Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell DD-18	Date Reported:	12-09-03
Laboratory Number:	27338	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Extracted:	12-08-03
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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

Analyst

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Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell HH-15	Date Reported:	12-09-03
Laboratory Number:	27339	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Extracted:	12-08-03
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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

Analyst

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Review





Client:	N/A	Project #:	N/A
Sample ID:	12-09-BTEX QA/QC	Date Reported:	12-09-03
Laboratory Number:	27332	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-09-03
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	J-Cal RF:	C-Cal RF: Accept. Rang	%Diff. ge 0 - 15%	Blank Conc	Detect. Limit	
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 Du	iplicate	%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 Amo	unt Spiked Spik	ed 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 27332 - 27339.

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Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell Q-7	Date Reported:	12-09-03
Laboratory Number:	27332	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Digested:	12-09-03
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.001	0.001	5.0
Barium	1.82	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.002	0.001	5.0
Lead	0.001	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

Analyst

Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell S-17	Date Reported:	12-09-03
Laboratory Number:	27333	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Digested:	12-09-03
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.003	0.001	5.0
Barium	1.93	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.004	0.001	5.0
Lead	0.003	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.002	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

Analyst

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Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell U-15	Date Reported:	12-09-03
Laboratory Number:	27334	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Çool	Date Digested:	12-09-03
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.001	0.001	5.0
			5.0
Barium	1.64	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.002	0.001	5.0
Lead	0.002	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

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Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell W-20	Date Reported:	12-09-03
Laboratory Number:	27335	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Digested:	12-09-03
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)	
Araonia	0.002	0.004	r 0	
Arsenic	0.002	0.001	5.0	
Barium	1.77	0.001	100	
Cadmium	ND	0.001	1.0	
Chromium	0.001	0.001	5.0	
Lead	0.001	0.001	5.0	
Mercury	ND	0.001	0.2	
Selenium	0.001	0.001	1.0	
Silver	ND	0.001	5.0	

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell X-9	Date Reported:	12-09-03
Laboratory Number:	27336	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Digested:	12-09-03
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration ter (mg/Kg)		TCLP Regulatory Level (mg/Kg)	
Arsenic	0.001	0.001	5.0	
Barium	1.52	0.001	100	
Cadmium	ND	0.001	1.0	
Chromium	0.001	0.001	5.0	
Lead	0.001	0.001	5.0	
Mercury	ND	0.001	0.2	
Selenium	0.001	0.001	1.0	
Silver	ND	0.001	5.0	

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell Z-18	Date Reported:	12-09-03
Laboratory Number:	27337	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Digested:	12-09-03
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)	
Arsenic	ND	0.001	5.0	
Barium	1.68	0.001	100	
Cadmium	ND	0.001	1.0	
Chromium	0.001	0.001	5.0	
Lead	0.001	0.001	5.0	
Mercury	ND	0.001	0.2	
Selenium	ND ·	0.001	1.0	
Silver	ND	0.001	5.0	

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell DD-18	Date Reported:	12-09-03
Laboratory Number:	27338	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Digested:	12-09-03
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)	
Arsenic	0.002	0.001	5.0	
Barium	1.92	0.001	100	
Cadmium	ND	0.001	1.0	
Chromium	0.002	0.001	5.0	
Lead	0.002	0.001	5.0	
Mercury	ND	0.001	0.2	
Selenium	0.001	0.001	1.0	
Silver	ND	0.001	5.0	

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

Analyst

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Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell HH-15	Date Reported:	12-09-03
Laboratory Number:	27339	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil	Date Analyzed:	12-09-03
Preservative:	Cool	Date Digested:	12-09-03
Condition:	Cool & Intact	Analysis Needed:	RCRA Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)	
	0.004	0.004		
Arsenic	0.004	0.001	5.0	
Barium	1.81	0.001	100	
Cadmium	ND	0.001	1.0	
Chromium	0.002	0.001	5.0	
Lead	0.003	0.001	5.0	
Mercury	ND	0.001	0.2	
Selenium	0.003	0.001	1.0	
Silver	ND	0.001	5.0	

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

Analyst

Review





TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	12-09-03 QA/AC	Date Reported:	12-09-03
Laboratory Number:	27332	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	12-09-03
Condition:	N/A	Date Digested:	12-09-03

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/L)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Barium	ND	ND	0.001	1.82	1.80	1.1%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Lead	ND	ND	0.001	0.001	0.001	0.0%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/Kg)	Spike Added	Sample	e Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.500	0.001	0.500	99.8%	80% - 120%
Barium	0.500	1.82	2.30	99.1%	80% - 120%
Cadmium	0.500	ND	0.499	99.8%	80% - 120%
Chromium	0.500	0.002	0.501	99.8%	80% - 120%
Lead	0.500	0.001	0.500	99.8%	80% - 120%
Mercury	0.050	ND	0.050	100.0%	80% - 120%
Selenium	0.500	ND	0.498	99.6%	80% - 120%
Silver	0.500	ND	0.499	99.8%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for samples 27332 - 27339.





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell Q-7	Date Reported:	12-09-03
Laboratory Number:	27332	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil Extract	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-08-03
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		Units
pH	8.90	S.U.		Units
Conductivity @ 25° C	124	umhos/cm		
, -				
Total Dissolved Solids @ 180C	116	mg/L		
Total Dissolved Solids (Calc)	116	mg/L		
SAR	2.5	ratio		
Total Alkalinity as CaCO3	29.0	mg/L		
Total Hardness as CaCO3	29.2	mg/L		
Bicarbonate as HCO3	29.0	mg/L	0.48	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	3.0	mg/L	0.05	meq/L
Nitrite Nitrogen	<0.001	mg/L	0.00	meq/L
Chloride	3.2	mg/L	0.09	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	23.5	mg/L	0.74	meq/L
Sulfate	26.7	mg/L	0.56	meq/L
Iron	<0.001	mg/L	0.00	meq/L
Calcium	10.2	mg/L	0.51	meq/L
Magnesium	0.93	mg/L	0.08	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	30.5	mg/L	1.33	meq/L
Cations		•	1.91	meq/L
Anions			1.91	meq/L
Cation/Anion Difference			0.00%	

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

Comments: Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment, Zone.

Misterier Walters
Analyst





Client: Project #: Envirotech, Inc. Sample ID: Cell S-17 Date Reported: 12-09-03 Laboratory Number: 27333 Date Sampled: 12-05-03 Chain of Custody: 11592 Date Received: 12-05-03 Date Extracted: Sample Matrix: Soil Extract 12-08-03 Preservative: Cool Date Analyzed: 12-08-03 Condition: Cool & Intact

_	Analytical			1.
Parameter	Result	Units		Units
pH	6.99	s.u.		
Conductivity @ 25° C	109	umhos/cm		
Total Dissolved Solids @ 180C	58.0	mg/L		
Total Dissolved Solids (Calc)	59.2	mg/L		
SAR	0.4	ratio		
Total Alkalinity as CaCO3	14.6	mg/L		
Total Hardness as CaCO3	39.0	mg/L		
Bicarbonate as HCO3	14.6	mg/L	0.24	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	0.20	mg/L	0.00	meq/L
Chloride	17.4	mg/L	0.49	meq/L
Fluoride	0.28	mg/L	0.01	meq/L
Phosphate	1.2	mg/L	0.04	meq/L
Sulfate	10.8	mg/L	0.22	meq/L
Iron	0.021	mg/L	0.00	meq/L
Calcium	13.0	mg/L	0.65	meq/L
Magnesium	1.61	mg/L	0.13	meq/L
Potassium	0.06	mg/L	0.00	meq/L
Sodium	5.4	mg/L	0.23	meq/L
Cations			1.02	meq/L
Anions			1.02	meq/L
Cation/Anion Difference			0.20%	

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

Comments: Landfarm #2 Unit 5.

Analyst

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

Review

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Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell U-15	Date Reported:	12-09-03
Laboratory Number:	27334	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil Extract	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-08-03
Condition:	Cool & Intact		

	Analytical			
Parameter	Result	Units		Units
рН	6.91	s.u.		
Conductivity @ 25° C	86.9	umhos/cm		
Total Dissolved Solids @ 180C	54.4	mg/L		
Total Dissolved Solids (Calc)	53.5	mg/L		
SAR	0.3	ratio		
Total Alkalinity as CaCO3	9.0	mg/L		
Total Hardness as CaCO3	29.5	mg/L		
Bicarbonate as HCO3	9.0	mg/L	0.15	meq/L
Carbonate as CO3	<0.1	.mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meg/L
Nitrate Nitrogen	0.4	mg/L	0.01	meq/L
Nitrite Nitrogen	0.30	mg/L	0.01	meq/L
Chloride	5.0	mg/L	0.14	meq/L
Fluoride	0.43	mg/L	0.02	meq/L
Phosphate	1.3	mg/L	0.04	meg/L
Sulfate	23.6	mg/L	0.49	meq/L
Iron	0.006	mg/L	0.00	meq/L
Calcium	11.4	mg/L	0.57	meq/L
Magnesium	1.12	mg/L	0.09	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	4.5	mg/L	0.20	meq/L
Cations			0.85	meg/L
Anions			0.86	meq/L
Cation/Anion Difference			0.19%	

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

Comments: Landfarm #2 Unit 5.

Analyst

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

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CATION / ANION ANALYSIS

Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell W-20	Date Reported:	12-09-03
Laboratory Number:	27335	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil Extract	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-08-03
Condition:	Cool & Intact		

	Analytical			
Parameter	Result	Units		Units
рН	8.84	s.u.		•
Conductivity @ 25° C	43.2	umhos/cm		
Total Dissolved Solids @ 180C	48.0	mg/L		
Total Dissolved Solids (Calc)	58.7	mg/L		
SAR	1.1	ratio		
Total Alkalinity as CaCO3	24.8	mg/L		
Total Hardness as CaCO3	25.4	mg/L		
Bicarbonate as HCO3	24.8	mg/L	0.41	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	2.2	mg/L	0.04	meq/L
Nitrite Nitrogen	<0.01	mg/L	0.00	meq/L
Chloride	3.0	mg/L	0.08	meq/L
Fluoride	< 0.01	mg/L	0.00	meq/L
Phosphate	16.6	mg/L	0.52	meq/L
Sulfate	<0.1	mg/L	0.00	meq/L
Iron	<0.001	mg/L	0.00	meq/L
Calcium	8.00	mg/L	0.40	meq/L
Magnesium	1.32	mg/L	0.11	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	12.5	mg/L	0.54	meq/L
Cations			1.05	meq/L
Anions			1.05	meq/L
Cation/Anion Difference			0.06%	

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

Comments: Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment

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CATION / ANION ANALYSIS

Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell X-9	Date Reported:	12-09-03
Laboratory Number:	27336	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil Extract	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-08-03
Condition:	Cool & Intact		

Parameter	Analytical Result	Units		Units
рН	7.20	S.u.		Units
Conductivity @ 25° C	147	umhos/cm		
Total Dissolved Solids @ 180C	86.8	mg/L		
Total Dissolved Solids (Calc)	88.5	mg/L		
SAR	0.5	ratio		
Total Alkalinity as CaCO3	15.2	mg/L		
Total Hardness as CaCO3	52.0	mg/L		
Bicarbonate as HCO3	15.2	mg/L	0.25	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	0.7	mg/L	0.01	meq/L
Nitrite Nitrogen	0.20	mg/L	0.00	meq/L
Chloride	7.4	mg/L	0.21	meq/L
Fluoride	0.47	mg/L	0.02	meq/L
Phosphate	1.5	mg/L	0.05	meq/L
Sulfate	40.9	mg/L	0.85	meq/L
Iron	0.002	mg/L	0.00	meq/L
Calcium	18.4	mg/L	0.92	meq/L
Magnesium	1.47	mg/L	0.12	meq/L
Potassium	0.03	mg/L	0.00	meq/L
Sodium	8.2	mg/L	0.36	meq/L
Cations			1.40	meq/L
Anions			1.40	meq/L
Cation/Anion Difference			0.04%	

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

Comments:

Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36 below

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Review





CATION / ANION ANALYSIS

Client: Project #: Envirotech, Inc. Date Reported: Sample ID: Cell Z-18 12-09-03 Laboratory Number: 27337 Date Sampled: 12-05-03 Chain of Custody: 11592 Date Received: 12-05-03 Date Extracted: Sample Matrix: Soil Extract 12-08-03 Preservative: Cool Date Analyzed: 12-08-03 Condition: Cool & Intact

_	Analytical			
Parameter	Result	Units		Units
рН	7.75	s.u.		
Conductivity @ 25° C	92.2	umhos/cm		
Total Dissolved Solids @ 180C	47.2	mg/L		
Total Dissolved Solids (Calc)	41.2	mg/L		
SAR	0.0	ratio		
Total Alkalinity as CaCO3	15.6	mg/L		
Total Hardness as CaCO3	36.6	mg/L		
Bicarbonate as HCO3	15.6	mg/L	0.26	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	1.6	mg/L	0.03	meq/L
Nitrite Nitrogen	0.80	mg/L	0.02	meq/L
Chloride	8.0	mg/L	0.23	meq/L
Fluoride	0.09	mg/L	0.00	meq/L
Phosphate	7.0	mg/L	0.22	meq/L
Sulfate	<0.1	mg/L	0.00	meq/L
Iron	0.105	mg/L	0.00	meq/L
Calcium	12.5	mg/L	0.62	meq/L
Magnesium	1.32	mg/L	0.11	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	0.4	mg/L	0.02	meq/L
Cations			0.75	meg/L
Anions			0.75	meq/L

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

Comments: Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36'/ below Treatment

Analyst Multiple Manalyst

Cation/Anion Difference

0.28%





CATION / ANION ANALYSIS

Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell DD-18	Date Reported:	12-09-03
Laboratory Number:	27338	Date Sampled:	12-05-03
Chain of Custody:	11592	Date Received:	12-05-03
Sample Matrix:	Soil Extract	Date Extracted:	12-08-03
Preservative:	Cool	Date Analyzed:	12-08-03
Condition:	Cool & Intact		

	Analytical			
Parameter	Result	Units		Units
pH	8.04	s.u.		
Conductivity @ 25° C	66.0	umhos/cm		
Total Dissolved Solids @ 180C	42.2	mg/L		
Total Dissolved Solids (Calc)	41.4	mg/L		
SAR	0.3	ratio		
Total Alkalinity as CaCO3	13.4	mg/L		
Total Hardness as CaCO3	26.0	mg/L		
Bicarbonate as HCO3	13.4	mg/L	0.22	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	0.7	mg/L	0.01	meq/L
Nitrite Nitrogen	0.40	mg/L	0.01	meq/L
Chloride	5.2	mg/L	0.15	meq/L
Fluoride	0.06	mg/L	0.00	meq/L
Phosphate	2.3	mg/L	0.07	meq/L
Sulfate	11.1	mg/L	0.23	meq/L
Iron	0.021	mg/L	0.00	meq/L
Calcium	8.16	mg/L	0.41	meq/L
Magnesium	1.37	mg/L	0.11	meq/L
Potassium	0.06	mg/L	0.00	meq/L
Sodium	3.9	mg/L	0.17	meq/L
Cations			0.69	meg/L
Anions			0.69	meq/L
Cation/Anion Difference			0.20%	

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

Comments: Landfarm #2 Unit 5.

4th Quarter 2003 Background Sample 24"-36" below Treatment Zone.

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Client: Project #: Envirotech, Inc. Sample ID: Date Reported: 12-09-03 Cell HH-15 Date Sampled: 12-05-03 27339 Laboratory Number: Chain of Custody: 11592 Date Received: 12-05-03 Date Extracted: 12-08-03 Sample Matrix: Soil Extract Date Analyzed: 12-08-03 Preservative: Cool Condition: Cool & Intact

	Analytical			
Parameter	Result	Units		Units
рН	8.29	s.u.		
Conductivity @ 25° C	75.0	umhos/cm		
Total Dissolved Solids @ 180C	56.6	mg/L		
Total Dissolved Solids (Calc)	58.6	mg/L		
SAR	0.7	ratio		
Total Alkalinity as CaCO3	24.0	mg/L		
Total Hardness as CaCO3	31.8	mg/L		
Bicarbonate as HCO3	24.0	mg/L	0.39	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	2.6	mg/L	0.04	meq/L
Nitrite Nitrogen	<0.01	mg/L	0.00	meq/L
Chloride	6.8	mg/L	0.19	meq/L
Fluoride	<0.01	mg/L	0.00	meq/L
Phosphate	13.5	mg/L	0.43	meq/L
Sulfate	<0.1	mg/L	0.00	meq/L
Iron	<0.001	mg/L	0.00	meq/L
Calcium	9.60	mg/L	0.48	meq/L
Magnesium	1.90	mg/L	0.16	meq/L
Potassium	<0.01	mg/L	0.00	meq/L
Sodium	9.6	mg/L	0.42	meq/L
Cations			1.05	meq/L
Anions	•		1.05	meq/L
Cation/Anion Difference			0.06%	

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

Comments: Landfarm #2 Unit 5.

Ath Quarter 2003 Background Sample 24"-36" below Treatment Zone

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CHAIN OF CUSTODY RECORD

			Project Location	K 1 (#			ANALYSIS / PARAMETERS	RAMETERS	
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Sampler:			Client No.		o. of tainers	(8)	5104	Remarks 177 (177)	6
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	noO		COT	Beckerand 20	Somoles Somoles
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5-17	025 63 9.00	9.00	27333		2		>	Treetment To	Zone
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	12 4508 9750	450	27337		7	7	>		
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71-11	13:503 10:30	10133	27335	-\	7	7	>		
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				5796 U.S. Highway 64 Farmington, New Mexico 87401	hway 64 Jexico 87	401		Received Intact	
		-		(505) 632-0615	0615	· •	-	Cool - Ice/Blue Ice	





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell O-11	Date Reported:	10-01-03
Laboratory Number:	26735	Date Sampled:	09-29-03
Chain of Custody:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Analyzed:	10-01-03
Preservative:	Cool	Date Extracted:	10-01-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.
Davassatain	Concentration	Limit
Parameter	(ug/Kg)	(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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst

Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell O-17	Date Reported:	10-01-03
Laboratory Number:	26736	Date Sampled:	09-29-03
Chain of Custody:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Analyzed:	10-01-03
Preservative:	Cool	Date Extracted:	10-01-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

		And the second second
		Det.
	Concentration	Limit
Parameter	(ug/Kg)	(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	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst P. O

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Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell Q-13	Date Reported:	10-01-03
Laboratory Number:	26737	Date Sampled:	09-29-03
Chain of Custody:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Analyzed:	10-01-03
Preservative:	Cool	Date Extracted:	10-01-03
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	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst

Mixture Muheters
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell S-6	Date Reported:	10-01-03
Laboratory Number:	26738	Date Sampled:	09-29-03
Chain of Custody:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Analyzed:	10-01-03
Preservative:	Cool	Date Extracted:	10-01-03
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	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst . Comments

Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell W-9	Date Reported:	10-01-03
Laboratory Number:	26739	Date Sampled:	09-29-03
Chain of Custody:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Analyzed:	10-01-03
Preservative:	Cool	Date Extracted:	10-01-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

		A MILY
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	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst

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Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell W-18	Date Reported:	10-01-03
Laboratory Number:	26740	Date Sampled:	09-29-03
Chain of Custody:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Analyzed:	10-01-03
Preservative:	Cool	Date Extracted:	10-01-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.
_	Concentration	Limit
Parameter	(ug/Kg)	(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	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst

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Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell AA-17	Date Reported:	10-01-03
Laboratory Number:	26741	Date Sampled:	09-29-03
Chain of Custody:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Analyzed:	10-01-03
Preservative:	Cool	Date Extracted:	10-01-03
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	95 %	
	1,4-difluorobenzene	95 %	
	Bromochlorobenzene	95 %	

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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

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Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell EE-15	Date Reported:	10-01-03
Laboratory Number:	26742	Date Sampled:	09-29-03
Chain of Custody:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Analyzed:	10-01-03
Preservative:	Cool	Date Extracted:	10-01-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

		Det.
	Concentration	Limit
Parameter	(ug/Kg)	(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	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst

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Review





Client:	N/A	Project #: Date Reported: Date Sampled:	N/A
Sample ID:	10-01-BTEX QA/QC		10-01-03
Laboratory Number:	26735		N/A
Sample Matrix: Preservative: Condition:	Soil	Date Received:	N/A
	N/A	Date Analyzed:	10-01-03
	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept. Rang		Blank Conc	Detect.
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 Du	iplicate	%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 Amo	unt Spiked Spik	ed 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 26735 - 26742.

Analyst

Review





011	.		
Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell O-11	Date Reported:	10-01-03
Laboratory Number:	26735	Date Sampled:	09-29-03
Chain of Custody No:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Extracted:	10-01-03
Preservative:	Cool	Date Analyzed:	10-01-03
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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst

Mistinery Waltey
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell O-17	Date Reported:	10-01-03
Laboratory Number:	26736	Date Sampled:	09-29-03
Chain of Custody No:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Extracted:	10-01-03
Preservative:	Cool	Date Analyzed:	10-01-03
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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst C. Officer

Mustine Maltes
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell Q-13	Date Reported:	10-01-03
Laboratory Number:	26737	Date Sampled:	09-29-03
Chain of Custody No:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Extracted:	10-01-03
Preservative:	Cool	Date Analyzed:	10-01-03
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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst

/ Mustine m Walters
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell S-6	Date Reported:	10-01-03
Laboratory Number:	26738	Date Sampled:	09-29-03
Chain of Custody No:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Extracted:	10-01-03
Preservative:	Cool	Date Analyzed:	10-01-03
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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst

Mistine m Walters
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell W-9	Date Reported:	10-01-03
Laboratory Number:	26739	Date Sampled:	09-29-03
Chain of Custody No:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Extracted:	10-01-03
Preservative:	Cool	Date Analyzed:	10-01-03
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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst

(Mistine m Walters Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell W-18	Date Reported:	10-01-03
Laboratory Number:	26740	Date Sampled:	09-29-03
Chain of Custody No:	11366	Date Received:	09-29-03
Sample Matrix:	Soil .	Date Extracted:	10-01-03
Preservative:	Cool	Date Analyzed:	10-01-03
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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst C. Cox

Mistine m Walters
Review





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell AA-17	Date Reported:	10-01-03
Laboratory Number:	26741	Date Sampled:	09-29-03
Chain of Custody No:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Extracted:	10-01-03
Preservative:	Cool	Date Analyzed:	10-01-03
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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst

Review Mister





Client:	Envirotech Inc.	Project #:	
Sample ID:	Cell EE-15	Date Reported:	10-01-03
Laboratory Number:	26742	Date Sampled:	09-29-03
Chain of Custody No:	11366	Date Received:	09-29-03
Sample Matrix:	Soil	Date Extracted:	10-01-03
Preservative:	Cool	Date Analyzed:	10-01-03
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:

Landfarm #2 Unit 5.

3rd Quarter 2003 Background Sample, 24"-36" Below Treatment Zone.

Analyst

(Mistine m Whetes





Quality Assurance Report

· · · · · · · · · · · · · · · · · · ·			· · · · · · ·		
Client:	QA/QC		Project #:		N/A
Sample ID:		A/QC	Date Reported:		10-01-03
Laboratory Number:	26735		Date Sampled:		N/A
Sample Matrix:	Methylene Chlo	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		10-01-03
Condition:	N/A		Analysis Reques	sted:	TPH
Parameter and the second	10154	10 IDE	00.05	- 0/- D'W	
Caralina Paras C5 C40	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept, Range
Gasoline Range C5 - C10	04-29-03	1.8591E-002	1.8572E-002	0.10%	0 - 15%
Diesel Range C10 - C28	04-29-03	1.5507E-002	1.5492E-002	0.10%	0 - 15%
Blank Conc. (mg/L - mg/Kg)	Concentration	M.	Detection Limit	
Gasoline Range C5 - C10	*2:) - 2:::::::::::::::::::::::::::::::::	ŅD		0.2	ž.
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 26735 - 26742, 26749.

nalvst

Review

CHAIN OF CUSTODY RECORD

Client / Project Name			Project continu						
		<u>-</u>	יסופכר בסכמווסוו				ANALYSIS / PARAMETERS	AAMETERS	
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Sampler:			Client No.		S.	,			Remarks
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Sample No./ San Identification Da	Sample S Date	Sample Time	Lab Number	Sample Matrix	N Conta	5119 7 78 5119		ر ح	stouter 2003
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Cell 0-13		13,40	26737		-	7			
Ce11 S-6		8,6	24738		_	>			
Cell W-9	9	0216	26739			>			
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				5796 U.S. Highway 64 Farmington, New Mexico 87401	ghway 6 Mexico	4 87401		Received Intact	
				(505) 632-0615	-0615			Cool - Ice/Blue Ice	7





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell R-14 / LF #2 - 5	Date Reported:	06-24-03
Laboratory Number:	25941	Date Sampled:	06-20-03
Chain of Custody No:	11065	Date Received:	06-20-03
Sample Matrix:	Soil	Date Extracted:	06-23-03
Preservative:	Cool	Date Analyzed:	06-24-03
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:

Landfarm #2 Unit 5 2nd Quarter Background 2003.

Sample 24" - 36" below treatment zone.

Analyst

/ Mistine m Waltons
Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell R-8 / LF #2 - 5	Date Reported:	06-24-03
Laboratory Number:	25942	Date Sampled:	06-20-03
Chain of Custody No:	11065	Date Received:	06-20-03
Sample Matrix:	Soil	Date Extracted:	06-23-03
Preservative:	Cool	Date Analyzed:	06-24-03
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:

Landfarm #2 Unit 5 2nd Quarter Background 2003.

Sample 24" - 36" below treatment zone.

Analyst

Review Misters

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell P-12 / LF #2 - 5	Date Reported:	06-24-03
Laboratory Number:	25943	Date Sampled:	06-20-03
Chain of Custody No:	11065	Date Received:	06-20-03
Sample Matrix:	Soil	Date Extracted:	06-23-03
Preservative:	Cool	Date Analyzed:	06-24-03
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:

Landfarm #2 Unit 5 2nd Quarter Background 2003.

Sample 24" - 36" below treatment zone.

Analyst C. Que

Mistine my Walters
Review





·		
Envirotech, Inc.	Project #:	
Cell T-17 / LF #2 - 5	Date Reported:	06-24-03
25944	Date Sampled:	06-20-03
11065	Date Received:	06-20-03
Soil	Date Extracted:	06-23-03
Cool	Date Analyzed:	06-24-03
Cool and Intact	Analysis Requested:	8015 TPH
	Cell T-17 / LF #2 - 5 25944 11065 Soil Cool	Cell T-17 / LF #2 - 5 Date Reported: 25944 Date Sampled: 11065 Date Received: Soil Date Extracted: Cool Date Analyzed:

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:

Landfarm #2 Unit 5 2nd Quarter Background 2003.

Sample 24" - 36" below treatment zone.

Analyst C. Cyl

Mistine of Wallers
Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell W-19 / LF #2 - 5	Date Reported:	06-24-03
Laboratory Number:	25945	Date Sampled:	06-20-03
Chain of Custody No:	11065	Date Received:	06-20-03
Sample Matrix:	Soil	Date Extracted:	06-23-03
Preservative:	Cool	Date Analyzed:	06-24-03
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:

Landfarm #2 Unit 5 2nd Quarter Background 2003.

Sample 24" - 36" below treatment zone.

Analyst C. Colombia

Mistere m Walter





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell Z-16 / LF #2 - 5	Date Reported:	06-24-03
Laboratory Number:	25946	Date Sampled:	06-20-03
Chain of Custody No:	11065	Date Received:	06-20-03
Sample Matrix:	Soil	Date Extracted:	06-23-03
Preservative:	Cool	Date Analyzed:	06-24-03
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND 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:

Landfarm #2 Unit 5 2nd Quarter Background 2003.

Sample 24" - 36" below treatment zone.

Analyst

/ Misture of Walter Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell EE-15 / LF #2 - 5	Date Reported:	06-24-03
Laboratory Number:	25947	Date Sampled:	06-20-03
Chain of Custody No:	11065	Date Received:	06-20-03
Sample Matrix:	Soil	Date Extracted:	06-23-03
Preservative:	Cool	Date Analyzed:	06-24-03
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:

Landfarm #2 Unit 5 2nd Quarter Background 2003.

Sample 24" - 36" below treatment zone.

Analyst

Mister my Walters Review





Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	06-24-TPH QA	VQC	Date Reported:		06-24-03
Laboratory Number:	25941		Date Sampled:		N/A
Sample Matrix:	Methylene Chlor	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		06-24-03
Condition:	N/A		Analysis Reques	ted:	TPH
	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	04-29-03	2.6312E-002	2.6286E-002	0.10%	0 - 15%
Diesel Range C10 - C28	04-29-03	2.5849E-002	2.5823E-002	0.10%	0 - 15%
Blank Conc. (mg/L - mg/Kg)	View	Concentration		Detection Limit	
Gasoline Range C5 - C10		ND		0.2	
Diesel Range C10 - C28		ND		0.2	
-		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%	
Secure consequence in a proportion of the consequence of the consequen			soft frankrij Dusti - "Stanta into v Dramonists jur		
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 25941 - 25947, 25957.

Δnalvet





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell R-14 / LF #2 - 5	Date Reported:	06-24-03
Laboratory Number:	25941	Date Sampled:	06-20-03
Chain of Custody:	11065	Date Received:	06-20-03
Sample Matrix:	Soil	Date Analyzed:	06-24-03
Preservative:	Cool	Date Extracted:	06-23-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Concentration	Det. Limit
Parameter	(ug/Kg)	(ug/Kg)
Benzene	ND	1.8
Toluene	ND	1.7
Ethylbenzene	ND	1.5
p,m-Xylene	ND 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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm #2 Unit 5 2nd Quarter Background 2003

Sample 24" - 36" below treatment zone.

Analyst

Mistine of Walter Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell R-8 / LF #2-5	Date Reported:	06-24-03
Laboratory Number:	25942	Date Sampled:	06-20-03
Chain of Custody:	11065	Date Received:	06-20-03
Sample Matrix:	Soil	Date Analyzed:	06-24-03
Preservative:	Cool	Date Extracted:	06-23-03
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	99 %
	1,4-difluorobenzene	99 %
	Bromochlorobenzene	99 %

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:

Landfarm #2 Unit 5 2nd Quarter Background 2003

Sample 24" - 36" below treatment zone.

Analyst

MISTIME M Walley
Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell P-12 / LF #2-5	Date Reported:	06-24-03
Laboratory Number:	25943	Date Sampled:	06-20-03
Chain of Custody:	11065	Date Received:	06-20-03
Sample Matrix:	Soil	Date Analyzed:	06-24-03
Preservative:	Cool	Date Extracted:	06-23-03
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:

Landfarm #2 Unit 5 2nd Quarter Background 2003

Sample 24" - 36" below treatment zone.

Analyst

Mistine of Westers
Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell T-17 / LF #2-5	Date Reported:	06-24-03
Laboratory Number:	25944	Date Sampled:	06-20-03
Chain of Custody:	11065	Date Received:	06-20-03
Sample Matrix:	Soil	Date Analyzed:	06-24-03
Preservative:	Cool	Date Extracted:	06-23-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

	Det.	
	Concentration	Limit
Parameter	(ug/Kg)	(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:

Landfarm #2 Unit 5 2nd Quarter Background 2003

Sample 24" - 36" below treatment zone.

Analyst C. Chi

Mistine of Walles
Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell W-19 / LF #2-5	Date Reported:	06-24-03
Laboratory Number:	25945	Date Sampled:	06-20-03
Chain of Custody:	11065	Date Received:	06-20-03
Sample Matrix:	Soil	Date Analyzed:	06-24-03
Preservative:	Cool	Date Extracted:	06-23-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
	(49/119/	(49/119/
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:

Landfarm #2 Unit 5 2nd Quarter Background 2003

Sample 24" - 36" below treatment zone.

Analyst

Review Walter





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell Z-16 / LF #2-5	Date Reported:	06-24-03
Laboratory Number:	25946	Date Sampled:	06-20-03
Chain of Custody:	11065	Date Received:	06-20-03
Sample Matrix:	Soil	Date Analyzed:	06-24-03
Preservative:	Cool	Date Extracted:	06-23-03
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Dansana	ND	4.0
Benzene Toluene	ND ND	1.8 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.

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

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:

Landfarm #2 Unit 5 2nd Quarter Background 2003

Sample 24" - 36" below treatment zone.

Analyst

Mustine m Wooders
Review





Client:	Envirotech, Inc.	Project #:	
Sample ID:	Cell EE-15 / LF #2-5	Date Reported:	06-24-03
Laboratory Number:	25947	Date Sampled:	06-20-03
Chain of Custody:	11065	Date Received:	06-20-03
Sample Matríx:	Soil	Date Analyzed:	06-24-03
Preservative:	Cool ⁻	Date Extracted:	06-23-03
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:

Landfarm #2 Unit 5 2nd Quarter Background 2003

Sample 24" - 36" below treatment zone.

Analyst

NUDUMU NY 1





———————————————————————————————————————			
Client:	N/A	Project #:	N/A
Sample ID:	06-24-BTEX QA/QC	Date Reported:	06-24-03
Laboratory Number:	25941	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-24-03
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept, Rang		Blank Conc	Detect. Limit
Benzene	3.7241E-002	3.7353E-002	0.3%	ND	0.2
Toluene	4.4375E-002	4.4464E-002	0.2%	ND	0.2
Ethylbenzene	7.5434E-002	7.5661E-002	0.3%	ND	0.2
p,m-Xylene	6.7602E-002	6.7806E-002	0.3%	ND	0.2
o-Xylene	5.7973E-002	5.8089E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Du	plicate	%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 Amo	unt Spiked Spik	ed Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.0	100.0%	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	50.0	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.

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505 • 632 • 0615 • Fax 505 • 632 • 1865

Comments:

QA/QC for samples 25941 - 25947, 25957.

Analyst

CHAIN OF CUSTODY RECORD

RAMETERS		Berkerand 200	Samoles 24-36	below treatmen							Date Timis (2.20, 0.3) / 6, '0.6	}		Sample Receipt	A/N Y	Received Intact Cool - Ice/Blue Ice
ANALYSIS / PARAMETERS			\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\ \ -	\ \ \	\ \ -	/ / /		Received by: (Signature)	Received by: (Signature)	Received by: (Signature)	5		iway 64 exico 87401 1615
#2 unit 5		Sample Matrix	للبغ	30.L	Soil	Soil	Soil	30'L	Soil		Date Time Received 10 10 10 10 10 10 10 10 10 10 10 10 10		Recei			5796 U.S. Highway 64 Farmington, New Mexico 87401 (505) 632-0615
Client / Project Name. Froject Location Londform	Client No.	Sample No./ Sample Sample Lab Number Identification Date Time	1800 R-14 LF#2 6/20/03 10:0000 25941	Call R-8 15#2-5 6/30/03 9:30 AM 25542	cell P-12 (CF#2-5 6/20/03 10:20 19 25943	cell T-17 (CF#2-5 6/20/03 11/00 # 25-944	CEIL WI-19 [LF#2-5 W/20/03 11:20 AM 27945	1211 Z-16 LF#2-5 6/20/03 11:50 AM 25946	dell EE-15 (1042-5 W20/03 12:15 PX 259+7		May	Relinquished by: (Signature)	Relinquished by: (Signature)		118844	





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell S - 19	Date Reported:	06-19-02
Laboratory Number:	23075	Date Sampled:	06-17-02
Chain of Custody No:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Extracted:	06-18-02
Preservative:	Cool	Date Analyzed:	06-19-02
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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" Below Treatment Zone.

Analyst

Mister of Walters





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell BB - 18	Date Reported:	06-19-02
Laboratory Number:	23076	Date Sampled:	06-17-02
Chain of Custody No:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Extracted:	06-18-02
Preservative:	Cool	Date Analyzed:	06-19-02
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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" Below Treatment Zone.

Analyst C. Oglin

(huster of Walter





			•
Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell V - 16	Date Reported:	06-19-02
Laboratory Number:	23077	Date Sampled:	06-17-02
Chain of Custody No:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Extracted:	06-18-02
Preservative:	Cool	Date Analyzed:	06-19-02
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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" Below Treatment Zone.

Analyst C. Oplum

Christin of Watters

Beview





			
Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell EE - 14	Date Reported:	06-19-02
Laboratory Number:	23078	Date Sampled:	06-17-02
Chain of Custody No:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Extracted:	06-18-02
Preservative:	Cool	Date Analyzed:	06-19-02
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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" Below Treatment Zone.

Analyst C. Quin

Mister of Walters Review





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell Q - 16	Date Reported:	06-19-02
Laboratory Number:	23079	Date Sampled:	06-17-02
Chain of Custody No:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Extracted:	06-18-02
Preservative:	Cool	Date Analyzed:	06-19-02
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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" Below Treatment Zone.

Analyst C. Office

Mister of Wallers
Review





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell N - 16	Date Reported:	06-19-02
Laboratory Number:	23080	Date Sampled:	06-17-02
Chain of Custody No:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Extracted:	06-18-02
Preservative:	Cool	Date Analyzed:	06-19-02
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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" Below Treatment Zone.

Analyst C. Cylins

Mister m Walter





01:	Considerate at	Duning A #	04000 005
Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell P - 12	Date Reported:	06-19-02
Laboratory Number:	23081	Date Sampled:	06-17-02
Chain of Custody No:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Extracted:	06-18-02
Preservative:	Cool	Date Analyzed:	06-19-02
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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" Below Treatment Zone.

malyst

Mister of Wellers
Review





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell P - 7	Date Reported:	06-19-02
Laboratory Number:	23082	Date Sampled:	06-17-02
Chain of Custody No:	10011	Date Received:	06-17-02
Sample Matrix:	Soil .	Date Extracted:	06-18-02
Preservative:	Cool	Date Analyzed:	06-19-02
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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" Below Treatment Zone.

Analyst C. Cylina

Pristu my Wolters
Review





Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-19-TPH QA/QC	Date Reported:	06-19-02
Laboratory Number:	23075	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-19-02
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	J-Cal RF;	C-Cal RF;	% Difference	Accept Range
Gasoline Range C5 - C10	04-25-02	2.7355E-002	2.7328E-002	0.10%	0 - 15%
Diesel Range C10 - C28	04-25-02	2.4557E-002	2.4508E-002	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	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 23075 - 23082, 23092.

Analyst

Review





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell S-19	Date Reported:	06-19-02
Laboratory Number:	23075	Date Sampled:	06-17-02
Chain of Custody:	10011	Date Received:	06-17 - 02
Sample Matrix:	Soil	Date Analyzed:	06-19-02
Preservative:	Cool	Date Extracted:	06-18-02
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	94 %	
	1,4-difluorobenzene	94 %	
	Bromochlorobenzene	94 %	

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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" below Treatment Zone.

den C. German

Review





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell BB - 18	Date Reported:	06-19-02
Laboratory Number:	23076	Date Sampled:	06-17-02
Chain of Custody:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Analyzed:	06-19-02
Preservative:	Cool	Date Extracted:	06-18-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	3.5	1.7
Ethylbenzene	2.2	1.5
p,m-Xylene	ND	2.2
o-Xylene	4.2	1.0
Total BTEX	9.9	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	94 %
	1,4-difluorobenzene	94 %
•	Bromochlorobenzene	94 %

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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" below Treatment Zone.

Analyst

/ Mister of Walters _____





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell V - 16	Date Reported:	06-19-02
Laboratory Number:	23077	Date Sampled:	06-17-02
Chain of Custody:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Analyzed:	06-19-02
Preservative:	Cool	Date Extracted:	06-18-02
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		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" below Treatment Zone.

Analyst C. Celina

Mister of Waters
Review





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell EE - 14	Date Reported:	06-19-02
Laboratory Number:	23078	Date Sampled:	06-17-02
Chain of Custody:	10011	Date Received:	06-17-02
Sample Matrix:	Soil 🚬	Date Analyzed:	06-19-02
Preservative:	Cool	Date Extracted:	06-18-02
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	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" below Treatment Zone.

Analyst

Review





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell Q - 16	Date Reported:	06-19-02
Laboratory Number:	23079	Date Sampled:	06-17-02
Chain of Custody:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Analyzed:	06-19-02
Preservative:	Cool	Date Extracted:	06-18-02
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	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" below Treatment Zone.

Analyst

Mistur m Walters
Review





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell N - 16	Date Reported:	06-19-02
Laboratory Number:	23080	Date Sampled:	06-17-02
Chain of Custody:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Analyzed:	06-19-02
Preservative:	Cool	Date Extracted:	06-18-02
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concent (ug/Kg	*	Det. Limit (ug/Kg)	
	.			
Benzene	Α	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	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" below Treatment Zone.

Alle C. Church

Mister of halters
Review





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell P - 12	Date Reported:	06-19-02
Laboratory Number:	23081	Date Sampled:	06-17-02
Chain of Custody:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Analyzed:	06-19-02
Preservative:	Cool	Date Extracted:	06-18-02
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	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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:

Landfarm 2 Unit 5, Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" below Treatment Zone.

Analyst

Mista m Walles





Client:	Envirotech	Project #:	91020-005
Sample ID:	Cell P - 7	Date Reported:	06-19-02
Laboratory Number:	23082	Date Sampled:	06-17-02
Chain of Custody:	10011	Date Received:	06-17-02
Sample Matrix:	Soil	Date Analyzed:	06-19-02
Preservative:	Cool	Date Extracted:	06-18-02
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	95 %
	1,4-difluorobenzene	95 %
	Bromochlorobenzene	95 %

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:

Landfarm 2 Unit 5,/Hilltop, NM.

Second Quarter 2002 Background Sample 24"-36" below Treatment Zone.

Analyst

Review





Client:	N/A	Project #:	N/A
Sample ID:	06-19-BTEX QA/QC	Date Reported:	06-19-02
Laboratory Number:	23075	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-19-02
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	l-CalRF:	C-Cal.RF: Accept. Rang	%Diff, je 0 - 15%	Blank Conc.	Detect.
Benzene	2.6914E-002	2.6995E-002	0.3%	ND	0.2
Toluene	3.3709E-002	3.3777E-002	0.2%	ND	0.2
Ethylbenzene	5.8262E-002	5.8438E-002	0.3%	ND	0.2
p,m-Xylene	7.1891E-002	7.2107E-002	0.3%	ND	0.2
o-Xylene	5.4522E-002	5.4631E-002	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample, Du	olicate	%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 Amo	unt Spiked = Spik	ed 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 23075 - 23082, 23092.

Analyst

CHAIN OF CUSTODY RECORD

Client / Project Name		7	Project Location	\hat{\gamma}			ANALYSIS / PARAMETERS	RAMETERS	
Sampler:			Client No.	1120, W.T.	•			Remarks	1
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(ell EE-14	07:01 50/4/19	05:01	23078	100,		7			$\overline{}$
91-0113	00:11 10/21/9	00://	23079	50.1		7			
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61 -9 11 C	6/17/03 11:50	M:50	73081	<u>-</u> ; &	-	7			
Cell D-7	6/17/02 12:00	12:00	23082	\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.		>			
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									7