

NM1 - 11

APPROVALS

YEAR(S):

2011



New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez
Governor

John H. Bemis
Cabinet Secretary-Designate

Brett F. Woods, Ph.D.
Deputy Cabinet Secretary

Jami Bailey
Division Director
Oil Conservation Division



March 25, 2011

Kyle P. Kerr
Envirotech, Inc.
5796 US Highway 64
Farmington, New Mexico 87401

**RE: Request for Approval to Apply a Successive Lift
Envirotech, Inc.
Commercial Landfarm #2: Permit NM-1-0011
Location: NW/4 Section 6, Township 26 North, Range 10 West, NMPM
San Juan County, New Mexico**

Dear Mr. Kerr:

The Oil Conservation Division (OCD) has reviewed Envirotech, Inc.'s (Envirotech) request, dated May 23, 2011 to grant approval to apply an additional six-inch lift to the following cell(s): **Cells 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20.**

Based upon the analytical results provided, OCD hereby grants Envirotech approval to apply an additional six-inch lift of contaminated soils to the above referenced landfarm cell(s). Envirotech shall ensure that the application of an additional six-inch lift of contaminated soils to the above referenced *landfarm cells* do not exceed the maximum thickness of two feet or 3000 cubic yards per acre limit as specified in 19.15.36.15 NMAC. The "parameter for cubic yardages of 15,000 or less to be applied in each five (5) acre cell," as stated in the May 23, 2011 request, is not equivalent to the regulatory requirement is identified above.

It is OCD's understand, from conversations with Mr. Kyle Kerr; that the thickness of the treatment zone for each cell would be measured and confirmed during the next vadose zone sampling event. The first attempt at satisfying this request did not provide the information requested by OCD. Of the eight documents provided in the May 23, 2011 submittal, very few distinguished which soil profiles represented the treatment zone, the grid scale was not utilized to clearly support the drawings, and one indicated (correctly or incorrectly) that the treatment zone was 32 inches thick.

Oil Conservation Division
1220 South St. Francis Drive • Santa Fe, New Mexico 87505
Phone (505) 476-3440 • Fax (505) 476-3462 • www.emnrd.state.nm.us/OCD



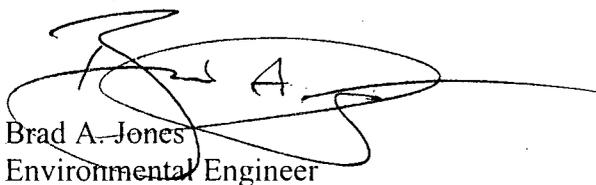
Envirotech, Inc.
Commercial Landfarm #2
Permit NM-1-0011
May 25, 2011
Page 2 of 2

Please provide a format that clearly demonstrates the thickness of the treatment zone in future requests. Also, please note that with the addition of successive lifts Envirotech must initiate treatment zone monitoring and resume vadose zone monitoring. The vadose zone monitoring depth must be adjusted to reach the 2-3 foot zone below the original native ground surface.

Please be advised that approval of this request does not relieve Envirotech of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve Envirotech of its responsibility to comply with any other applicable governmental authority's rules and regulations.

If there are any questions regarding this matter, please do not hesitate to contact me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

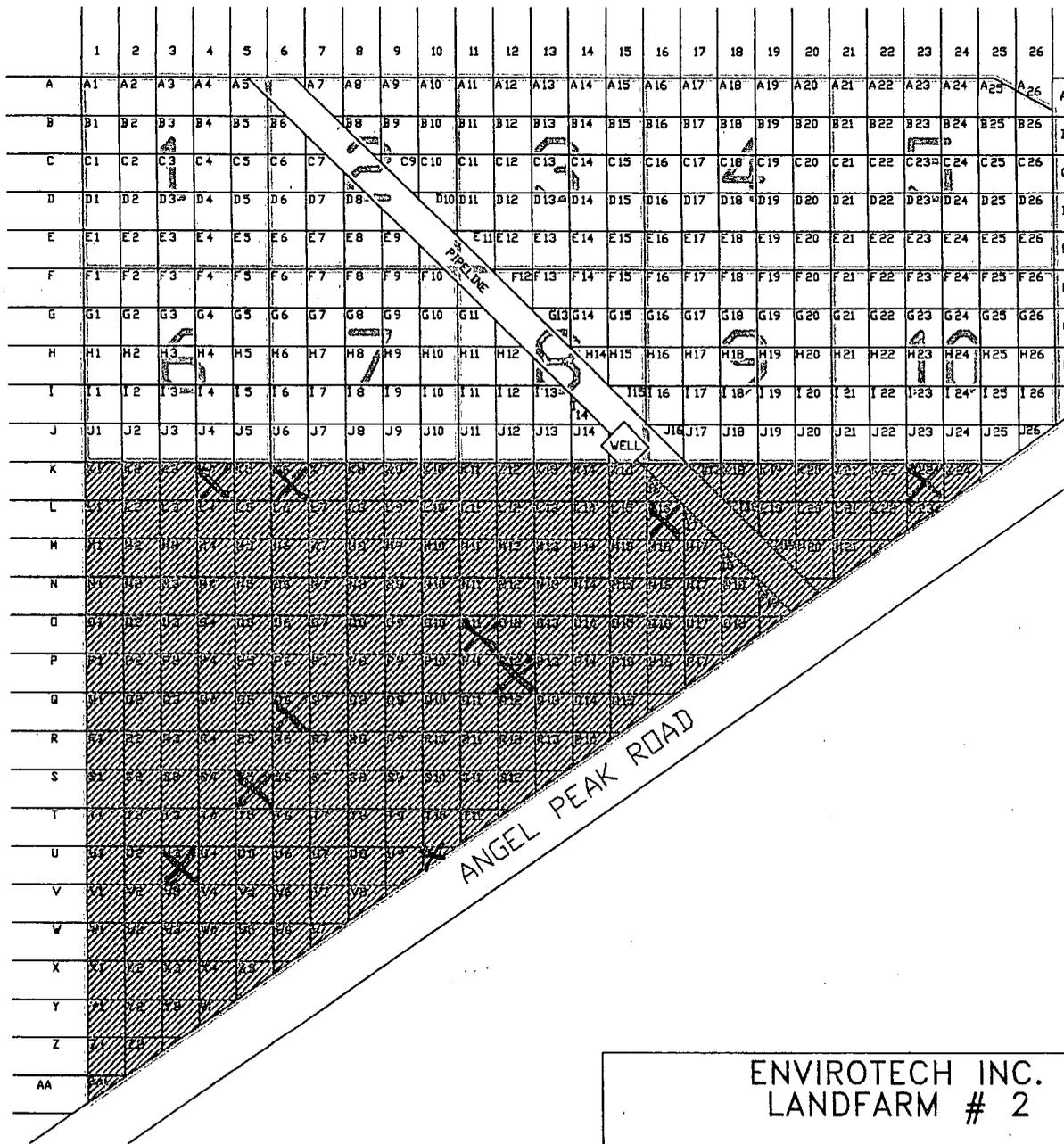


Brad A. Jones
Environmental Engineer

BAJ/baj

Attachment: Facility Map (Revision Date: May 20, 2011)

cc: OCD District III Office, Aztec



KEY

1 - 5 ACRE CELL
 Z1 - CELL LABELS

ENVIROTECH INC.
 LANDFARM # 2

SCALE: NTS	FIGURE NO.	REV
PROJECT NO.		

REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP DRWN	BWW	5-20-11	BASE DRWN



envirotech



RECEIVED OCD

2011 MAY 24 A 11: 50

May 23, 2011

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

RE: ENVIROTECH'S DISCONTINUED MAINTENANCE AND ADDITIONAL LIFT FOR:
CELLS 11, 12, 13, 14, 15, 16, 17, 18, 19 AND 20 IN LANDFARM 2.

Dear Mr. Jones:

Attached please find analytical documentation supporting our request for discontinued maintenance at Envirotech's Land Farm #2 for cells 11, 12, 13, 14, 15, 16, 17, 18, 19 AND 20 in Landfarm 2 located near Hilltop, New Mexico. The area being submitted is shown on the attached map, marked by blue crosshatch design. Individual units are marked by a black "X". As per Envirotech's OCD Rule 711 Permit Approval NM 01-0011 dated April 8, 2000 all cells being requested for discontinued maintenance have passed laboratory analysis of less than 100 ppm TPH, 50 ppm BTEX and 10 ppm Benzene. In addition, Envirotech has sampled for chlorides. As stated in the treatment zone monitoring portion of Envirotech's permit, no cell sampled was larger than five acres. Samples were five-point composites. Vadose zone sampling maps of individual units with depth measurements are included.

The blue cells (11, 12, 13, 14, 15, 16, 17, 18, 19 AND 20) have passed analysis for total petroleum hydrocarbons, benzene, toluene, ethylbenzene and total xylenes as well as chlorides (see attached laboratory results). Envirotech hereby requests these cells be granted discontinued maintenance status and approval to apply an additional lift of qualifying material to these cells.

Given the parameter for cubic yardages of 15,000 or less to be applied in each five (5) acre cell, we are happy to provide the following cubic yard amounts and depth of the treatment zone in a unit in each cell up to this time:

Cell 11: 9,866 cy (Unit K4-16") Cell 12: 10,734 cy (Unit M6-17") Cell 13: 9,140 cy (Unit O11-16")
Cell 14: 5,103 cy (Unit L16-8") Cell 15: 4,407 cy (Unit K23-7") Cell 16: 10,190 cy (Unit S5-16")
Cell 17: 8,818 cy (Unit Q6-14") Cell 18: 5,876 cy (Unit P12-9") Cell 19: 8,116 cy (Unit U3-13")
Cell 20: 2,192 cy (Unit U10-3")

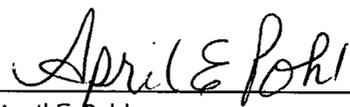
Due to the unusually large amounts of contaminated soil Envirotech has accepted recently, our Land Farm #2 suffers limited space constraints. Envirotech respectfully requests expedition of this matter that to serve the Four Corners region without interruption.

Thank you for your consideration in this matter. If you have any questions or require additional information, please do not hesitate to contact our office at (505) 632-0615.

Respectfully submitted,
Envirotech, Inc.

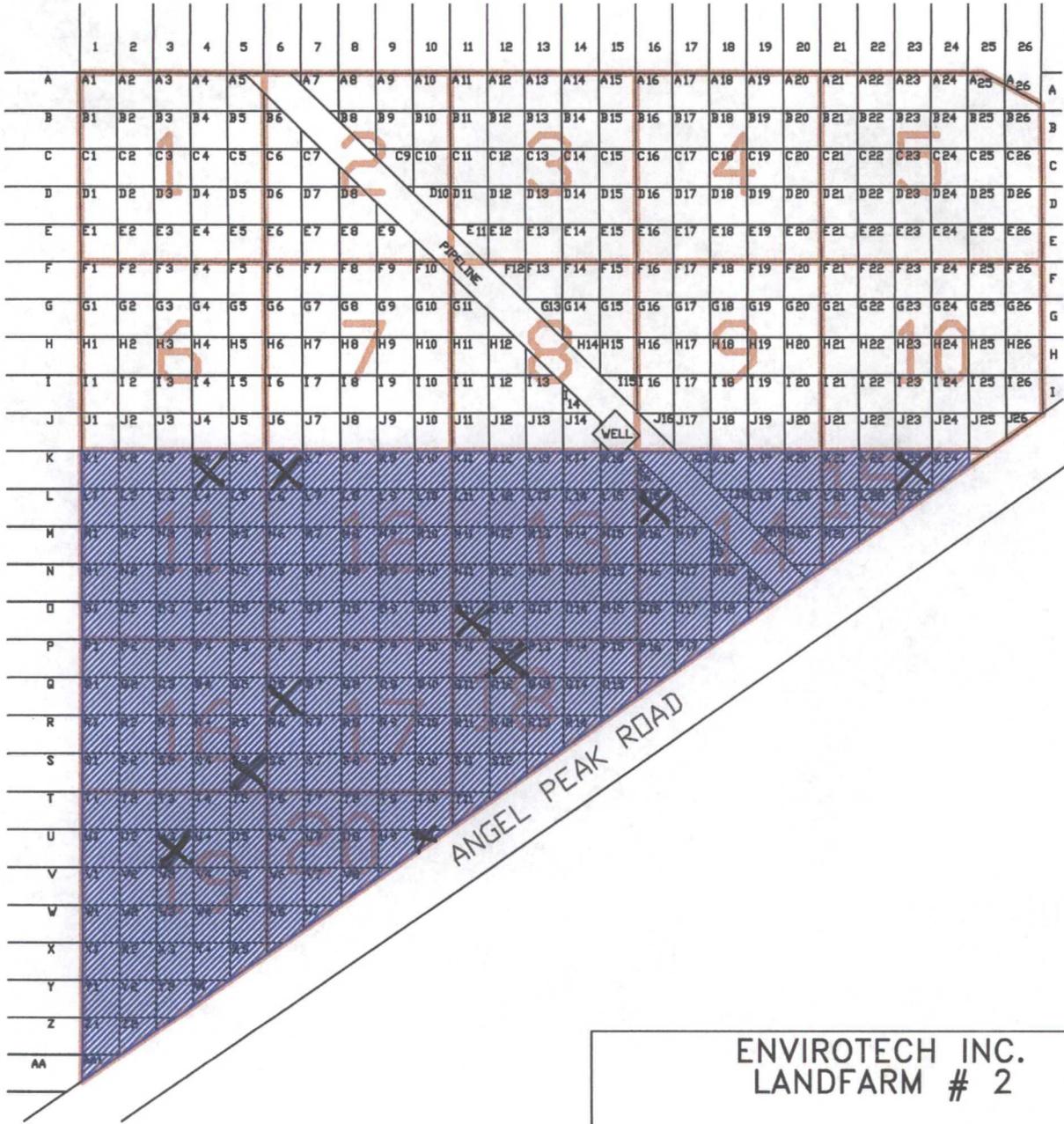


Kyle P. Kerr
Vice President/CHMM
kpkerr@envirotech-inc.com



April E. Pohl
Landfarm Administrator
apohl@envirotech-inc.com

AEP/Office/Corporate/LF/Closure&added lift/5-23-11



ENVIROTECH INC.
LANDFARM # 2

SCALE: NTS		FIGURE NO.		REV
PROJECT NO.				
REVISIONS				
NO.	DATE	BY	DESCRIPTION	
MAP DRWN	BWW	5-20-11	BASE DRWN	

KEY

- 1 - 5 ACRE CELL
- Z1 - CELL LABELS



ENVIROTECH, Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C #: _____

**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**

JOB No: _____
PAGE No: _____ of _____

FACILITY LOCATION: Envirotech Landfarm 2
SOURCE LOCATION: _____
SOURCE LOCATION: K4
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 2/23/11
DATE FINISHED: 2/23/11
ENVIRONMENTAL SPECIALIST: EHC

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

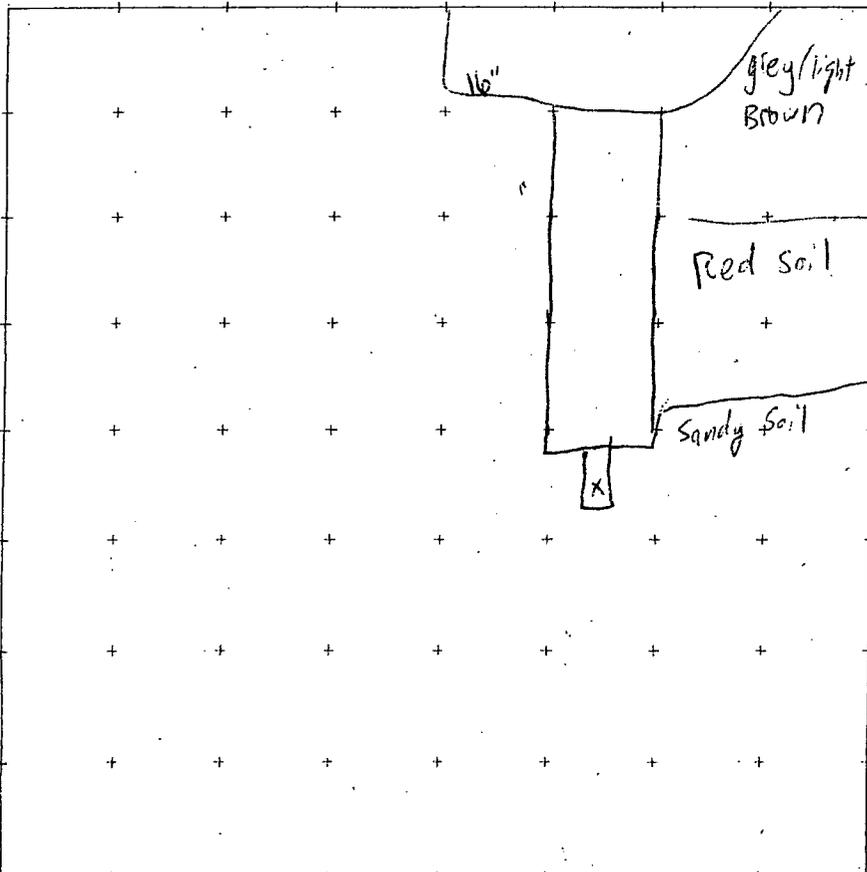
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER:
MAX TPH PER NMOC:

No. OF 5-POINT COMPOSITE SAMPLES: YARDAGE--#	
0-200=1	
201-400=2	
401-1000=3	
>1000=5	

FACILITY DIAGRAM

GRID SCALE: _____

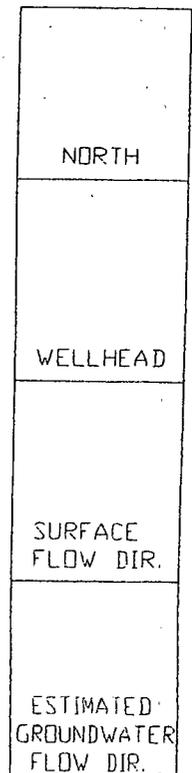


OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:



ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C #: _____

**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**

JOB No: _____
PAGE No: _____ of _____

FACILITY LOCATION: Envirotech Land Farm 2
SOURCE LOCATION: _____
SOURCE LOCATION: M6
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 2/23/11
DATE FINISHED: 2/23/11

ENVIRONMENTAL SPECIALIST: EHC

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

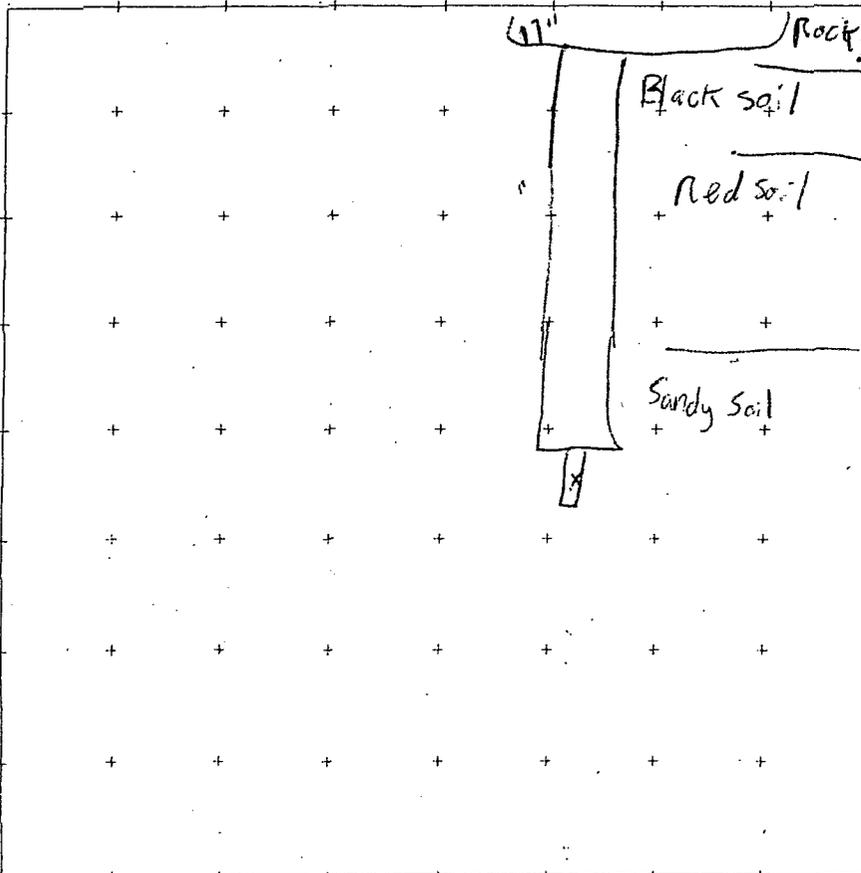
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD:

DEPTH TO GROUNDWATER: _____
NEAREST WATER SOURCE/TYPE: _____
NEAREST SURFACE WATER: _____
MAX TPH PER NMDCD: _____

No. OF 5-POINT COMPOSITE SAMPLES:	
YARDAGE--#	
0-200=1	
201-400=2	
401-1000=3	
>1000=5	

FACILITY DIAGRAM

GRID SCALE: _____

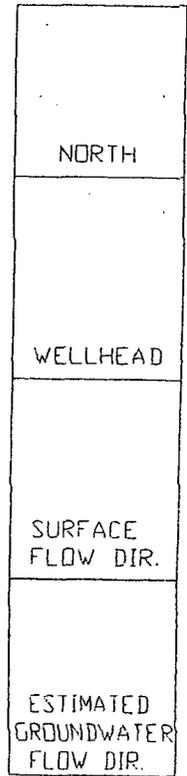


RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:



ENVIROTECH, Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C #: _____

**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**

JOB No: _____
PAGE No: _____ of _____

FACILITY LOCATION: Envirotech Land Farm 2
SOURCE LOCATION: _____
SOURCE LOCATION: 011
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 2/23/11
DATE FINISHED: 2/23/11
ENVIRONMENTAL SPECIALIST: EJK

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

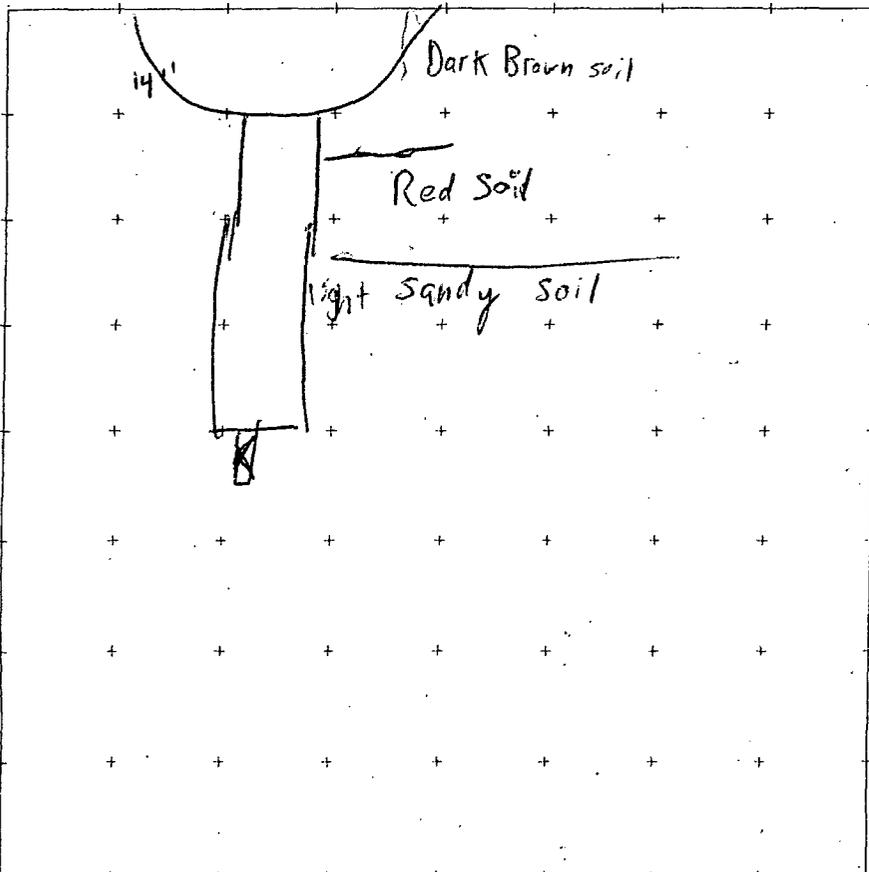
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD:

DEPTH TO GROUNDWATER: _____
NEAREST WATER SOURCE/TYPE: _____
NEAREST SURFACE WATER: _____
MAX TPH PER NMDCD: _____

No. OF 5-POINT COMPOSITE SAMPLES:	
YARDAGE--#	
0-200=1	
201-400=2	
401-1000=3	
>1000=5	

FACILITY DIAGRAM

GRID SCALE: _____

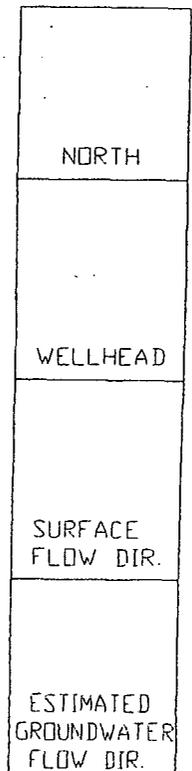


OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:



ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C #: _____

**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**

JOB No: _____
PAGE No: _____ of _____

FACILITY LOCATION: landfill 2
SOURCE LOCATION: _____
SOURCE LOCATION: _____
SOURCE LOCATION: L16
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 8/24/10
DATE FINISHED: _____

ENVIRONMENTAL
SPECIALIST: KC

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

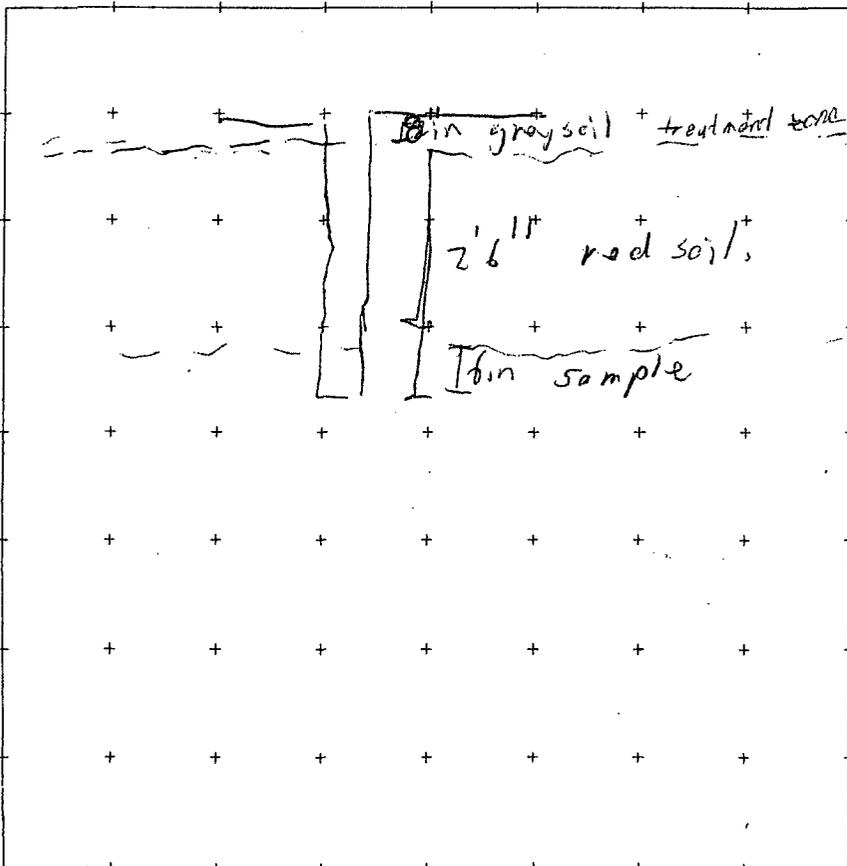
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER:
MAX TPH PER NMCD:

No. OF 5-POINT COMPOSITE SAMPLES: YARDAGE--# 0-200=1 201-400=2 401-1000=3 >1000=5

FACILITY DIAGRAM

GRID SCALE:

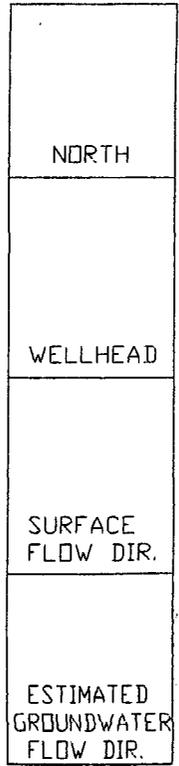


**OVM
RESULTS**

SAMPLE ID:	FIELD HEADSPACE PID (ppm)

**LAB
RESULTS**

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:



ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C #: _____

**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**

JOB No: _____
PAGE No: _____ of _____

FACILITY LOCATION: Envirotech Land Farm 2
SOURCE LOCATION: _____
SOURCE LOCATION: K 23
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 2/24/11
DATE FINISHED: 2/24/11
ENVIRONMENTAL SPECIALIST: EHC

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

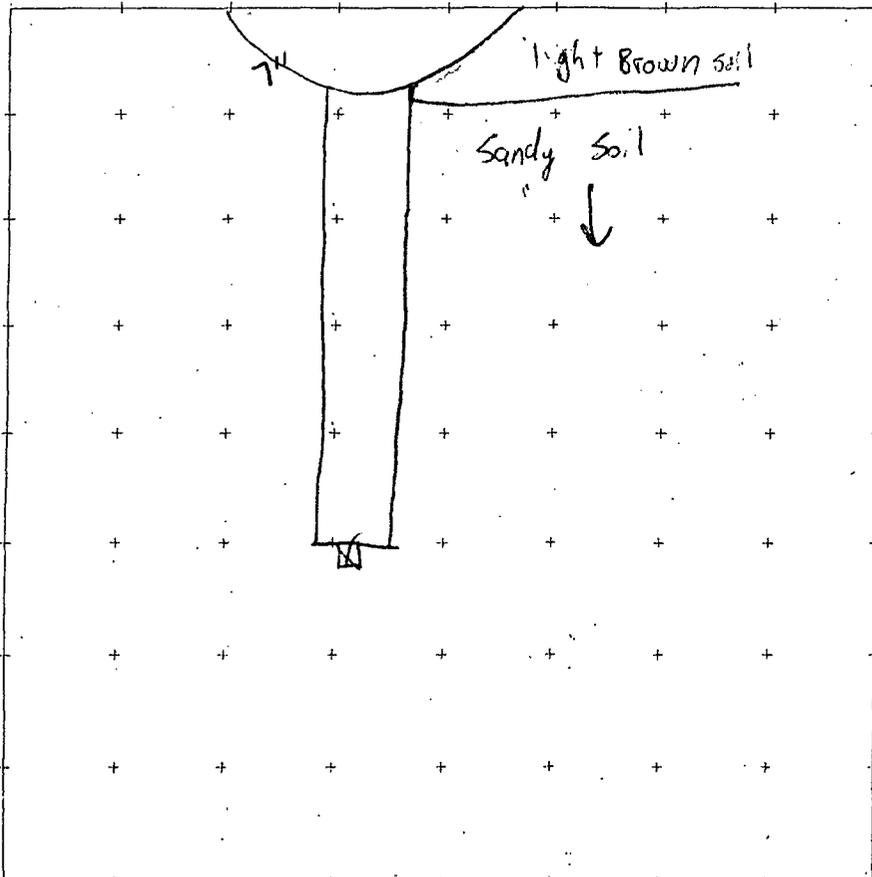
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER:
MAX TPH PER NMDCD:

No. OF 5-POINT COMPOSITE SAMPLES: YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE: ...



OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:

NORTH
WELLHEAD
SURFACE FLOW DIR.
ESTIMATED GROUNDWATER FLOW DIR.

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C #: _____

**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**

JOB No: _____
PAGE No: _____ of _____

FACILITY LOCATION: Existed Location 2
SOURCE LOCATION: _____
SOURCE LOCATION: SB
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 3/17/11
DATE FINISHED: 3/17/11
ENVIRONMENTAL SPECIALIST: EAC

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

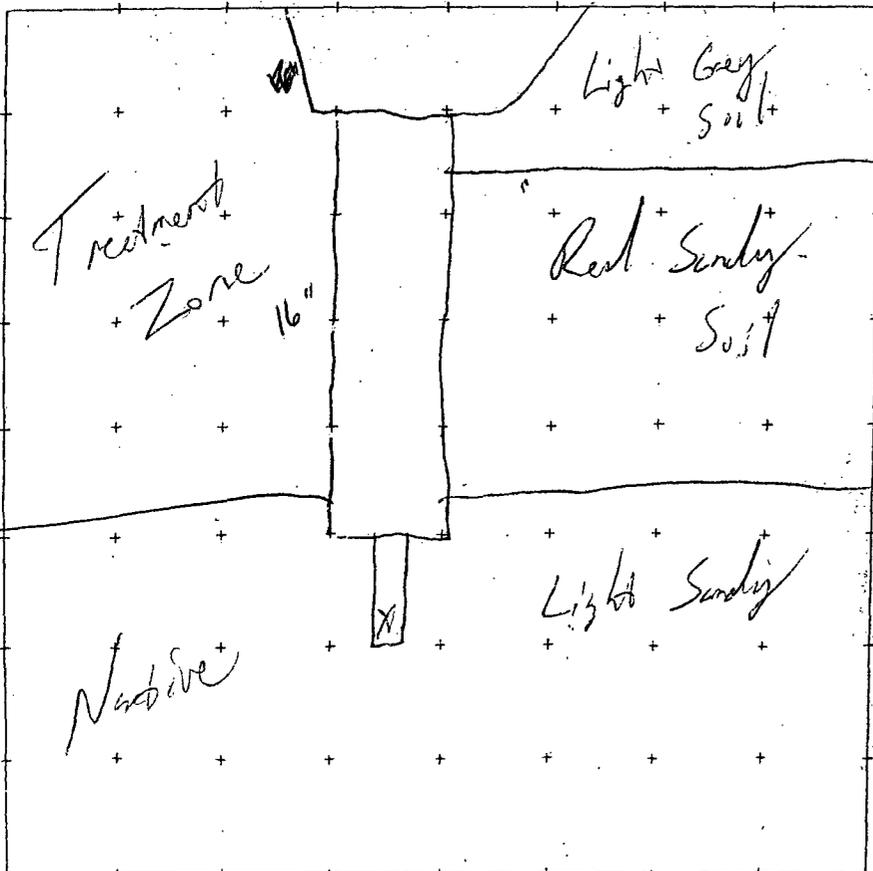
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER:
MAX TPH PER NMDCD:

No. OF 5-POINT COMPOSITE SAMPLES:	
YARDAGE--#	
0-200=1	
201-400=2	
401-1000=3	
>1000=5	

FACILITY DIAGRAM

GRID SCALE: _____

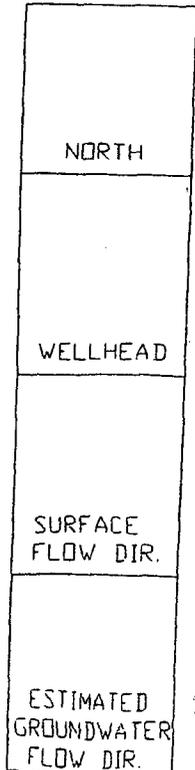


OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED	RESULTS PPM:



ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C #: _____

**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**

JOB No: _____
PAGE No: _____ of _____

FACILITY LOCATION: Envirotech Landfarm #2
SOURCE LOCATION: _____
SOURCE LOCATION: Q6
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 2/23/11
DATE FINISHED: 2/25/11
ENVIRONMENTAL SPECIALIST: EHC

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

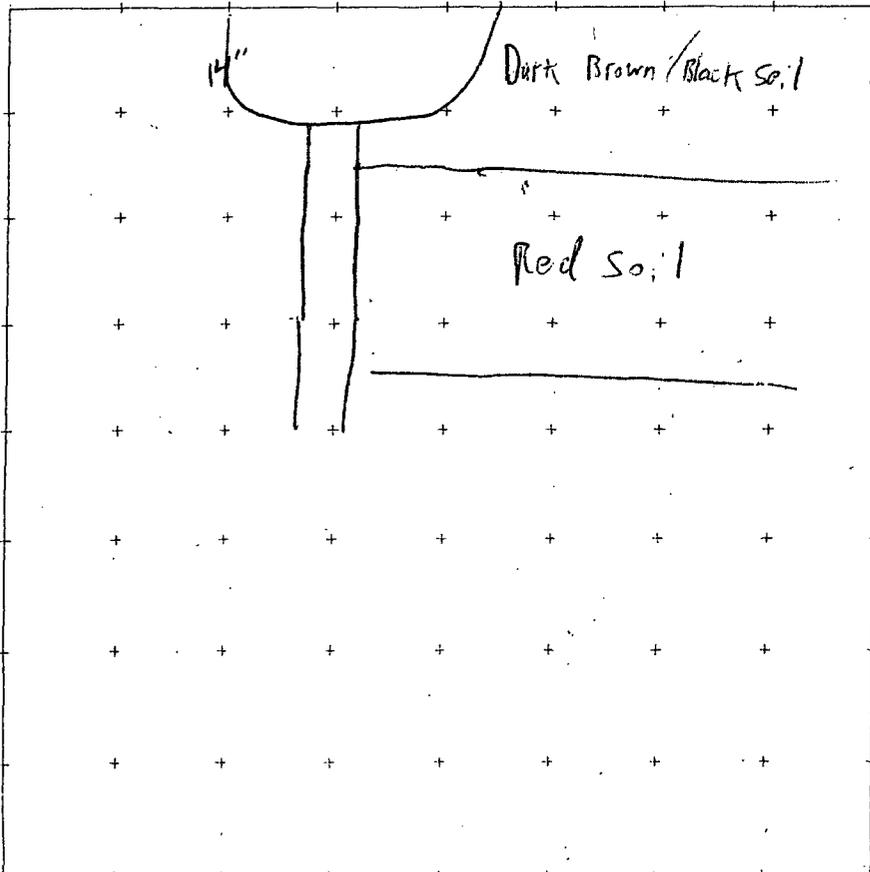
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD:

DEPTH TO GROUNDWATER: _____
NEAREST WATER SOURCE/TYPE: _____
NEAREST SURFACE WATER: _____
MAX TPH PER NMDCD: _____

No. OF 5-POINT COMPOSITE SAMPLES:	
YARDAGE--#	
0-200=1	
201-400=2	
401-1000=3	
>1000=5	

FACILITY DIAGRAM

GRID SCALE: _____

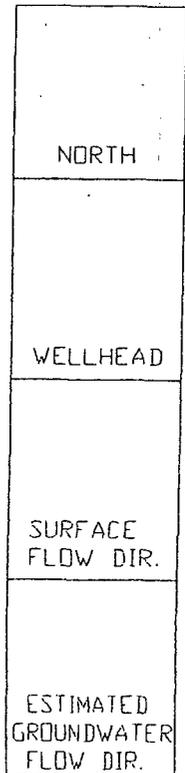


OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:



ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C #: _____

**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**

JOB No: _____
PAGE No: _____ of _____

FACILITY LOCATION: Envirotech landfarm 2
SOURCE LOCATION: _____
SOURCE LOCATION: P12
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 2/23/11
DATE FINISHED: 2/23/11

ENVIRONMENTAL
SPECIALIST: ETC

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

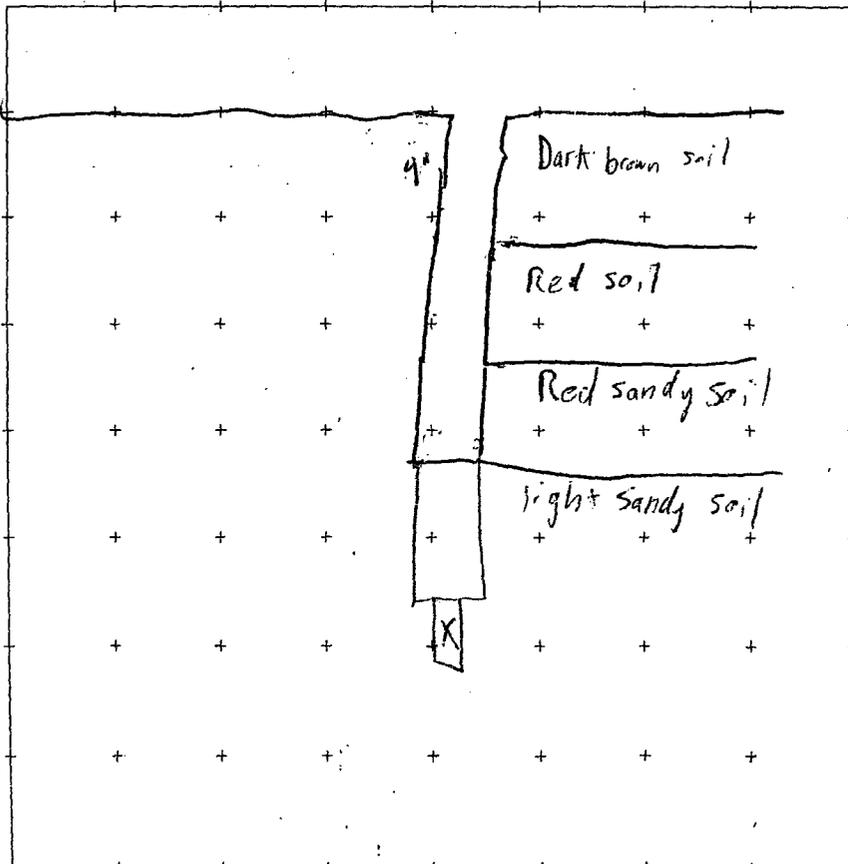
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER:
MAX TPH PER NMOC:

No. OF 5-POINT COMPOSITE SAMPLES: YARDAGE--#
0-200=1
201-400=2
401-1000=3
>1000=5

FACILITY DIAGRAM

GRID SCALE:



**OVM
RESULTS**

SAMPLE ID:	FIELD HEADSPACE FID (ppm)

**LAB
RESULTS**

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:

NORTH
WELLHEAD
SURFACE FLOW DIR.
ESTIMATED GROUNDWATER FLOW DIR.

ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

PIT No: _____
C.O.C #: _____

**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**

JOB No: _____
PAGE No: _____ of _____

FACILITY LOCATION: Envirotech landfarm 2
SOURCE LOCATION: _____
SOURCE LOCATION: 23
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 2/23/11
DATE FINISHED: 2/23/11

ENVIRONMENTAL
SPECIALIST: _____

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____

DIMENSIONS: _____

VISIBLE OBSERVATIONS: _____

SAMPLING PLAN: _____

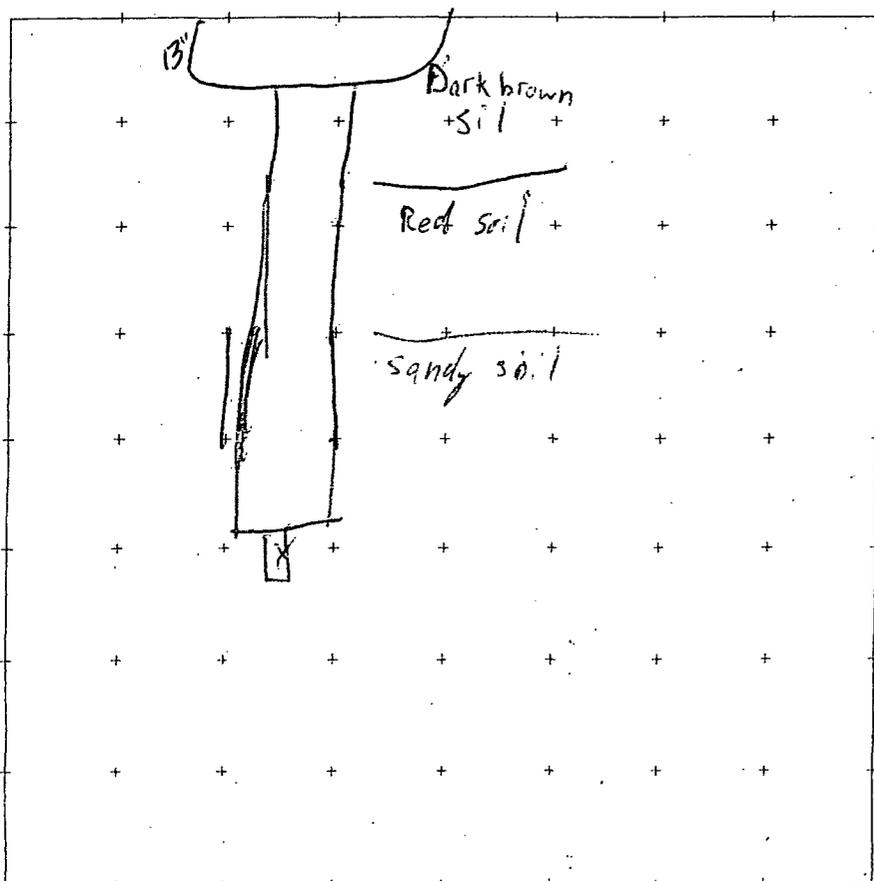
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER: _____
NEAREST WATER SOURCE/TYPE: _____
NEAREST SURFACE WATER: _____
MAX TPH PER NMOC: _____

No. OF 5-POINT COMPOSITE SAMPLES:	
YARDAGE--#	
0-200=1	
201-400=2	
401-1000=3	
>1000=5	

FACILITY DIAGRAM

GRID SCALE: _____

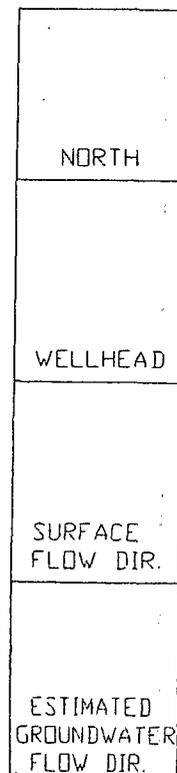


**OVM
RESULTS**

SAMPLE ID:	FIELD HEADSPACE FID (ppm)

**LAB
RESULTS**

SAMPLE ID:	ANALYSIS REQUESTED	RESULTS PPM:



ENVIROTECH Inc.

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

FIT No: _____
C.O.C #: _____

**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**

JOB No: _____
PAGE No: _____ of _____

FACILITY LOCATION: Envirotech Landfarm 2
SOURCE LOCATION: _____
SOURCE LOCATION: V10
SOURCE LOCATION: _____
FACILITY CLASSIFICATION: _____ PIT TYPE: _____

DATE STARTED: 2/23/11
DATE FINISHED: 2/25/11

ENVIRONMENTAL SPECIALIST: EHC

SOIL REMEDIATION: QUANTITY: _____ # OF COMP. SAMPLES: _____
DIMENSIONS: _____
VISIBLE OBSERVATIONS: _____
SAMPLING PLAN: _____

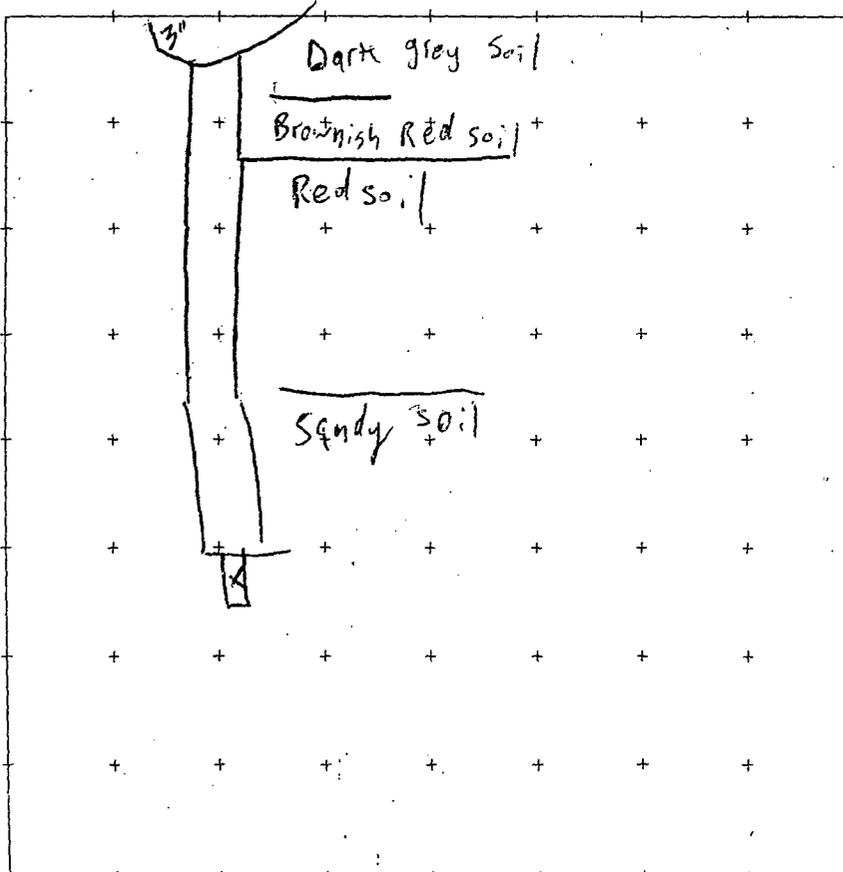
FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX _____ YARDS _____ FROM WELLHEAD.

DEPTH TO GROUNDWATER:
NEAREST WATER SOURCE/TYPE:
NEAREST SURFACE WATER:
MAX TPH PER NMQCD:

No. OF 5-POINT COMPOSITE SAMPLES:	
YARDAGE--#	
0-200=1	
201-400=2	
401-1000=3	
>1000=5	

FACILITY DIAGRAM

GRID SCALE:



OVM RESULTS

SAMPLE ID:	FIELD HEADSPACE PID (ppm)

LAB RESULTS

SAMPLE ID:	ANALYSIS REQUESTED:	RESULTS PPM:

NORTH

WELLHEAD

SURFACE FLOW DIR.

ESTIMATED GROUNDWATER FLOW DIR.

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 11	Date Reported:	05-11-11
Laboratory Number:	58079	Sampled:	05-04-11
Chain of Custody No:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Extracted:	05-05-11
Preservative:	Cool	Date Analyzed:	05-09-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	11.0	0.1
Total Petroleum Hydrocarbons	11.0	

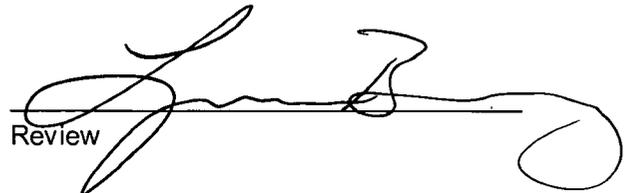
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Land Farm 2 Closure**



Analyst



Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 12	Date Reported:	05-11-11
Laboratory Number:	58080	Sampled:	05-04-11
Chain of Custody No:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Extracted:	05-05-11
Preservative:	Cool	Date Analyzed:	05-09-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	3.7	0.2
Diesel Range (C10 - C28)	64.7	0.1
Total Petroleum Hydrocarbons	68.4	

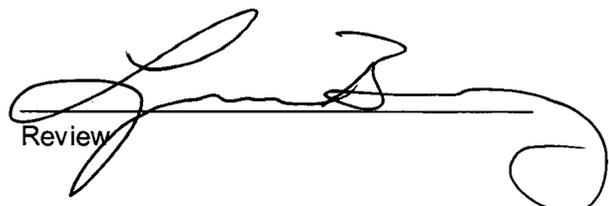
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Land Farm 2 Closure**



Analyst



Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 13	Date Reported:	05-11-11
Laboratory Number:	58081	Sampled:	05-04-11
Chain of Custody No:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Extracted:	05-05-11
Preservative:	Cool	Date Analyzed:	05-09-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	5.5	0.2
Diesel Range (C10 - C28)	28.9	0.1
Total Petroleum Hydrocarbons	34.4	

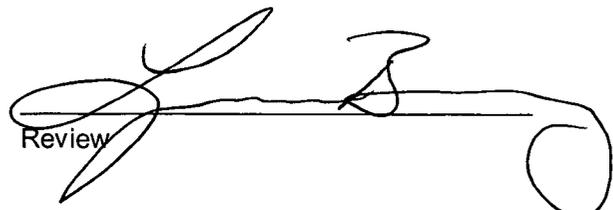
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Land Farm 2 Closure**



Analyst



Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 14	Date Reported:	05-11-11
Laboratory Number:	58082	Sampled:	05-04-11
Chain of Custody No:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Extracted:	05-05-11
Preservative:	Cool	Date Analyzed:	05-09-11
Condition:	Intact	Analysis Requested:	8015 TPH

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

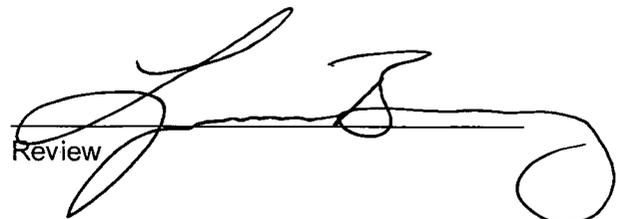
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Land Farm 2 Closure**



Analyst



Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 15	Date Reported:	05-11-11
Laboratory Number:	58083	Sampled:	05-04-11
Chain of Custody No:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Extracted:	05-05-11
Preservative:	Cool	Date Analyzed:	05-09-11
Condition:	Intact	Analysis Requested:	8015 TPH

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

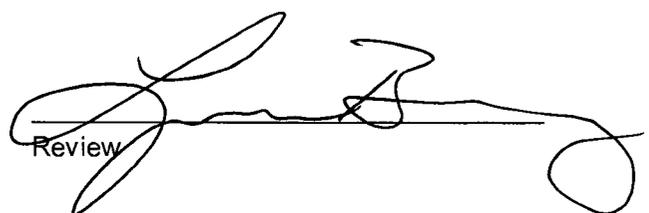
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Land Farm 2 Closure**



Analyst



Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 17	Date Reported:	05-11-11
Laboratory Number:	58084	Sampled:	05-04-11
Chain of Custody No:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Extracted:	05-05-11
Preservative:	Cool	Date Analyzed:	05-09-11
Condition:	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	

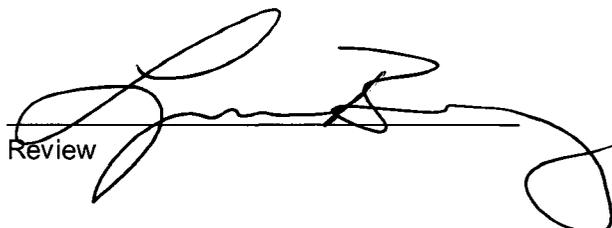
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Land Farm 2 Closure**



Analyst



Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 18	Date Reported:	05-11-11
Laboratory Number:	58085	Sampled:	05-04-11
Chain of Custody No:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Extracted:	05-05-11
Preservative:	Cool	Date Analyzed:	05-09-11
Condition:	Intact	Analysis Requested:	8015 TPH

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

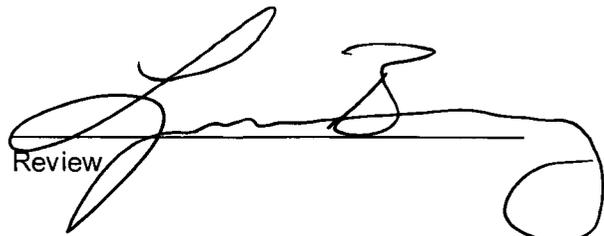
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Land Farm 2 Closure**



Analyst



Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 19	Date Reported:	05-11-11
Laboratory Number:	58086	Sampled:	05-04-11
Chain of Custody No:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Extracted:	05-05-11
Preservative:	Cool	Date Analyzed:	05-09-11
Condition:	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	

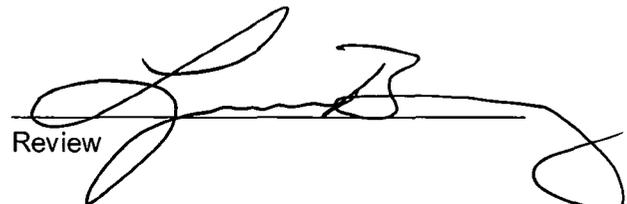
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Land Farm 2 Closure**



Analyst



Review

**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 20	Date Reported:	05-11-11
Laboratory Number:	58087	Sampled:	05-04-11
Chain of Custody No:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Extracted:	05-05-11
Preservative:	Cool	Date Analyzed:	05-09-11
Condition:	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	

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: **Land Farm 2 Closure**



Analyst



Review

**EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	05-09-11 QA/QC	Date Reported:	05-11-11
Laboratory Number:	58106	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-09-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	40672	9.996E+02	1.000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	40672	9.996E+02	1.000E+03	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	10.4	0.2
Diesel Range C10 - C28	3.3	0.1

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Range
Gasoline Range C5 - C10	ND	ND	0.00%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.00%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	201	80.5%	75 - 125%
Diesel Range C10 - C28	ND	250	248	99.0%	75 - 125%

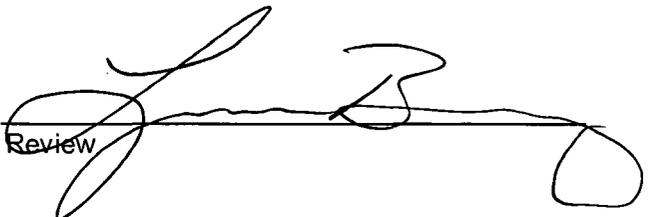
ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,
SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 58106, 58078-58087



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 11	Date Reported:	05-16-11
Laboratory Number:	58079	Date Sampled:	05-04-11
Chain of Custody:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Analyzed:	05-10-11
Preservative:	Cool	Date Extracted:	05-05-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	1.2	1.2
o-Xylene	ND	0.9
Total BTEX	1.2	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	94.8 %
	1,4-difluorobenzene	105 %
	Bromochlorobenzene	103 %

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: Land Farm 2 Closure



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 12	Date Reported:	05-16-11
Laboratory Number:	58080	Date Sampled:	05-04-11
Chain of Custody:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Analyzed:	05-10-11
Preservative:	Cool	Date Extracted:	05-05-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	102 %
	1,4-difluorobenzene	103 %
	Bromochlorobenzene	103 %

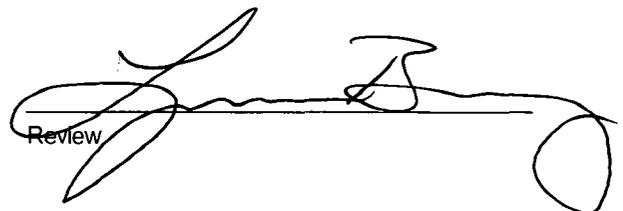
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Land Farm 2 Closure



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 13	Date Reported:	05-16-11
Laboratory Number:	58081	Date Sampled:	05-04-11
Chain of Custody:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Analyzed:	05-10-11
Preservative:	Cool	Date Extracted:	05-05-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	2.2	1.2
o-Xylene	1.8	0.9
Total BTEX	4.0	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.4 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	97.2 %

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: Land Farm 2 Closure



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 14	Date Reported:	05-16-11
Laboratory Number:	58082	Date Sampled:	05-04-11
Chain of Custody:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Analyzed:	05-10-11
Preservative:	Cool	Date Extracted:	05-05-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	2.0	0.9
Total BTEX	2.0	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	95.3 %
	1,4-difluorobenzene	102 %
	Bromochlorobenzene	104 %

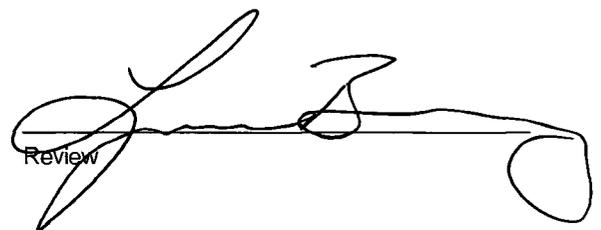
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Land Farm 2 Closure



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 15	Date Reported:	05-16-11
Laboratory Number:	58083	Date Sampled:	05-04-11
Chain of Custody:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Analyzed:	05-10-11
Preservative:	Cool	Date Extracted:	05-05-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	1.7	0.9
Total BTEX	1.7	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	103 %
	Bromochlorobenzene	101 %

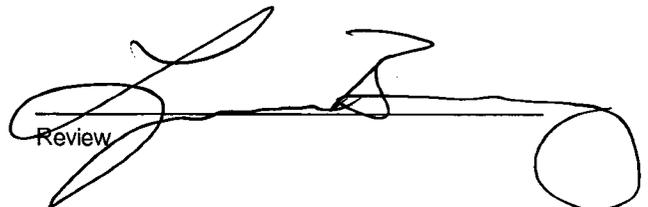
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Land Farm 2 Closure



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 17	Date Reported:	05-16-11
Laboratory Number:	58084	Date Sampled:	05-04-11
Chain of Custody:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Analyzed:	05-10-11
Preservative:	Cool	Date Extracted:	05-05-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	1.5	0.9
Total BTEX	1.5	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.8 %
	1,4-difluorobenzene	94.6 %
	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: Land Farm 2 Closure



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 18	Date Reported:	05-16-11
Laboratory Number:	58085	Date Sampled:	05-04-11
Chain of Custody:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Analyzed:	05-10-11
Preservative:	Cool	Date Extracted:	05-05-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	3.0	0.9
Total BTEX	3.0	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	101 %
	1,4-difluorobenzene	102 %
	Bromochlorobenzene	101 %

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: Land Farm 2 Closure



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 19	Date Reported:	05-16-11
Laboratory Number:	58086	Date Sampled:	05-04-11
Chain of Custody:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Analyzed:	05-10-11
Preservative:	Cool	Date Extracted:	05-05-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	103 %
	Bromochlorobenzene	101 %

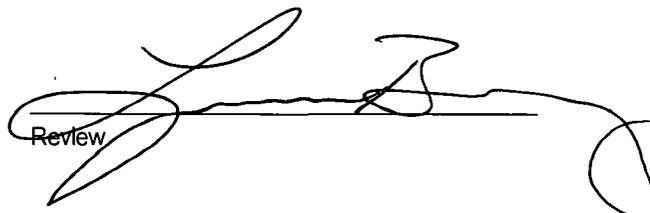
References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Land Farm 2 Closure



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 20	Date Reported:	05-16-11
Laboratory Number:	58087	Date Sampled:	05-04-11
Chain of Custody:	11640	Date Received:	05-04-11
Sample Matrix:	Soil	Date Analyzed:	05-10-11
Preservative:	Cool	Date Extracted:	05-05-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	1.4	0.9
Total BTEX	1.4	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96.4 %
	1,4-difluorobenzene	107 %
	Bromochlorobenzene	104 %

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: Land Farm 2 Closure



Analyst



Review

Client:	N/A	Project #:	N/A
Sample ID:	0510BBLK QA/QC	Date Reported:	05-16-11
Laboratory Number:	58078	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-10-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept Range 0 - 15%			
Benzene	4.4673E+006	4.4762E+006	0.2%	ND	0.1
Toluene	1.5156E+006	1.5186E+006	0.2%	ND	0.1
Ethylbenzene	1.0969E+006	1.0991E+006	0.2%	ND	0.1
p,m-Xylene	2.3417E+006	2.3463E+006	0.2%	ND	0.1
o-Xylene	8.5484E+005	8.5656E+005	0.2%	ND	0.1

Duplicate Conc: (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	1.4	1.4	0.0%	0 - 30%	0.9

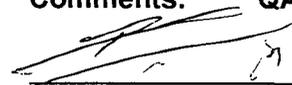
Spike Conc: (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	502	100%	39 - 150
Toluene	ND	500	562	112%	46 - 148
Ethylbenzene	ND	500	545	109%	32 - 160
p,m-Xylene	ND	1000	1,070	107%	46 - 148
o-Xylene	1.4	500	537	107%	46 - 148

ND - Parameter not detected at the stated detection limit.

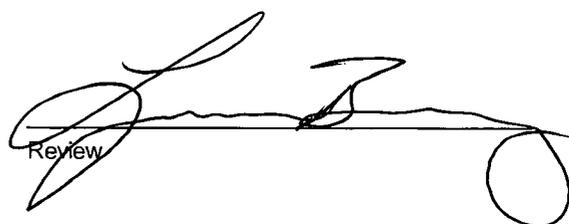
Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

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 58078-58087



Analyst



Review



Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 11	Date Reported:	05/11/11
Lab ID#:	58079	Date Sampled:	05/04/11
Sample Matrix:	Soil	Date Received:	05/04/11
Preservative:	Cool	Date Analyzed:	05/06/11
Condition:	Intact	Chain of Custody:	11640

Parameter	Concentration (mg/Kg)
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Total Chloride

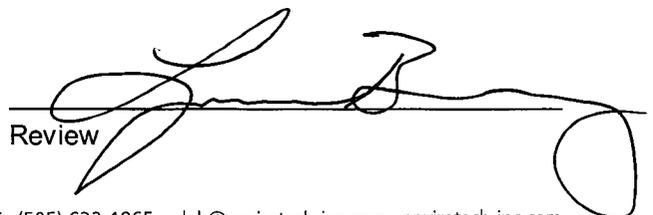
40

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closure**



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 12	Date Reported:	05/11/11
Lab ID#:	58080	Date Sampled:	05/04/11
Sample Matrix:	Soil	Date Received:	05/04/11
Preservative:	Cool	Date Analyzed:	05/06/11
Condition:	Intact	Chain of Custody:	11640

Parameter	Concentration (mg/Kg)
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Total Chloride

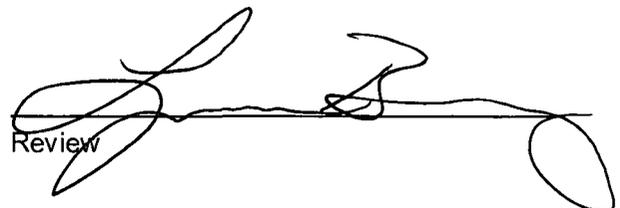
15

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closure**



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 13	Date Reported:	05/11/11
Lab ID#:	58081	Date Sampled:	05/04/11
Sample Matrix:	Soil	Date Received:	05/04/11
Preservative:	Cool	Date Analyzed:	05/06/11
Condition:	Intact	Chain of Custody:	11640

Parameter	Concentration (mg/Kg)
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Total Chloride

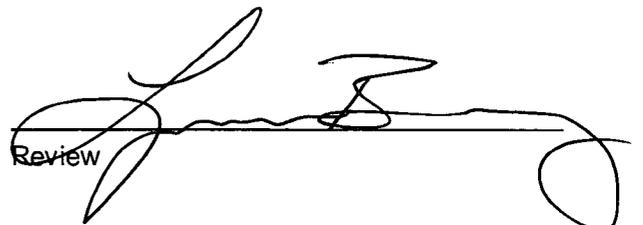
45

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closure**



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 14	Date Reported:	05/11/11
Lab ID#:	58082	Date Sampled:	05/04/11
Sample Matrix:	Soil	Date Received:	05/04/11
Preservative:	Cool	Date Analyzed:	05/06/11
Condition:	Intact	Chain of Custody:	11640

Parameter	Concentration (mg/Kg)
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Total Chloride

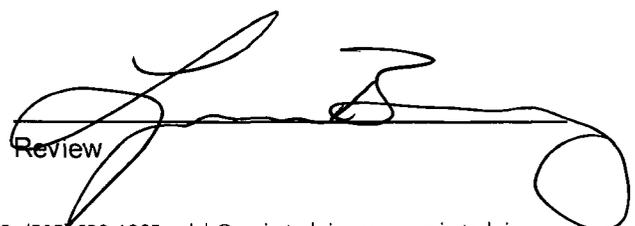
50

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closure**



Analyst



Review

Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 15	Date Reported:	05/11/11
Lab ID#:	58083	Date Sampled:	05/04/11
Sample Matrix:	Soil	Date Received:	05/04/11
Preservative:	Cool	Date Analyzed:	05/06/11
Condition:	Intact	Chain of Custody:	11640

Parameter	Concentration (mg/Kg)
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Total Chloride

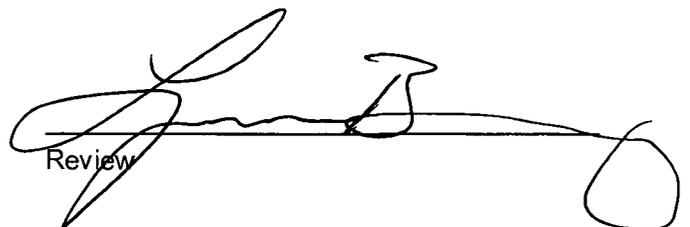
25

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closure**



Analyst



Review



Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 17	Date Reported:	05/11/11
Lab ID#:	58084	Date Sampled:	05/04/11
Sample Matrix:	Soil	Date Received:	05/04/11
Preservative:	Cool	Date Analyzed:	05/06/11
Condition:	Intact	Chain of Custody:	11640

Parameter	Concentration (mg/Kg)
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Total Chloride

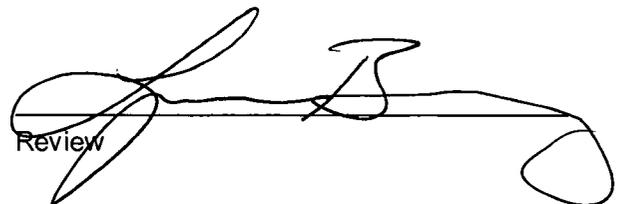
20

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closure**



Analyst



Review



Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 18	Date Reported:	05/11/11
Lab ID#:	58085	Date Sampled:	05/04/11
Sample Matrix:	Soil	Date Received:	05/04/11
Preservative:	Cool	Date Analyzed:	05/06/11
Condition:	Intact	Chain of Custody:	11640

Parameter	Concentration (mg/Kg)
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Total Chloride

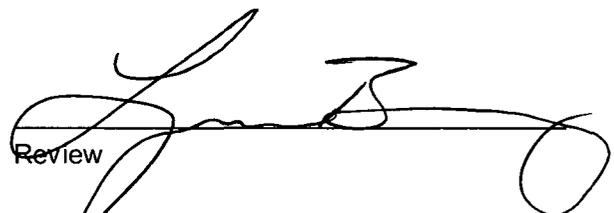
35

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closure**



Analyst



Review



Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 19	Date Reported:	05/11/11
Lab ID#:	58086	Date Sampled:	05/04/11
Sample Matrix:	Soil	Date Received:	05/04/11
Preservative:	Cool	Date Analyzed:	05/06/11
Condition:	Intact	Chain of Custody:	11640

Parameter	Concentration (mg/Kg)
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Total Chloride

40

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closure**

Analyst

Review

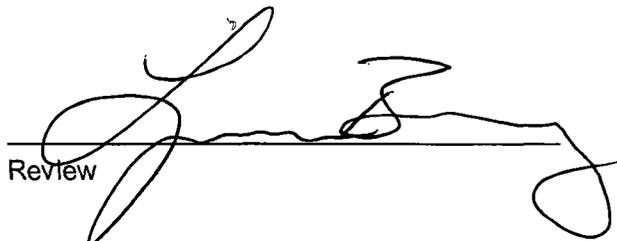
Client:	Envirotech	Project #:	1-02-60002
Sample ID:	Cell 20	Date Reported:	05/11/11
Lab ID#:	58087	Date Sampled:	05/04/11
Sample Matrix:	Soil	Date Received:	05/04/11
Preservative:	Cool	Date Analyzed:	05/06/11
Condition:	Intact	Chain of Custody:	11640

Parameter	Concentration (mg/Kg)
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Total Chloride**45**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Land Farm 2 Closure**

_____
Analyst_____
Review

CHAIN OF CUSTODY RECORD

11640

Client: <i>Envirotech</i>	Project Name / Location: <i>landfarm 2 Closure</i>	ANALYSIS / PARAMETERS									
Client Address:	Sampler Name: <i>EHC / CD</i>	* X	* X	* X	* X	* X	* X	* X	* X	* X	* X
Client Phone No.:	Client No.:	* X	* X	* X	* X	* X	* X	* X	* X	* X	* X
	<i>1-02-60002</i>	* X	* X	* X	* X	* X	* X	* X	* X	* X	* X

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE	Sample Cool	Sample Intact
						HgCl ₂	HCl	Sej												
Cell 1	5/4	9:45	58078	Soil Sludge Solid Aqueous	1.9oz				+									+	+	
Cell 11		9:45	58079	Soil Sludge Solid Aqueous					+									+	+	
Cell 12		9:15	58080	Soil Sludge Solid Aqueous					+									+	+	
Cell 13		9:30	58081	Soil Sludge Solid Aqueous					+									+	+	
Cell 14		9:00	58082	Soil Sludge Solid Aqueous					+									+	+	
Cell 15		10:00	58083	Soil Sludge Solid Aqueous					+									+	+	
Cell 17		11:00	58084	Soil Sludge Solid Aqueous					+									+	+	
cell 18		11:00	58085	Soil Sludge Solid Aqueous					+									+	+	
Cell 19		11:00	58086	Soil Sludge Solid Aqueous					+									+	+	
Cell 20		11:00	58087	Soil Sludge Solid Aqueous					+									+	+	

Relinquished by: (Signature) <i>[Signature]</i>	Date <i>5/4/11</i>	Time <i>13:50</i>	Received by: (Signature) <i>[Signature]</i>	Date <i>5/4/11</i>	Time <i>13:50</i>
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		



**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	Envirotech	Project #:	1-02-60001
Sample ID:	16	Date Reported:	01-24-11
Laboratory Number:	57052	Date Sampled:	01-19-11
Chain of Custody No:	11036	Date Received:	01-19-11
Sample Matrix:	Soil	Date Extracted:	01-20-11
Preservative:	Cool	Date Analyzed:	01-21-11
Condition:	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	

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: **Land Farm 2 Closures**

Analyst



Review

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	01-21-11 QA/QC	Date Reported:	01-24-11
Laboratory Number:	57053	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-21-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
Gasoline Range C5 - C10	01-21-11	9.9960E+002	1.0000E+003	0.04%	0 - 15%
Diesel Range C10 - C28	01-21-11	9.9960E+002	1.0000E+003	0.04%	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

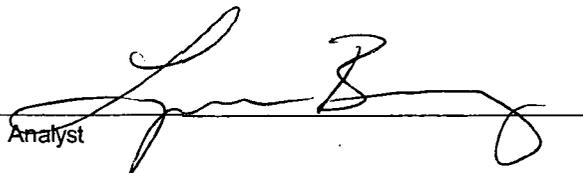
Duplicate Conc: (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	122	128	4.9%	0 - 30%

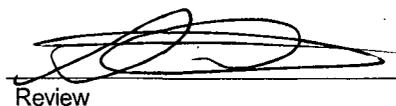
Spike Conc: (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
Gasoline Range C5 - C10	ND	250	263	105%	75 - 125%
Diesel Range C10 - C28	122	250	389	105%	75 - 125%

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 57052-57060

Analyst 

Review 

Client:	Envirotech	Project #:	1-02-60001
Sample ID:	16	Date Reported:	01-29-11
Laboratory Number:	57052	Date Sampled:	01-19-11
Chain of Custody:	11036	Date Received:	01-19-11
Sample Matrix:	Soil	Date Analyzed:	01-25-11
Preservative:	Cool	Date Extracted:	01-20-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	ND	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

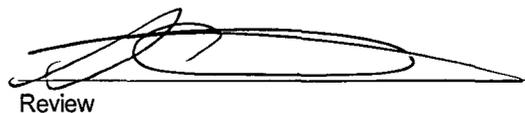
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	89.8 %
	1,4-difluorobenzene	83.1 %
	Bromochlorobenzene	95.3 %

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: Land Farm 2 Closures


Analyst


Review

Client:	N/A	Project #:	N/A
Sample ID:	0125BBLK QA/QC	Date Reported:	01-29-11
Laboratory Number:	57053	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	01-25-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff	Blank Conc	Detect Limit
		Accept. Range 0 - 15%			
Benzene	7.1206E+005	7.1348E+005	0.2%	ND	0.1
Toluene	8.8005E+005	8.8181E+005	0.2%	ND	0.1
Ethylbenzene	1.0655E+006	1.0677E+006	0.2%	ND	0.1
p,m-Xylene	2.2907E+006	2.2953E+006	0.2%	ND	0.1
o-Xylene	9.6352E+005	9.6545E+005	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

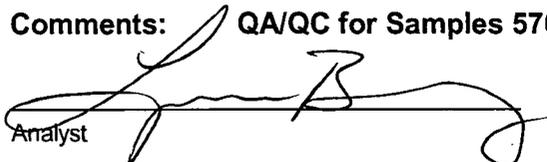
Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	425	85.0%	39 - 150
Toluene	ND	500	429	85.7%	46 - 148
Ethylbenzene	ND	500	454	90.8%	32 - 160
p,m-Xylene	ND	1000	923	92.3%	46 - 148
o-Xylene	ND	500	428	85.7%	46 - 148

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

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 57052-57060


Analyst


Review



Client:	Envirotech	Project #:	1-02-60001
Sample ID:	16	Date Reported:	01/21/11
Lab ID#:	57052	Date Sampled:	01/19/11
Sample Matrix:	Soil	Date Received:	01/19/11
Preservative:	Cool	Date Analyzed:	01/21/11
Condition:	Intact	Chain of Custody:	11036

Parameter	Concentration (mg/Kg)
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Total Chloride

150

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992

Comments: **Land Farm 2 Closures**


Analyst


Review

