

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Aztec, NM 88211

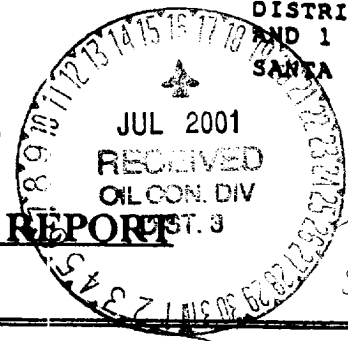
District III

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

OK SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE**PIT-REMEDIATION AND CLOSURE REPORT**Operator: Herdlike Company Inc. NMOC Telephone: 505-334-6178Address: 1000 Rio Brazos RoadFacility Or: Bullseye Well No 3
Well NameLocation: Unit or Qtr/Qtr Sec X N Sec 18 T 16N R 9W County McKINLEYPit Type: Separator X Dehydrator Other Land Type: BLM , State , Fee X, Other Pit Location: Pit dimensions: length 30, width 40, depth 4
(Attach diagram)Reference: wellhead X, other Footage from reference: 75'Direction from reference: 100 Degrees X East North X
of
 West South **Depth To Ground Water:**(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)

50 feet to 99 feet (10 points)

Greater than 100 feet (0 Points) 0**Wellhead Protection Area:**(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

Yes (20 points)

No (0 points) 0**Distance To Surface Water:**(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet (20 points)

200 feet to 1000 feet (10 points)

Greater than 1000 feet (0 points) 0**RANKING SCORE (TOTAL POINTS):**0

Date Remediation Started: 01-15-01 Dated Completed: 03-07-01

Remediation Method: Excavation Approx. cubic yards
(Check all appropriate sections) Landfarmed Insitu Bioremediation
Other Sample; close AFTER Receiving results

Remediation Location: Onsite N/A Offsite
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: Sample pit @ 4 SIDE WALLS on
center near bottom

Ground Water Encountered: No X Yes Depth

Final Pit:
Closure Sampling:
(if multiple samples,
attach sample results
and diagram of sample
locations and depths)

Sample location 4 SIDE WALLS & Bottom Near Center

Sample depth 24" below pit Surface (Bedrock)

Sample date 01.15.01 Sample time 13:00

Sample Results

Benzene(ppm) 0.0091

Total BTEX(ppm) 0.389

Field headspace(ppm)

TPH 114 ppm

Ground Water Sample: Yes No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 03.16.01

SIGNATURE Harlan M. Brown PRINTED NAME Harlan M. Brown
AND TITLE Geologist / Hydrogeologist

CLIENT: NMOC
NEROLHC

ENVIROTECH Inc.

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

PIT NO: _____

C.D.C. NO: 8459

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 99042-002

PAGE No: 1 of 2

LOCATION: NAME: BULLSEYE WELL #: 3 PIT: Separator

DATE STARTED: 01-15-01
DATE FINISHED: 03-07-01

QUAD/UNIT: M SEC: 18 TWP: 16N RNG: 9W BM: _____ CNTY: NM ST: NM

QTR/FOOTAGE: _____

CONTRACTOR: Envirotech

ENVIRONMENTAL
SPECIALIST: HMB

SOIL REMEDIATION: EXCAVATION APPROX. 0 FT. x _____ FT. x _____ FT. DEEP.

DISPOSAL FACILITY: NA CUBIC YARDAGE: _____

LAND USE: RANGE LEASE: FEE

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 75' FEET SE FROM WELLHEAD.

DEPTH TO GROUNDWATER: 7100 NEAREST WATER SOURCE: 71000 NEAREST SURFACE WATER: 71000

NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION: Sample Pit @ 24" Below Pit bottom (Bedrock)
pit. 30'x40'x4'. Remove all production related equipment
& debris for recycling or disposal. Bury Concrete in Sep. Pit.

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

SCALE

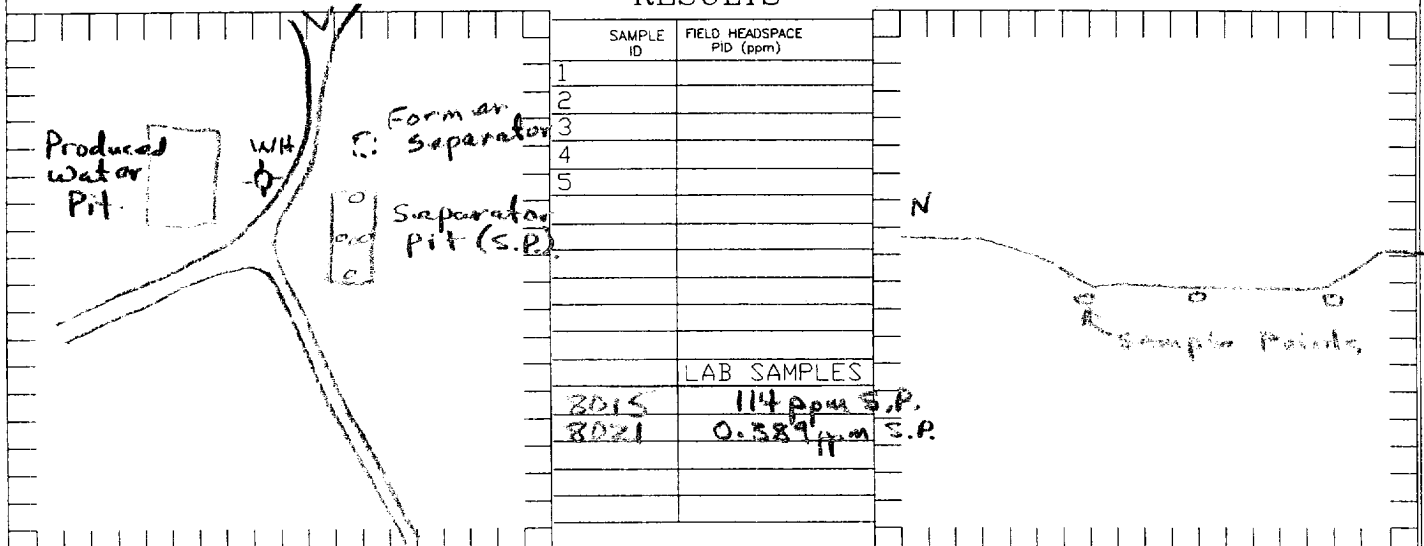


0 FEET

PIT PERIMETER

OVM
RESULTS

PIT PROFILE



TRAVEL NOTES: CALLOUT: _____ ONSITE: _____

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

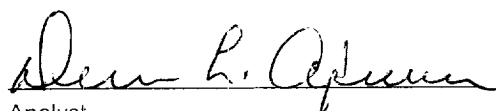
Client:	A Plus Well Service - NMOCD	Project #:	99042-002
Sample ID:	Nerdlihc Bullseye #3	Date Reported:	01-17-01
Laboratory Number:	19084	Date Sampled:	01-15-01
Chain of Custody No:	8459	Date Received:	01-15-01
Sample Matrix:	Soil	Date Extracted:	01-17-01
Preservative:	Cool	Date Analyzed:	01-17-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

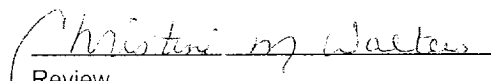
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.2	0.2
Diesel Range (C10 - C28)	110	0.1
Total Petroleum Hydrocarbons	114	0.1

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: A.P.A. Woosley, Hospah. 5 Pt.; East Pit @ Separator.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	A Plus Well Service - NMOCD	Project #:	99042-002
Sample ID:	Nerdlihc Bullseye #3	Date Reported:	01-17-01
Laboratory Number:	19084	Date Sampled:	01-15-01
Chain of Custody:	8459	Date Received:	01-15-01
Sample Matrix:	Soil	Date Analyzed:	01-17-01
Preservative:	Cool	Date Extracted:	01-17-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	9.1	1.8
Toluene	28.8	1.7
Ethylbenzene	7.4	1.5
p,m-Xylene	181	2.2
o-Xylene	163	1.0
Total BTEX	389	

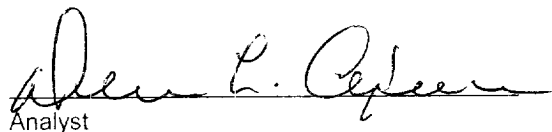
ND - Parameter not detected at the stated detection limit.

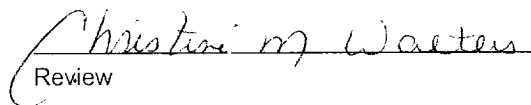
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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: A.P.A. Woosley, Hospah. 5 Pt.; East Pit @ Separator.


Analyst


Review

CHAIN OF CUSTODY RECORD

08459

Client / Project Name			Project Location		ANALYSIS / PARAMETERS						
A Plus Well Service - NMCD			A.P.A. Woosley, Hospital								
Sampler: Harold M. Brown			Client No. 99042-002 904202		No. of Containers	8015	1208				Remarks
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix							
SANTA FE LEGS #1	01.15.01	10:40	19082	Soil	1	✓	✓				5 Pt.; Produced water Pit.
Nordline Bullseye #10	01.15.04	12:35	19083	Soil	1	✓	✓				5 Pt.; Reserve Pit.
Nordline Bullseye #3	01.15	13:00	19084	Soil	1	✓	✓				5 Pt.; East Pit @ Separator
Nordline Bullseye #7	01.15	14:10	19085	Soil	1	✓	✓				5 Pt.; Pit.
Nordline Bullseye #8	01.15	14:30	19086	Soil	1	✓	✓				5 Pt.; Pit.
Nordline Bullseye #14	01.15	15:05	19087	Soil	1	✓	✓				5 Pt.; Produced water Pit.
Marcelina No 5	01.15	15:45	19088	Soil	1	✓	✓				5 Pt.; Trast Pit N of well.
Marcelina No 1	01.15	16:20	19089	Soil	1	✓	✓				5 Pt.; W produced water Pit
Nordline Bullseye #6	01.15	17:25	19090	Soil	1	✓	✓				5 Pt.; Trast Pit.
Relinquished by: (Signature) Harold M. Brown			Date	01.15.01 20:15	Time	Received by: (Signature) P. Cyh...		Date	1-15-01	Time	20:15
Relinquished by: (Signature)			Received by: (Signature)								
Relinquished by: (Signature)			Received by: (Signature)								

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

Sample Receipt		
	Y	N
Received Intact	✓	
Cool - Ice/Blue Ice	✓	

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer DD, Artesia, NM 88211

District III

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE**PIT REMEDIATION AND CLOSURE REPORT**Operator: NEROLHC Company Inc. NMOCB Telephone: 505-334-6178Address: 1000 Rio Brazos Rd. AZTEC, NM 87410Facility Or: Bullseye Well #3
Well NameLocation: Unit or Qtr/Qtr Sec M Sec 18 T 16N R 9W County McKINLEYPit Type: Separator Dehydrator other Produced waterLand Type: BLM State, Fee X, Other Pit Location: Pit dimensions: length 40, width 30, depth 12
(Attach diagram)Reference: wellhead X, other Footage from reference: 30Direction from reference: 90° Degrees East North X
of
X West South **Depth To Ground Water:**(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 Points) 0**Wellhead Protection Area:**(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)Yes (20 points)
No (0 points) 0**Distance To Surface Water:**(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)Less than 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: 3.07.01 Dated Completed: 3.13.01

Remediation Method: Excavation ☒ (Check all appropriate sections) Landfarmed ☒ Approx. cubic yards 60 y. Insitu Bioremediation ☐ Other _____

Remediation Location: Onsite ☒ Offsite _____ (ie, landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: EXCAVATE core of Petroleum Hydrocarbon contaminated Soil. Bedrock encountered @ 8' south to 12' north.

Ground Water Encountered: No ☒ Yes ☐ Depth _____

Final Pit:
Closure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location 4 side walls near bottom & center @ Bottom.

Sample depth 8'-12'

Sample date 3.12.01 Sample time 15:50

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 2.020 ppm.

Field headspace(ppm) _____

TPH 168 ppm

Ground Water Sample: Yes ☐ No ☐ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 3-16-01

SIGNATURE Harlan M. Brown PRINTED NAME HARLAN M. Brown AND TITLE GEOLOGIST / Hydrogeologist.

ONSITE:

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

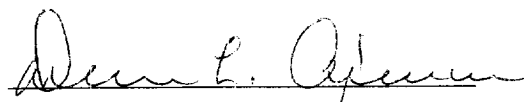
Client:	A Plus / NMOCD	Project #:	99042-002
Sample ID:	Bullseye #3	Date Reported:	03-14-01
Laboratory Number:	19372	Date Sampled:	03-12-01
Chain of Custody No:	8546	Date Received:	03-12-01
Sample Matrix:	Soil	Date Extracted:	03-14-01
Preservative:	Cool	Date Analyzed:	03-14-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

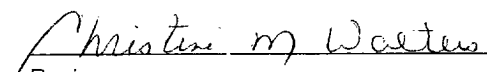
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	32.0	0.2
Diesel Range (C10 - C28)	136	0.1
Total Petroleum Hydrocarbons	168	0.1

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: Nerdlihc Produced Water Pit W. Side Bedrock 8 - 12'.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	A Plus / NMOCD	Project #:	99042-002
Sample ID:	Bullseye #3	Date Reported:	03-14-01
Laboratory Number:	19372	Date Sampled:	03-12-01
Chain of Custody:	8546	Date Received:	03-12-01
Sample Matrix:	Soil	Date Analyzed:	03-14-01
Preservative:	Cool	Date Extracted:	03-14-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	1.8
Toluene	720	1.7
Ethylbenzene	230	1.5
p,m-Xylene	789	2.2
o-Xylene	284	1.0
Total BTEX	2,020	

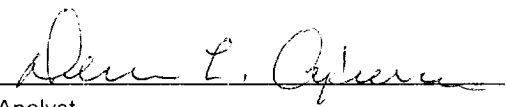
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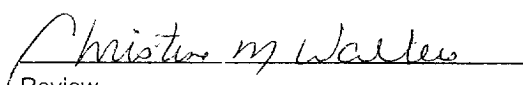
Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	100 %
	Bromofluorobenzene	100 %

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: Nerdlihc Produced Water Pit W. Side Bedrock 8 - 12'.


Analyst


Review

08546

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615

ENVIROTECH Inc.

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

PIT No: 9265
C.O.C #: 9265

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 99042-002
PAGE No: 1 of 1

FACILITY LOCATION: Bullseye #3 N Sec 18 T16N R9W

DATE STARTED: 01-15-01

SOURCE LOCATION:

DATE FINISHED: 06-27-01

SOURCE LOCATION:

ENVIRONMENTAL
SPECIALIST: HMB

SOURCE LOCATION:

FACILITY CLASSIFICATION: On-Site Landfarm PIT TYPE: Produced water

SOIL REMEDIATION: QUANTITY: 500 # OF COMP. SAMPLES: 1
DIMENSIONS: 3 small thin Land farms.

VISIBLE OBSERVATIONS: Dry, Tilled, Slight odor, few oil stains

SAMPLING PLAN: 1-5 pt. composite (per D.F. OCD).

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

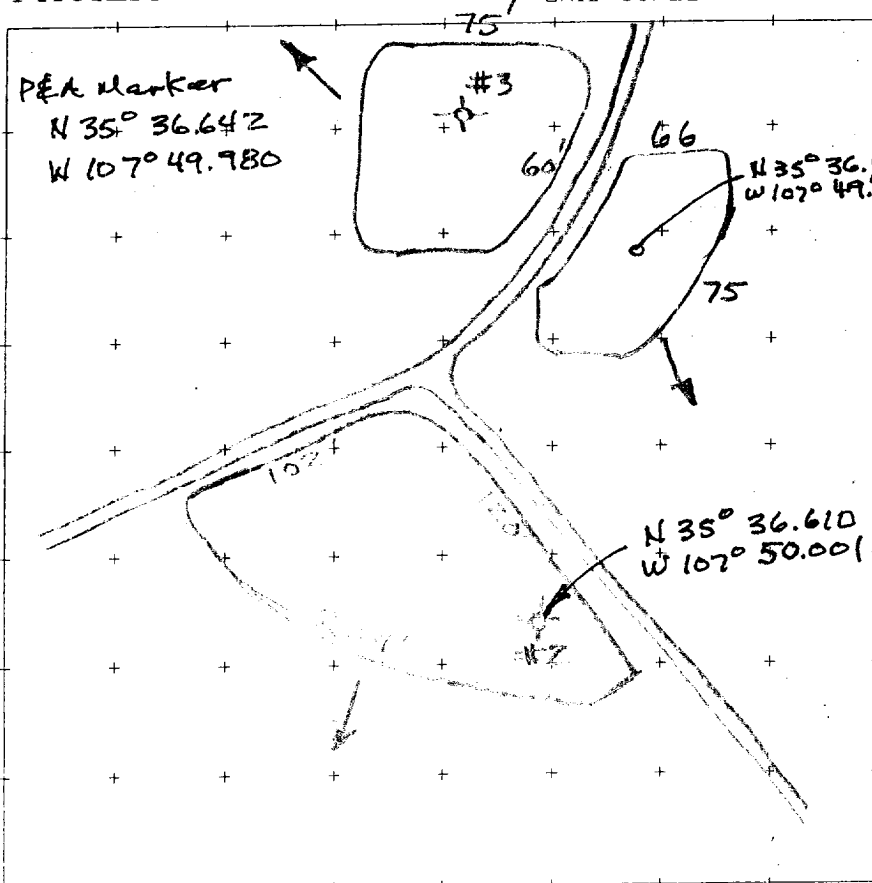
DEPTH TO GROUNDWATER: >100
NEAREST WATER SOURCE/TYPE: >1000
NEAREST SURFACE WATER: >1000
MAX TPH PER NMOC: 5000

Soil from produced water
pit spread in 3 small areas
at oil field road intersection
near Bullseye Wells #2 & 3.

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:

N ↑ NORTH
⊗ WELLHEAD
VARIES SURFACE FLOW DIR.
↘ ESTIMATED GROUNDWATER FLOW DIR.

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

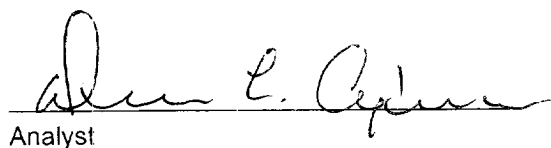
Client:	A Plus Well Service	Project #:	99042-002
Sample ID:	Bullseye #3	Date Reported:	06-27-01
Laboratory Number:	20131	Date Sampled:	06-22-01
Chain of Custody No:	9265	Date Received:	06-22-01
Sample Matrix:	Soil	Date Extracted:	06-25-01
Preservative:	Cool	Date Analyzed:	06-27-01
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

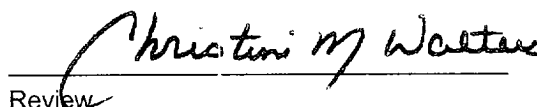
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	2.8	0.2
Diesel Range (C10 - C28)	1,080	0.1
Total Petroleum Hydrocarbons	1,080	0.1

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: Nerdlihc on-site Landfarm includes Mat'l on #2.
5 Pt. Composite.


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	A Plus Well Service	Project #:	99042-002
Sample ID:	Bullseye #3	Date Reported:	06-27-01
Laboratory Number:	20131	Date Sampled:	06-22-01
Chain of Custody:	9265	Date Received:	06-22-01
Sample Matrix:	Soil	Date Analyzed:	06-27-01
Preservative:	Cool	Date Extracted:	06-25-01
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	3.5
Toluene	ND	3.3
Ethylbenzene	29.9	3.0
p,m-Xylene	ND	4.3
o-Xylene	ND	2.1
Total BTEX	29.9	

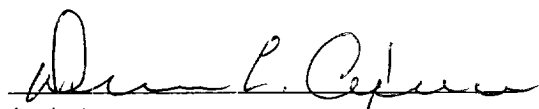
ND - Parameter not detected at the stated detection limit.

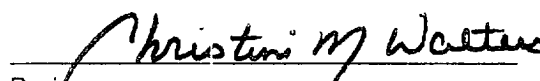
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	94 %
	1,4-difluorobenzene	94 %
	Bromochlorobenzene	94 %

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: Nerdlihc on-site Landfarm includes Mat'l on #2.
5 Pt. Composite.


Analyst


Review

CHAIN OF CUSTODY RECORD

09265

ent / Project Name				Project Location		ANALYSIS / PARAMETERS									
A Plus Well Service				NERDLITC											
impler:				Client No.											
HARLAN M. BROWN				99042-002											
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers	8015 TP4	8021 BTEX								Remarks
Bullseye #15	6.22.01	11:35	20126	Soil	1	✓	✓								on-site Landform
Arceolina #1	6.22.01	11:45	20127	Soil	1	✓	✓								on-site Landform
Bullseye Tank #1	6.22.01	12:00	20128	Soil	1	✓	✓								on-site Landform
Bullseye #7	6.22.01	12:23	20129	Soil	1	✓	✓								LANDFARM FOR TANK BATTERY SOIL
Bullseye 1Y	6.22.01	12:35	20130	Soil	1	✓	✓								on-site Landform
Bullseye #3	6.22.01	12:52	20131	Soil	1	✓	✓								on-site Landform includes Plat 1 on #2
Bullseye #12	6.22.01	13:04	20132	Soil	1	✓	✓								on-site Landform
Bullseye #16	6.22.01	13:18	20133	Soil	1	✓	✓								on-site Landform
Relinquished by: (Signature)				Date	Time	Received by: (Signature)		Date	Time						
<i>Harlan M. Brown</i>				6.22.01	17:00	<i>[Signature]</i>		6/22/01	11:00						
Relinquished by: (Signature)						Received by: (Signature)									
Relinquished by: (Signature)						Received by: (Signature)									

Sample Receipt			
Y	N	N/A	
Received Intact	✓		
Cool - Ice/Blue Ice	✓		

ENVIROTECH INC.

5796 U.S. Highway 64
Farmington, New Mexico 87401
(505) 632-0615