

Lenny E. Foust
DEPUTY OIL & GAS INSPECTOR
District II
P.O. Drawer DD, Artesia, NM 88211
District III JAN 16 1998
1000 Rio Brazos Rd., Artesia, 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 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

Approved
PIT REMEDIATION AND CLOSURE REPORT

Operator: Phillips Petroleum Company Telephone: (505) 599-3400

Address: 5525 Hwy. 64, NBU 3004, Farmington, NM 87401

Facility Or: San Juan 32 - 7 Unit # 48
Well Name

Location: Unit or Qtr/Qtr Sec NWNW Sec 35 T 32N R 7W County San Juan

Pit Type: Separator X Dehydrator _____ Other _____

Land Type: BLM X State _____ Fee _____ Other _____

Pit Location: Pit dimensions: Length 29 ft, width 20 ft, depth 7 ft
(Attach diagram)

Reference: wellhead X other _____

Footage from reference: 80 ft

Direction from reference: 16 Degrees _____ East of North _____
_____ West _____ South X

Depth to Ground Water: 140 ft X Less than 50 feet (20 points)
(vertical distance from _____ 50 ft to 99 feet (10 points)
contaminants to seasonal _____ Greater than 100 feet (0 points) 0
highwater elevation of
ground water)

Wellhead Protection Area: RECEIVED Yes (20 points)
(less than 200 feet from a private SEP 25 1997 X No (0 points) 0
domestic water source, or: less than
1000 feet from all other water sources)

Distance to Surface Water: OIL CON. DIV. Less than 200 feet (20 points)
(horizontal distance to any surface DIST. 3 200 feet to 1000 feet (10 points)
water, including lakes, ponds, rivers, streams, creeks, X Greater than 1000 feet (0 points) 0
irrigation canals and ditches)

Date Remediation Started: 8/2/94

Dated Completed: 9/9/94

Excavation X

Approx. cubic yards 168

Landfarmed X

Insitu Bioremediation _____

Other _____

Remediation Method:

Onsite X

Offsite _____

(Check all appropriate
sections)

General Description of Remedial Action- The pit was excavated on 8/2/94, 7 feet below original pit bottom. The landfarm was determined to be within guidelines on 9/9/94. Based on this information and the physical location of the pit, there is no risk to human health or environment.

Ground Water Encountered:

No X

Yes _____

Depth _____

Final Pit:

Is this sampling
of multiple sections,
attach sample results

and diagram of sample
locations and depths)

Sample location See pit closure verification field report form

Sample depth 6' below ground level

Sample date 8/2/94

Sample time NA

Sample Results

Benzene (ppm) ND (sample #2B)

Total PTEX (PPM) 0.42 (sample #2B)

Field Headspace (ppm) 615 (sample #2B), 598 (sample #2)

TPH 2200 (sample #2)

Ground Water Sample: Yes

No X

(if yes, attach sample results)

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

DATE

9/14/97

PRINTED NAME

Bob Wirtanen

SIGNATURE

Bob Wirtanen

and TITLE

Sr. Safety & Environmental Specialist

CLIENT: Phillips Petroleum**ENVIROTECH Inc.**PIT NO: PA2245798 US HWY. 84, FARMINGTON, NM 87401
(505) 832-0815C.O.C. NO: 3814**FIELD REPORT: CLOSURE VERIFICATION**JOB No: 93163
PAGE No: 1 of 1LOCATION: NAME: San Juan 32-7 WELL #: 48 PIT: sep/prod/dehy
QUAD/UNIT: D SEC: 35 TWP: 32N RNG: 7W BM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: 900'ENL & 1030'FWL CONTRACTOR: CimarronDATE STARTED: _____
DATE FINISHED: 8/2/94
ENVIRONMENTAL
SPECIALIST: C.L.G.SOIL REMEDIATION: EXCAVATION APPROX. 29 FT. x 20 FT. x 7 FT. DEEP.
DISPOSAL FACILITY: Landfarmed on Site CUBIC YARDAGE: 150
LAND USE: Range LEASE: SF-078543FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 80 FEET S16W FROM WELLHEAD.DEPTH TO GROUNDWATER: 140' NEAREST WATER SOURCE: >1000' NEAREST SURFACE WATER: >1000'NMOCB RANKING SCORE: 0 NMOCB TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

Soil is gray and red/brown clay with sand, slightly moist

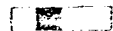
Northeast side (sample #2) is cohesive (highly plastic)

Excavation extended to NE corner

FIELD 4181 CALCULATIONS

SAMPLE I.D.	LAB No	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
2 @ 6 ft	627	10	20	10	110	2200

SCALE

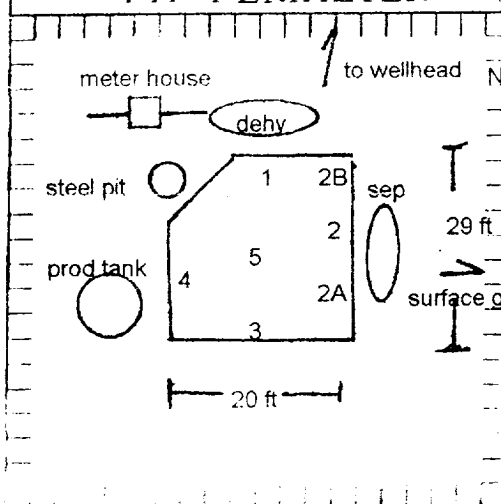


0 FEET

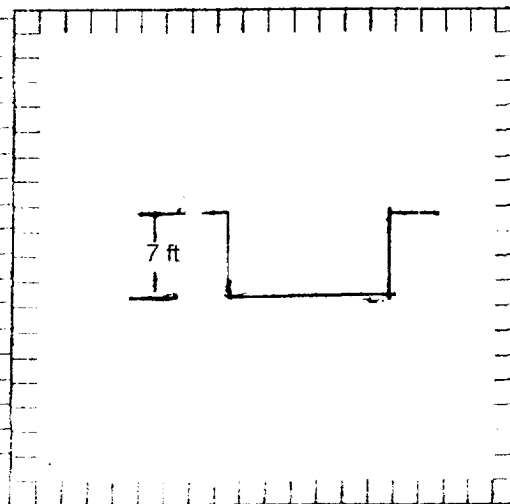
PIT PERIMETER

OVM
RESULTS

PIT PROFILE

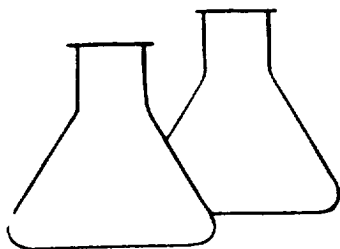


SAMPLE I.D.	FIELD HEADSPACE P10 (ppm)
1 @ 6'	38
2 @ 6'	598
3 @ 6'	10
4 @ 6'	7
5 @ 7'	166
2A @ 6'	72
2B @ 6'	615
LAB SAMPLES	
2B @ 6'	BTEX
5 @ 7'	BTEX



TRAVEL NOTES:

CALL OUT: 8/2/94ONSITE: 8/2/94



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	2 @ 6'	Date Analyzed:	8-2-94
Project Location:	San Juan 32-7 #48	Date Reported:	8-2-94
Laboratory Number:	GAC0627	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	2,200	100

ND = Not Detectable at stated detection limits.

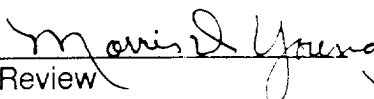
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	11,000	12,600	14

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Separator/Production/Dehydrator Pit PA224


Analyst


Review

Client/Project Name

Project Location

Phillips 93163

San Juan 32-7 #48

ANALYSIS/PARAMETERS

Sampler: (Signature)

Chain of Custody Tape No.

Cl Guntz

**Sample No./
Identification**

Sample
Date

Sample Time

Lab Number

**Sample
Matrix**

No. of
Containers

BTEX
(8020)

Remarks

2B/c 6'

8/2/94

1120

776.2

Sp. 1

exp/prod/ehyd. pit

5071

11

1130

776.3

11

1

--	--

Acquired by: (Signature)

Alberta

8/2/94

049

1947-12-12

12/2/99

17

Relinquished by: (Signature)

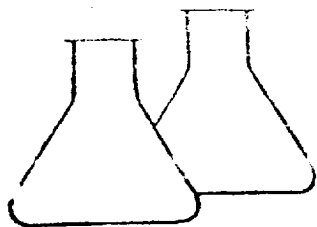
Received by: (Signature)

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615



ENVIROTECH LABS

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PHONE (505) 632-0615 • FAX (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	PHILLIPS	Project #:	93163
Sample ID:	2B @ 6'	Date Reported:	08-15-94
Laboratory Number:	7762	Date Sampled:	08-02-94
Sample Matrix:	Soil	Date Received:	08-02-94
Preservative:	Cool	Date Extracted:	08-08-94
Condition:	Cool & Intact	Date Analyzed:	08-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	19.6
Toluene	41	19.6
Ethylbenzene	28	13.1
p,m-Xylene	258	19.6
o-Xylene	91	19.6

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	110 %
	Bromofluorobenzene	101 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

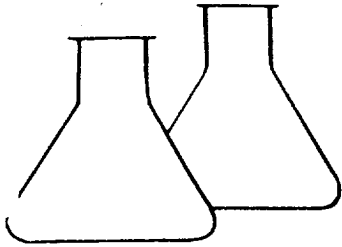
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: SAN JUAN 32-7 # 48 SEP/PROD/ DEHYD PIT PA224

Reed L. Griffin
Analyst

Morris D. Young
Review



ENVIROTECH LABS

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EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	PHILLIPS	Project #:	93163
Sample ID:	507'	Date Reported:	08-15-94
Laboratory Number:	7763	Date Sampled:	08-02-94
Sample Matrix:	Soil	Date Received:	08-02-94
Preservative:	Cool	Date Extracted:	08-08-94
Condition:	Cool & Intact	Date Analyzed:	08-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	20.1
Toluene	32	20.1
Ethylbenzene	ND	13.4
p,m-Xylene	ND	20.1
o-Xylene	ND	20.1

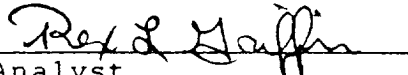
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	105 %
	Bromofluorobenzene	90 %

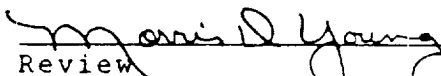
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

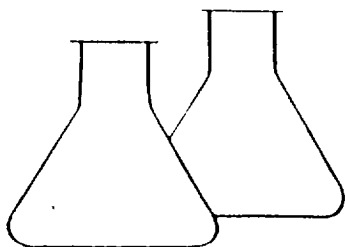
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: SAN JUAN 32-7 # 48 SEP/PROD/ DEHYD PIT PA224


Analyst


Review



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** QUALITY ASSURANCE REPORT
METHOD 8020 BTEX

MATRIX DUPLICATE
AROMATIC VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	08-15-94
Laboratory Number:	7765 DUPLICATE	Date Sampled:	08-02-94
Sample Matrix:	Water	Date Received:	08-02-94
Preservative:	HgCl and Cool	Date Analyzed:	08-11-94
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Percent Difference
Benzene	0	0	0.9
Toluene	15.2	16.0	5.4
Ethylbenzene	3.0	3.7	18.7
p,m-Xylene	ND	ND	0.0
o-Xylene	ND	ND	0.0

QA ACCEPTANCE CRITERIA: Administrative control limit set
at maximum of 30% difference.

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

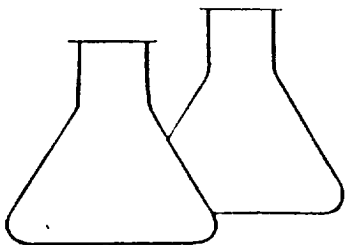
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments:

Rex L. Gaffin
Analyst

Marian D. Young
Review



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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	08-15-94
Laboratory Number:	0811BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	08-11-94
Condition:	NA	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
-----	-----	-----
Benzene	ND	0.3
Toluene	ND	0.4
Ethylbenzene	ND	0.3
p,m-Xylene	ND	0.3
o-Xylene	ND	0.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	-----	-----
	Trifluorotoluene	102 %
	Bromofluorobenzene	128 %

Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating
Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Rex L. Griffin
Analyst

Mavis D. Young
Review

ENVIROTECH Inc!

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0615

PIT No: PA 224
C.O.C #:

FIELD REPORT: REMEDIATION FACILITY CLOSURE VERIFICATION

JOB No: 93163
PAGE No: 1 of 1

FACILITY LOCATION: San Juan 32-7 #45

SOURCE LOCATION:

SOURCE LOCATION:

SOURCE LOCATION:

FACILITY CLASSIFICATION:

PIT TYPE: Separator

DATE STARTED: 9/9/94

DATE FINISHED: 9/9/94

ENVIRONMENTAL
SPECIALIST: CJC

SOIL REMEDIATION: QUANTITY: 58 cubic yards # OF COMP. SAMPLES: 1

DIMENSIONS: 34 ft X 72 ft X 0.75 ft

VISIBLE OBSERVATIONS: Soil is gray to tan clay, dry

SAMPLING PLAN:

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 20 YARDS NE FROM WELLHEAD.

DEPTH TO GROUNDWATER: 140 ft

NEAREST WATER SOURCE/TYPE: >1000 ft

NEAREST SURFACE WATER: >1000 ft

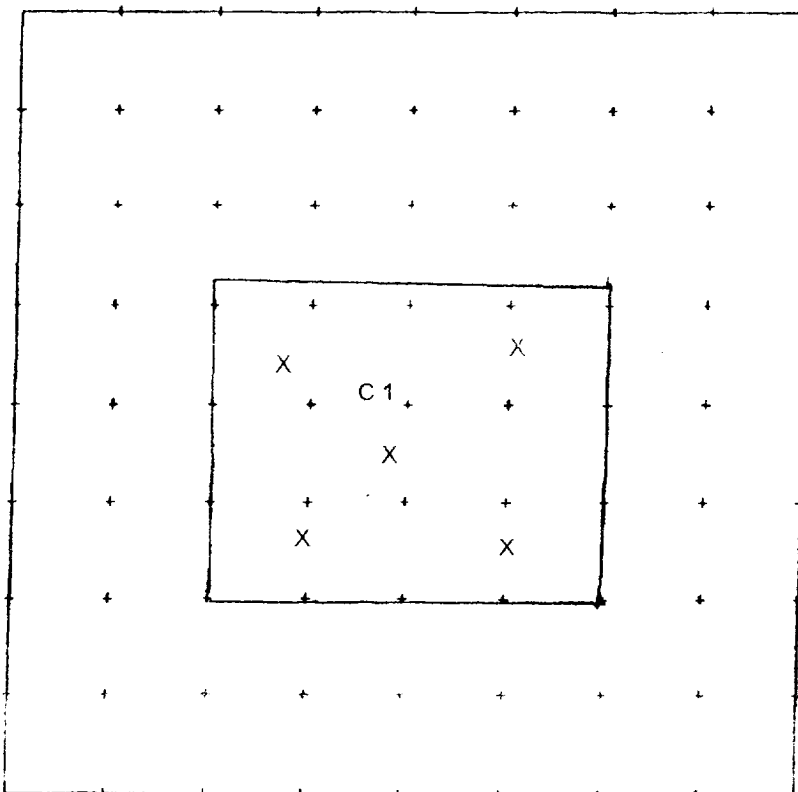
MAX TPH PER NMOC: 5000 ppm

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

C 1: 282 X 2 = 564 ppm

FACILITY DIAGRAM

GRID SCALE: 1 inch = 40 ft

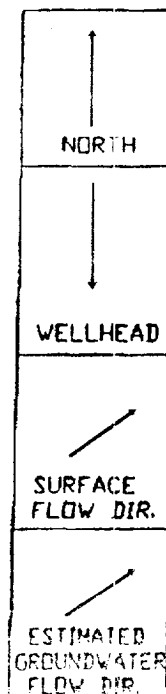


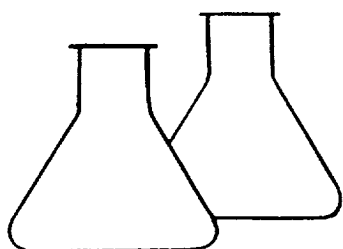
OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PPM (ppm)
C 1	20

LAB RESULTS

SAMPLE ID	ANALYSIS REQUESTED	RESULTS (PPM)
C 1	TPH	564





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PHONE: (505) 632-0615 • FAX: (505) 632-1865

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Phillips Petroleum
Sample ID: C-1
Project Location: San Juan 32-7 #48
Laboratory Number: GAC0727

Project #: 93163
Date Analyzed: 9-09-94
Date Reported: 9-26-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	564	10

ND = Not Detectable at stated detection limits.

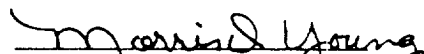
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	920	900	2

*Administrative Acceptance limits set at 30%.

Method: Modified Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No.4551, 1978

Comments: Landfarm of Soil From Separator Pit PA224


Analyst


Review