

Denny & Foust
DEPUTY OIL & GAS INSPECTOR

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District Office
JAN 16 1998
1000 Rio Grande Blvd., Santa Fe, NM 87510

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

PIT REMEDIATION AND CLOSURE REPORT

Operator: Phillips Petroleum Company Telephone: (505) 599-3462

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

Facility Or: San Juan 32 - 7 Unit # 50

Well Name

Location: Unit or Qtr/Qtr Sec SWSE Sec 34 T 32N R 7W County San Juan

Pit Type: Separator X Dehydrator _____ Other _____

Land Type: BLM X State _____ Fee _____ Other _____

Pit Location: (Attach diagram) Pit dimensions: Length 18 ft width 21 ft depth 12 ft

Reference: wellhead X other _____

Footage from reference: 100 ft

Direction from reference: 20 Degrees X East of North _____
West South X

Depth to Ground Water: 340 ft Less than 50 feet (20 points)
(vertical distance from _____ 50 ft to 99 feet (10 points)
contaminants to seasonal _____ X Greater than 100 feet (0 points) 0
highwater elevation of
ground water)

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

Distance to Surface Water: Less than 200 feet (20 points)
_____ 200 feet to 1000 feet (10 points)
X Greater than 1000 feet (0 points) 0
(lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches.)

Date Remediation Started: 7/7/94

Dated Completed: 10/3/94

Excavation X

Approx. cubic yards 154

Landfarmed X

Insitu Bioremediation _____

Other _____

Remediation Method: Onsite X Offsite _____

(Check all appropriate sections)

General Description of Remedial Action- The pit was assessed on 7/7/94. The pit was excavated to a pit size of 18 ft X 21 ft X 12 ft in depth. The excavated pit was enclosed by bedrock. The excavated pit was sampled for closure purposes and was determined that the walls and bottom were within NMOCD and BLM guidelines. The landfarm was determined to be within guidelines on 10/3/94. 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:

Closure Sampling of multiple samples, attach sample results

and diagram of sample locations and depths)

Sample location See pit closure verification field report form

Sample depth 12' below ground level (sample #3)

Sample date 2/13/96 Sample time 10:30

Sample Results

Benzene(ppm) 0.069

Total BTEX (PPM) 2.29

Field Headspace (ppm) 836 (sample #3)

TPH 890 (sample #3)

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 9/14/07

PRINTED NAME Bob Wiranen

SIGNATURE [Signature]

and TITLE Sr. Safety & Environmental Specialist

ENVIROTECH Inc.

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

FIT NO: PA213

C.O.C. NO: 3673

FIELD REPORT: SITE ASSESSMENT

JOB No 93163
PAGE No: 1 of 1

PROJECT: PIT ASSESSMENT
CLIENT: Phillips Petroleum
CONTRACTOR: ENVIROTECH, INC.
EQUIPMENT USED: CASE Extend-A-Dig

DATE STARTED: 7/7/94
DATE FINISHED: 7/7/94
ENVIRO. SPC: CLG
OPERATOR: Cimarron
ASSISTANT: K.C.

LOCATION: LEASE: San Juan 32-7 WELL: 50 QD: O
SEC: 34 TWP: 32 N RNG: 7 W PM: NM CNTY: SJ ST: NM PIT: Separator / Production

LAND USE: Range - Lease # 078998

SURFACE CONDITIONS: Dry earthen pit - stained

PIT CENTER IS LOCATED APPROXIMATELY 100 FEET S 20 E OF WELLHEAD.

T1: Brown, turning black sand and clay, slightly moist; odor.

FIELD 418.1 CALCULATIONS

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

DEPTH TO GROUNDWATER: 340'
NEAREST WATER SOURCE/TYPE: N/A
NEAREST SURFACE WATER: N/A
NMED RANKING SCORE: 0
NMED TPH CLOSURE STD: 5000

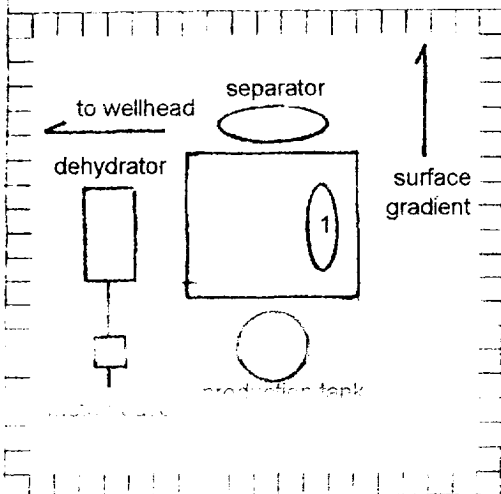
SAMPLE INVENTORY

SMPL ID	SMPL TYPE	LABORATORY ANALYSIS
T1 @ 6'	soil	418.1
T1 @ 6'	soil	BTEX

SCALE



FEET
SITE DIAGRAM



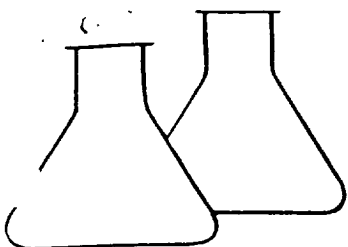
TH#	SOIL TYPE	SMPL TYPE	OVN/TPH
1			
2			
3			
4			
5			
6			

pit bottom

SC GRB 625

Total depth = 6'

Soil Type: C - Clay, M - Silt, S - Sand, G - Gravel, P - Peat, L - None, H - Plastic, G - Gravel, P - Peat, W - Wet



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401

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

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Phillips	Project #:	93163
Sample ID:	T1 @ 6'	Date Reported:	07-13-94
Laboratory Number:	7700	Date Sampled:	07-07-94
Sample Matrix:	Soil	Date Received:	07-07-94
Preservative:	Cool	Date Extracted:	07-08-94
Condition:	Cool & Intact	Date Analyzed:	07-11-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	204	20.4
Toluene	3490	27.2
Ethylbenzene	1390	40.7
p,m-Xylene	15900	61.1
o-Xylene	4760	47.5

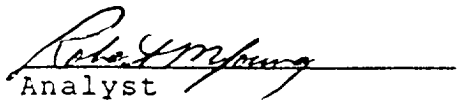
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Bromofluorobenzene	92 %

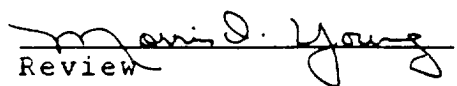
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

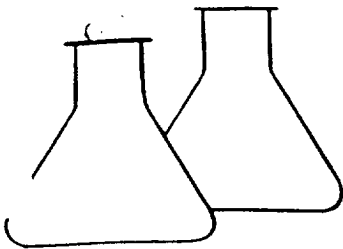
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: San Juan 32-7 #50 PA213


Analyst


Review



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
Sample ID: T1 @ 6'
Project Location: San Juan 32-7 #50
Laboratory Number: GAC0597

Project #: 93163
Date Analyzed: 7-7-94
Date Reported: 7-7-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	60	10

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 Pit PA213

Analyst

Review

CLIENT: Phillips Petroleum Co.**ENVIROTECH Inc.**PIT NO: PA2135796 US HWY. 64, FARMINGTON, NM 87401
(505) 832-0615

C.O.C. NO: _____

FIELD REPORT: CLOSURE VERIFICATIONJOB No: 93163PAGE No: 1 of 1LOCATION: NAME: San Juan 32-7 WELL #: 50 PIT: SeparatorDATE STARTED: 5/18/95QUAD/UNIT: O SEC: 34 TWP: 32 N RNG: 7 W BM: NM CNTY: SJ ST: NMDATE FINISHED: 5/18/95QTR/FOOTAGE: _____ CONTRACTOR: EnvirotechENVIRONMENTAL
SPECIALIST: CJCSOIL REMEDIATION: EXCAVATION APPROX. 18 FT. x 21 FT. x 11 FT. DEEP.DISPOSAL FACILITY: Landfarm CUBIC YARDAGE: 154 cyLAND USE: Range LEASE: 078998FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 100 FEET S20E FROM WELLHEAD.DEPTH TO GROUNDWATER: 340 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000NMDCD RANKING SCORE: 0 NMDCD TPH CLOSURE STD: 5000 PPM**SOIL AND EXCAVATION DESCRIPTION:**

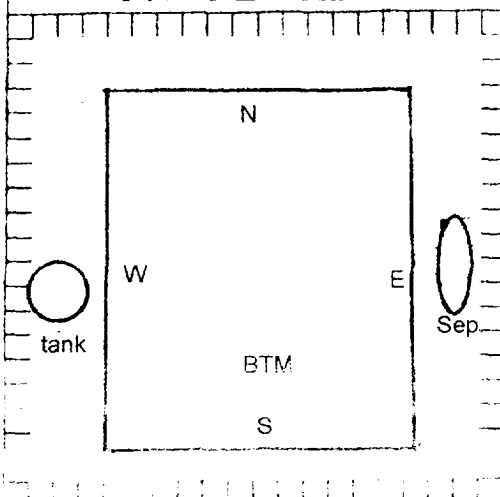
Sand clay and shale, firm, dry, strong odor.

NW@8'		1065	9.60	20	1	428	892
FIELD 418.1 CALCULATIONS							
SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm	
EW@8'	1066	10.71	20	10	329	6144	
WW@8'	1067	10.43	20	100	99	19000	
SW@8'	1068	10.03	20	100	108	21500	
BTM@12'	1069	10.41	20	10	211	4100	

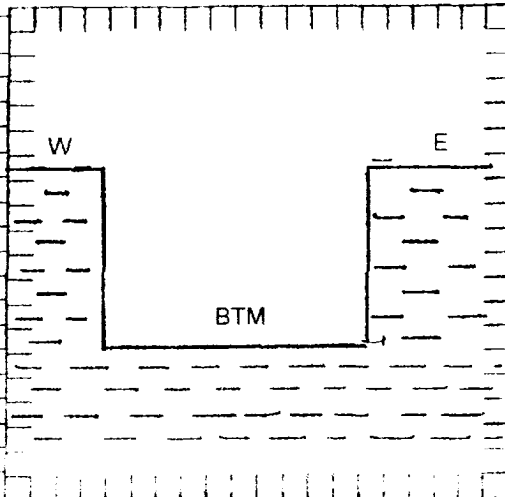
SCALE



0 10 FEET

PIT PERIMETER**OVM
RESULTS**

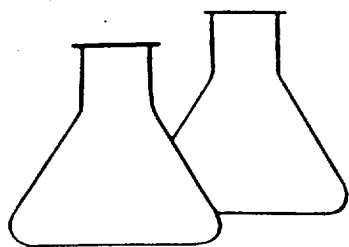
SAMPLE ID	FIELD HEADSPACE PO (ppm)
1 NW@8'	1162
2 EW@8'	670
3 WW@8'	267
4 SW@8'	642
5 BTM@12'	686
LAB SAMPLES None	

PIT PROFILE

TRAVEL NOTES:

CALLOUT: _____

ONSITE: _____



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

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	PHILLIPS PETROLEUM	Project #:	93163
Sample ID:	Bottom @ 8'	Date Analyzed:	05/18/95
Project Location:	San Juan 32-7, #50	Date Reported:	05/18/95
Laboratory Number:	GAC1069	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	4,100	100

ND = Not Detectable at stated detection limits.

QA/QC:	Original TPH mg/kg	Duplicate TPH mg/kg	% Diff.*
	10	13	26

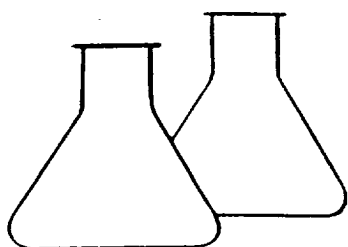
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit # PA213

C. Jack Collins
Analyst

Stacy W. Anderson
Review



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:	S. Wall @ 8'	Date Analyzed:	05/18/95
Project Location:	San Juan 32-7, #50	Date Reported:	05/18/95
Laboratory Number:	GAC1068	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	22,000	1,000

ND = Not Detectable at stated detection limits.

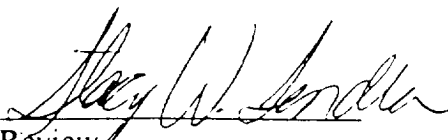
QA/QC:	Original TPH mg/kg	Duplicate TPH mg/kg	% Diff.*
	10	13	26

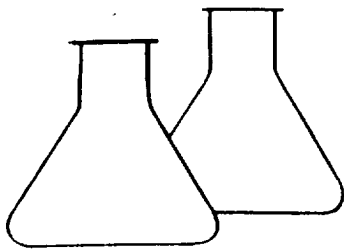
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit # PA213


Analyst


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

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	PHILLIPS PETROLEUM	Project #:	93163
Sample ID:	W. Wall @ 8'	Date Analyzed:	05/18/95
Project Location:	San Juan 32-7, #50	Date Reported:	05/18/95
Laboratory Number:	GAC1067	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	19,000	1,000

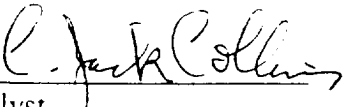
ND = Not Detectable at stated detection limits.

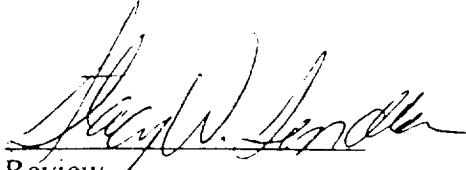
QA/QC:	Original TPH mg/kg	Duplicate TPH mg/kg	% Diff.*
	10	13	26

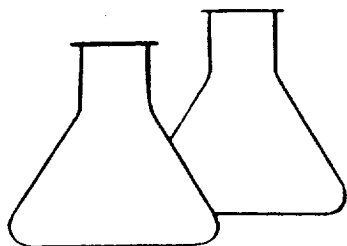
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit # PA213


Analyst


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ENVIROTECH LABS

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

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	PHILLIPS PETROLEUM	Project #:	93163
Sample ID:	E. Wall @ 8'	Date Analyzed:	05/18/95
Project Location:	San Juan 32-7, #50	Date Reported:	05/18/95
Laboratory Number:	GAC1066	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	6,100	100

ND = Not Detectable at stated detection limits.

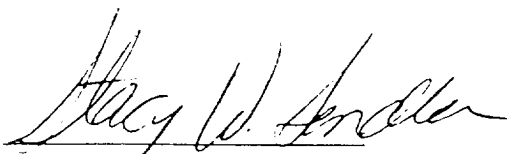
QA/QC:	Original TPH mg/kg	Duplicate TPH mg/kg	% Diff.*
	10	13	26

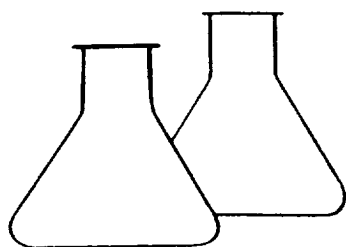
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit # PA213


Analyst


Review



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

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	PHILLIPS PETROLEUM	Project #:	93163
Sample ID:	N. Wall @ 8'	Date Analyzed:	05/18/95
Project Location:	San Juan 32-7, #50	Date Reported:	05/18/95
Laboratory Number:	GAC1065	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	890	10

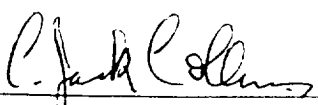
ND = Not Detectable at stated detection limits.

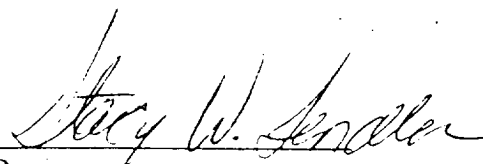
QA/QC:	Original TPH mg/kg	Duplicate TPH mg/kg	% Diff.*
	10	13	26

*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit # PA213


Analyst


Review

CLIENT: Phillip's Petroleum Co.

ENVIROTECH Inc.

PIT NO: PA 213

5796 US HWY. 84, FARMINGTON, NM 87401
(505) 632-0615

C.O.C. NO: 4701

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 93163

PAGE No: 1 of 1

LOCATION: NAME: San Juan 32-7 WELL #: 50 PIT: Separator

DATE STARTED: 2/13/96

QUAD/UNIT: O SEC: 34 TWP: 32 N RNG: 7W BM: NM CNTY: SJ ST: NM

DATE FINISHED: 2/13/96

QTR/FOOTAGE: CONTRACTOR: Jay's Backhoe

ENVIRONMENTAL
SPECIALIST: CJC

SOIL REMEDIATION: EXCAVATION APPROX. 18 FT. x 21 FT. x 12 FT. DEEP.

DISPOSAL FACILITY: On site landfarm

CUBIC YARDAGE: 154 cy

LAND USE: Range

LEASE: 078998

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 100 FEET S20E FROM WELLHEAD.

DEPTH TO GROUNDWATER: 340' NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000

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

SOIL AND EXCAVATION DESCRIPTION:

Gray -green, tan sandy clay and shale.

FIELD 418.1 CALCULATIONS

	SAMPLE I.D.	LAB No.	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
2	EW@8'	1163	10.62	20	1	23	43
3	BTM@12'	1164	10.50	20	1	466	890
4	WW@8'	1165	10.50	20	1	38	72
5	SW@8'	1166	10.30	20	1	28	54

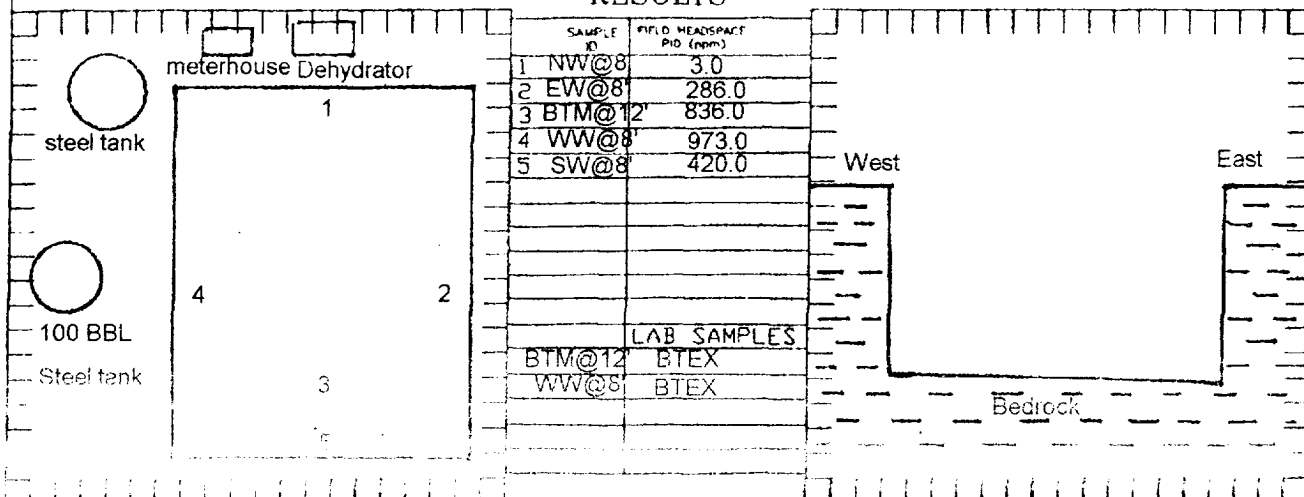
SCALE

0 10' FEET

PIT PERIMETER

OVM
RESULTS

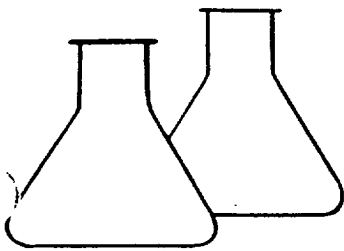
PIT PROFILE



TRAVEL NOTES:

CALLOUT:

ONSITE:



ENVIROTECH LABS

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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: **EW @ 8'**
Project Location: **San Juan 32-7, #50**
Laboratory Number: **GAC1163**

Project #: **93163**
Date Analyzed: **02/13/96**
Date Reported: **02/20/96**
Sample Matrix: **Soil**

<u>Parameter</u>	<u>Result, mg/kg</u>	<u>Detection Limit, mg/kg</u>
Total Recoverable Petroleum Hydrocarbons	43	10

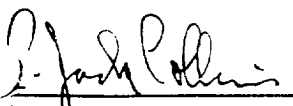
ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample _____TPH mg/kg	Duplicate _____TPH mg/kg	% *Diff.
	100	109	9

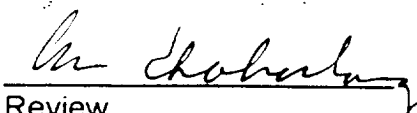
*Administrative Acceptance limits set at 30%.

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

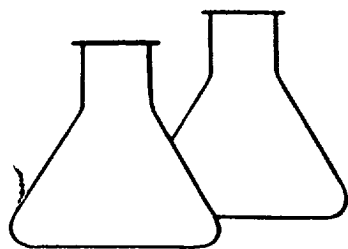
Comments: Separator Pit PA213



Analyst



Review



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:	BTM @ 12'	Date Analyzed:	02/13/96
Project Location:	San Juan 32-7, #50	Date Reported:	02/20/96
Laboratory Number:	GAC1164	Sample Matrix:	Soil

<u>Parameter</u>	<u>Result, mg/kg</u>	<u>Detection Limit, mg/kg</u>
Total Recoverable Petroleum Hydrocarbons	890	10

† ND = Not Detectable at stated detection limits.

<u>QA/QC:</u>	<u>QA/QC Sample</u>	<u>Duplicate</u>	<u>%</u>
	<u>TPH mg/kg</u>	<u>TPH mg/kg</u>	<u>*Diff.</u>
	100	109	9

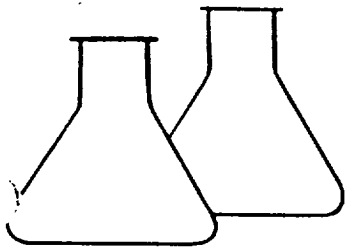
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA213

J. Jack Collins
Analyst

A. Chaburley
Review



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**
Sample ID: **WW @ 8'**
Project Location: **San Juan 32-7, #50**
Laboratory Number: **GAC1165**

Project #: **93163**
Date Analyzed: **02/13/96**
Date Reported: **02/20/96**
Sample Matrix: **Soil**

<u>Parameter</u>	<u>Result, mg/kg</u>	<u>Detection Limit, mg/kg</u>
Total Recoverable Petroleum Hydrocarbons	72	10

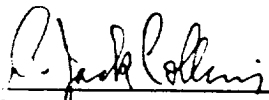
ND = Not Detectable at stated detection limits.

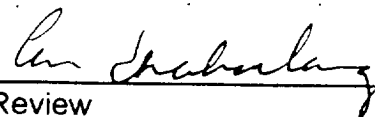
QA/QC:	QA/QC Sample _____ TPH mg/kg	Duplicate _____ TPH mg/kg	% *Diff.
	100	109	9

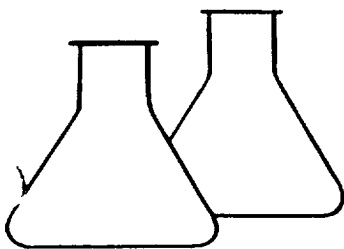
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA213


Analyst


Review



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

FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	SW @ 8'	Date Analyzed:	02/13/96
Project Location:	San Juan 32-7, #50	Date Reported:	02/20/96
Laboratory Number:	GAC1166	Sample Matrix:	Soil

<u>Parameter</u>	<u>Result, mg/kg</u>	<u>Detection Limit, mg/kg</u>
Total Recoverable Petroleum Hydrocarbons	54	10

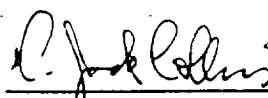
ND = Not Detectable at stated detection limits.

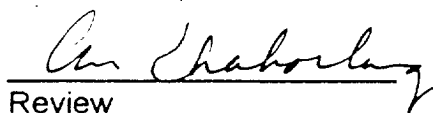
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	100	109	9

*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 Pit PA213


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	BTM @ 12'	Date Reported:	02-14-96
Laboratory Number:	A006	Date Sampled:	02-13-96
Chain of Custody:	4701	Date Received:	02-13-96
Sample Matrix:	Soil	Date Analyzed:	02-14-96
Preservative:	Cool	Date Extracted:	02-14-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	69.0	22.3
Toluene	269	24.0
Ethylbenzene	109	18.9
p,m-Xylene	1,370	35.3
o-Xylene	466	23.0
Total BTEX	2,290	

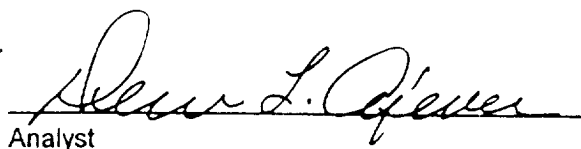
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	97 %

References: 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. 1994.

Comments: San Juan 32-7 #50 PA213


Analyst


Review

ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	WW @ 8'	Date Reported:	02-14-96
Laboratory Number:	A005	Date Sampled:	02-13-96
Chain of Custody:	4701	Date Received:	02-13-96
Sample Matrix:	Soil	Date Analyzed:	02-14-96
Preservative:	Cool	Date Extracted:	02-14-96
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	22.3
Toluene	ND	24.1
Ethylbenzene	ND	18.9
p,m-Xylene	ND	35.3
o-Xylene	ND	23.0
Total BTEX	ND	

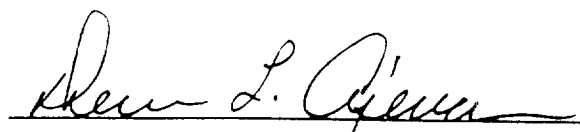
ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Trifluorotoluene	102 %
	Bromofluorobenzene	100 %

References: 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. 1994.

Comments: San Juan 32-7 #50 PA213


Analyst


Review

CHAIN OF CUSTODY RECORD

Client/Project Name			Project Location			Sample (Signature)		Chain of Custody Tape No.		ANALYSIS/PARAMETERS									
Phillips Petroleum			San Juan 32-7			C. Jack Collins		R3163											
Sample No./Identification	Sample Date	Sample Time	Lab Number	Sample Matrix	No. of Containers					Remarks									
S.S. 32-7 #50	2/13/96	948	A005	Soil	1	BTEX				PA 2.13									
NW @ 8'	2/13/96	1030	A006	Soil	1					PA 2.13									
S.S. 32-7 #80																			
NW @ 4'	2/13/96	1337	A-007	Soil	1					PA 2.23									
Retinquished by: (Signature)			Date			Time			Received by: (Signature)			Date			Time				
C. Jack Collins			2/13/96			1536			J. O. Oleson			2/13/96			1536				
Retinquished by: (Signature)									Received by: (Signature)										
Retinquished by: (Signature)									Received by: (Signature)										

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 5796 U.S. Highway 64-3014
 Farmington, New Mexico 87401
 (505) 632-0615

ENVIROTECH Inc!5798 US HWY. 84, FARMINGTON, NM 87401
(505) 632-0615PIT No: PA213
C.O.C #: _____**FIELD REPORT: REMEDIATION FACILITY
CLOSURE VERIFICATION**JOB No: 93163
PAGE No: 1 of 1

FACILITY LOCATION: Phillips Petroleum Co.

SOURCE LOCATION: San Juan 32-7 #50

SOURCE LOCATION: _____

FACILITY CLASSIFICATION: Landfarm

PIT TYPE: Separator

DATE STARTED: 10/3/94
DATE FINISHED: 10/3/94ENVIRONMENTAL
SPECIALIST: CJC/HMB

SOIL REMEDIATION: QUANTITY: 117 cubic yards # OF COMP. SAMPLES: 2

DIMENSIONS: 39' X 70' X 5' & 33' X 72' X 75'

VISIBLE OBSERVATIONS: 50 yards and 66 yards clay, tan, brown.

SAMPLING PLAN: dry slight odor.

FIELD NOTES & REMARKS: FACILITY CENTER LOCATED APPROX 9 YARDS SE FROM WELLHEAD.

DEPTH TO GROUNDWATER: 340'
NEAREST WATER SOURCE/TYPE: N/A
NEAREST SURFACE WATER: N/A
MAX TPH PER NMOC: 5000

C2 located approximately 10 yards NE from wellhead.

Landfarms on site (2)

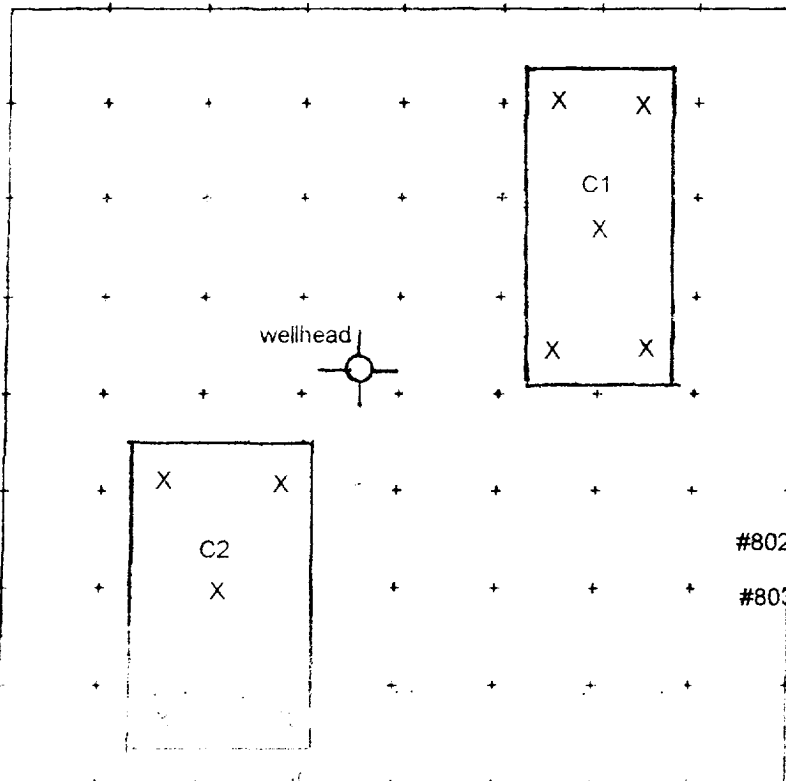
No. OF 5-POINT
COMPOSITE SAMPLES:
YARDAGE--#
0-200=1
201-400=2
401-1000=3
1000=5

C1: 20ml/10.4g X 1 X 75 = 163.3 ppm

C2: 20ml/10.36g X 1 X 44 = 87.1 ppm

FACILITY DIAGRAM

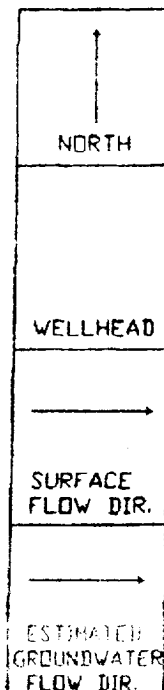
GRID SCALE: 1" = 40'

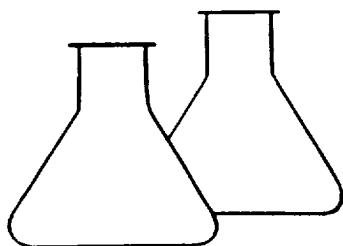
**OVM
RESULTS**

SAMPLE ID	FIELD HEADSPACE PPM (ppm)
C1	222
C2	60

**LAB
RESULTS**

SAMPLE ID	ANALYSIS REQUESTED	RESULTS PPM
C1	TPH	163
C2	TPH	87
C1	BTEX	LAB





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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client: Phillips Petroleum
Sample ID: C-1
Project Location: San Juan 32-7 # 50
Laboratory Number: GAC0802

Project #: 93163
Date Analyzed: 10-03-94
Date Reported: 10-03-94
Sample Matrix: Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	163	10

ND = Not Detectable at stated detection limits.

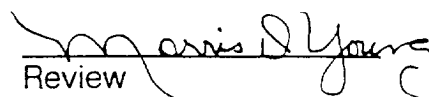
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	60	56	7

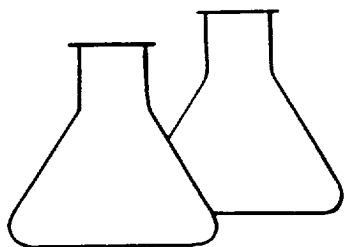
* Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA213


Analyst


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FIELD MODIFIED EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Phillips Petroleum	Project #:	93163
Sample ID:	C-2	Date Analyzed:	10-03-94
Project Location:	San Juan 32-7 # 50	Date Reported:	10-03-94
Laboratory Number:	GAC0803	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	87	10

ND = Not Detectable at stated detection limits.

QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	60	56	7

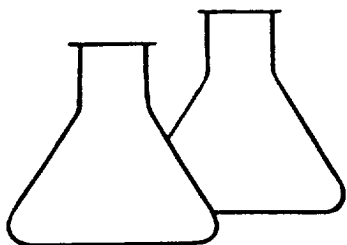
*Administrative Acceptance limits set at 30%.

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

Comments: Separator Pit PA213

C. Jack Collins
Analyst

Morris D. Young
Review



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EPA METHOD 8210 AROMATIC VOLATILE ORGANICS

Client:	Phillips	Project #:	93160
Sample ID:	C-1 Landfarm	Date Reported:	10-28-94
Laboratory Number:	7958BTEX.	Date Sampled:	10-08-94
Chain of Custody	3951	Date Received:	10-08-94
Sample Matrix:	Soil	Date Extracted:	10-17-94
Preservative:	Cool	Date Analyzed:	10-17-94
Condition:	Cool & Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/kg)	Det. Limit (ug/kg)
Benzene	364	33.1
Toluene	1500	143.0
Ethylbenzene	760	33.1
p,x-Xylene	1100	143.1
o-Xylene	100	143.1

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorobenzene	91
	Bromofluorobenzene	100

Method: Method 8060, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1993.

Method 8210, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1993.

ND - Parameter not detected at the stated detection limit.

Comments: Phillips San Juan 01-7 # 10 Landfarm

R. S. Gaffi
Analyst

Stacy W. Bender
Series

