

District I
P.O. Box 1980, Hobbs, NM
District II
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

04
A0110
RECEIVED
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OIL CON. DIV.
DIST. 3
SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PIT REMEDIATION AND CLOSURE REPORT

Denied 12/9/96 LF

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility Or: VCU # 7
Well Name
Location: Unit or Qtr/Qtr Sec E Sec 36 T28N R4W County RIO ARRIERA
Fit Type: Separator Dehydrator Other BLOW
Land Type: BLM ☒, State ☐, Fee ☐, Other ☐

Pit Location: Pit dimensions: length 24', width 27', depth 7'
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 175'
Direction from reference: 90 Degrees East North ☒
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

AO110 BLOW PIT

Date Remediation Started: _____ Date Completed: 9/29/94

Remediation Method: Excavation ☒ Approx. cubic yards 168
 (Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____

Other _____

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

General Description Of Remedial Action: _____

Excavation, MOSTLY BEDROCK

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents

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

Sample depth 6' (NORTH SIDEWALK)

Sample date 9/23/94 Sample time 1120

Sample Results

Benzene(ppm) 0.122

Total BTEX(ppm) 32.512

Field headspace(ppm) 557

TPH 2090 ppm

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

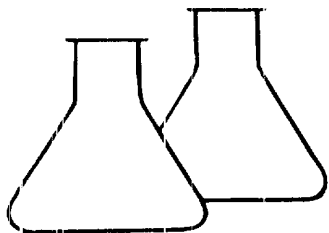
I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 9/29/94

SIGNATURE B. Shaw

PRINTED NAME AND TITLE

Buddy D. Shaw
ENVIRONMENTAL COORDINATOR



ENVIROTECH LABS

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

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

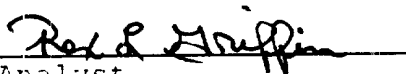
Client:	Amoco	Project #:	92140
Sample ID:	N @ 6'	Date Sampled:	09-26-94
Laboratory Number:	7925	Date Received:	09-26-94
Chain of Custody #	3933	Date Analyzed:	09-29-94
Sample Matrix:	Soil	Date Reported:	09-29-94
Preservative:	Cool	Analysis Needed:	TPH
Condition:	Cool and Intact		

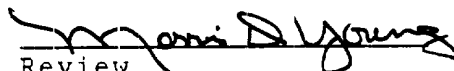
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	2090	10.0

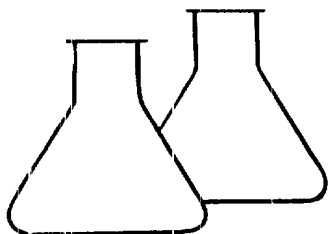
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Valencia Canyon Unit # 7 Blow Pit A0110
analysis performed with GAC TPH unit


Analyst


Review



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:	Amoco	Project #:	92140
Sample ID:	N @6'	Date Reported:	09-28-94
Laboratory Number:	7925BTEX.	Date Sampled:	09-26-94
Sample Matrix:	Soil	Date Received:	09-26-94
Preservative:	Cool	Date Extracted:	09-26-94
Condition:	Cool & Intact	Date Analyzed:	09-27-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	122	40.2
oluene	2530	80.5
ethylbenzene	3460	40.2
p,m-Xylene	14100	60.4
o-Xylene	12300	60

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	106 %
	Bromofluorobenzene	159 %

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

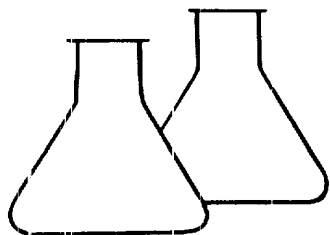
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Valencia Canyon Unit # 7 A0110
Excessive surrogate recovery due to coelution

Rex D. Griffin
Analyst

Mavis D. Young
Review



ENVIROTECH LABS

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

RAINWATER

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	VCU #7	Date Reported:	09-28-94
Laboratory Number:	7926BTEX.	Date Sampled:	09-26-94
Sample Matrix:	Water	Date Received:	09-26-94
Preservative:	HgCl and Cool	Date Analyzed:	09-27-94
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.4
Ethylbenzene	0	0.2
p,m-Xylene	ND	0.3
o-Xylene	ND	0.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	99 %
	Bromofluorobenzene	94 %

Method: Method 5030A, 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: Valencia Canyon Unit # 7 A0110

Rex L. Griffin
Analyst

Marianne D. Young
Review

CHAIN OF CUSTODY RECORD A0110

Client/Project Name		Project Location		ANALYSIS/PARAMETERS											
Sampler: (Signature)		Chain of Custody Tape No.		Lab Number		Sample Matrix		No. of Containers		BTEX		418.1		Remarks	
Sample No./ Identification	Sample Date	Sample Time	Lab Number	Sample Matrix											
Nº 6'	9/23/94	1120	7925	SOD					1	✓					Blow P.T
Pit Water	9/23/94	1125	7926	WATER					1	✓					Blow P.T
Relinquished by: (Signature)				Date	Time	Received by: (Signature)		Date		Time					
<i>Robert M. Young</i>				9/26/94	0757	<i>Robert M. Young</i>		9/26/94		9 ⁰⁰					
Relinquished by: (Signature)						Received by: (Signature)									
Relinquished by: (Signature)						Received by: (Signature)									

ENVIROTECH INC.

5796 U.S. Highway 64-3014

Farmington, New Mexico 87401

(505) 632-0615

CLIENT: AMOCOBLAGG ENGINEERING, INC.
P.O. BOX 87, BLOOMFIELD, NM 87413
(505) 332-1199LOCATION NO: A0110

C.O.C. NO: _____

FIELD REPORT: LANDFARM/COMPOST PILE CLOSURE VERIFICATION

LOCATION: NAME: VCU WELL #: 7 PITS: BLOW
QUAD/UNIT: E SEC: 36 TWP: 23N RNG: 4W PM: NM CNTY: RA ST: NM
GTR/FOOTAGE: _____ CONTRACTOR: _____DATE STARTED: 11-18-97
DATE FINISHED: _____ENVIRONMENTAL
SPECIALIST: JCS

SOIL REMEDIATION:

REMEDIATION SYSTEM: LANDFARMAPPROX. CUBIC YARDAGE: 168LAND USE: RAVINE

LIFT DEPTH (ft): _____

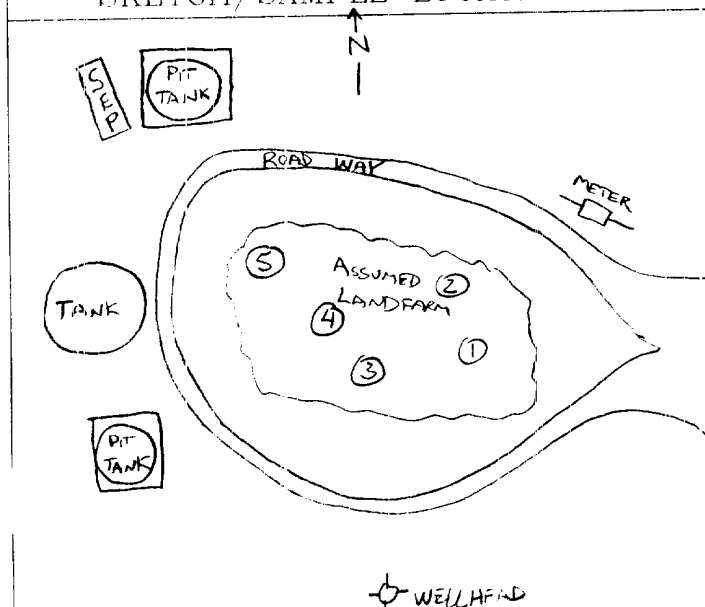
FIELD NOTES & REMARKS:

DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000NMOC RANKING SCORE: 0 NMOC TPH CLOSURE STD: 5000 PPM

FIELD 418.1 CALCULATIONS

SAMP. TIME	SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm
0940	LF-1	1943	5.0	20.0	4x	161	644

SKETCH/SAMPLE LOCATIONS



OVM RESULTS

SAMPLE ID	FIELD HEADSPACE PID (ppm)
LF-1	0.0

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME	RESULTS

SCALE

0  1 FT

TRAVEL NOTES:

CALLOUT: _____

ONSITE: _____

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1193 Fax: (505)632-3903

Field TPH-Worksheet

Max Characters:

Client:

AMOCO

Project #:

Sample ID:

Landfarm

Date Analyzed:

11-19-97

Project Location:

VCU # 7

Date Reported:

11-19-97

Laboratory Number:

TPH-1943

Sample Matrix:

Soil

Sample Weight: 5.00 grams
Volume Freon: 20.00 mL
Dilution Factor: 1 (unitless)
TPH Reading: 161 mg/kg

TPH Result: 644.0 mg/kg
Reported TPH Result: 640 mg/kg
Actual Detection Limit: 20.0 mg/kg
Reported Detection Limit: 20 mg/kg

QA/QC:

Original
TPH mg/kg

Duplicate
TPH mg/kg

%
Diff.

608

568

6.80

Comments:

*****Max Characters*****

Comments:

Landfarm Composite Sample

BLAGG ENGINEERING, INC.

P.O. Box 87, Bloomfield, New Mexico 87413

Phone: (505)632-1199 Fax: (505)632-3903

**FIELD MODIFIED EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS**

Client:	AMOCO	Project #:	
Sample ID:	Landfarm	Date Analyzed:	11-19-97
Project Location:	VCU # 7	Date Reported:	11-19-97
Laboratory Number:	TPH-1943	Sample Matrix:	Soil

Parameter	Result, mg/kg	Detection Limit, mg/kg
Total Recoverable Petroleum Hydrocarbons	640	20

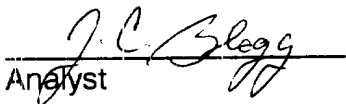
ND = Not Detectable at stated detection limits.

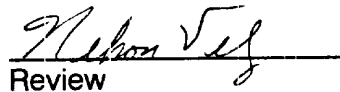
QA/QC:	QA/QC Sample TPH mg/kg	Duplicate TPH mg/kg	% *Diff.
	608	568	6.80

*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 Composite Sample


Analyst


Review