

3R - 361

REPORTS

DATE:

Aug. 1993

ENVIROTECH INC.

SITE RECLAMATION REPORT PETROLEUM HYDROCARBON RELEASE GAS COMPANY OF NEW MEXICO AZTEC P.C. DRIP LINE

RECEIVED

SEP 21 1993

OIL CONSERVATION DIV.
SANTA FE

**PREPARED FOR
THE GAS COMPANY OF NEW MEXICO**

**COMMISSIONED BY
MR. ERICK L. SEELINGER
PUBLIC SERVICE COMPANY OF NEW MEXICO**

AUGUST 1993

PROJECT NO: 93124

**SITE RECLAMATION REPORT
PETROLEUM HYDROCARBON RELEASE
GAS COMPANY OF NEW MEXICO
AZTEC P.C. DRIP LINE
(C) SEC 18 T28N R10W NMPM**

**PREPARED FOR
THE GAS COMPANY OF NEW MEXICO**

**COMMISSIONED BY
MR. ERICK L. SEELINGER
ENVIRONMENTAL ENGINEER
PUBLIC SERVICE COMPANY OF NEW MEXICO**

PROJECT NO: 93124

AUGUST 1993

**ENVIROTECH INC.
Environmental Scientists & Engineers
5796 U.S. Highway 64-3014
Farmington, New Mexico**

(505) 632-0615

**SITE RECLAMATION REPORT
PETROLEUM HYDROCARBON RELEASE
GAS COMPANY OF NEW MEXICO
AZTEC P.C. DRIP LINE
(C) SEC 18 T28N R10W NMPM**

PROJECT NO: 93124

TABLE OF CONTENTS

SECTION 1

INTRODUCTION.....	1
SCOPE OF SERVICES.....	1

SECTION 2

SITE DESCRIPTION AND HISTORY.....	2
PROJECT DEVELOPMENT.....	2
Initial Excavation.....	2
Final Excavation.....	2
Exploration Drilling.....	3
SVE System Installation.....	3
Site Surface Reclamation.....	3

SECTION 3

FIELD AND LABORATORY RESULTS.....	4
-----------------------------------	---

SECTION 4

LIMITATIONS AND CLOSURE.....	11
------------------------------	----

APPENDICES

APPENDIX A	VICINITY MAP INITIAL EXCAVATION FINAL EXCAVATION AND SAMPLE LOCATIONS TEST BORINGS, RESIDUAL CONTAMINATION, SVE LOCATIONS SVE DETAILS BORING LOGS
APPENDIX B	PHOTOGRAPHS
APPENDIX C	LABORATORY ANALYSES QA/QC AND CHAIN-OF-CUSTODIES
APPENDIX D	CORRESPONDENCE BILL OF LADINGS

AUGUST 6, 1993

PROJECT NO: 93124

**SITE RECLAMATION REPORT
PETROLEUM HYDROCARBON RELEASE
GAS COMPANY OF NEW MEXICO
AZTEC P.C. DRIP LINE
(C) SEC 18 T28N R10W NMPM**

INTRODUCTION

Envirotech, Inc. has been retained by the Gas Company of New Mexico (GCNM) to remediate a hydrocarbon spill incident referenced as the Aztec Picture Cliffs (P.C.) Drip Line. The subject site is located in Unit C, Section 18, T28N, R10W, NMPM, San Juan County, New Mexico (see Vicinity Map, Appendix A, Sheet A1). This report summarizes that remediation and provides all associated documentation.

SCOPE OF SERVICES

Site remediation followed the current New Mexico Oil Conservation Division's (NMOCD) regulations and guidelines⁽¹⁾. Services provided by Envirotech, Inc. over the course of the project included:

1. Project management and engineering design of reclamation systems.
2. Initial site reclamation by excavation of contaminated soils to a practical extent.
3. Transport of contaminated soils to the Envirotech Soil Remediation Facility located near Hilltop, New Mexico.
4. Monitor contaminated soil removal by the collection of soil samples for field testing and laboratory analysis.
5. Provide clean backfill material and backfill the excavation.
6. Provide exploration drilling services and field testing to determine full extent of the contaminant plume.
7. Install a soil vapor extraction system (SVE) to abate remaining residual soil contamination.
8. Contour and re-seed the site to approximate original conditions.
9. Provide a summary report documenting the reclamation implementation program.

SITE DESCRIPTION AND HISTORY

The spill incident is located in an arroyo next to a dirt road in Sullivan Canyon, approximately one mile east of the GCNM Kutz Canyon Station and approximately four miles southeast of the town of Bloomfield, New Mexico. The legal description of the site is Unit C, Section 18, T28N, R10W, NMPM.

In March of 1993 a spill incident was reported along an 8" product transmission line near a drip trap located adjacent to the subject arroyo. Subsequent to the spill, the GCNM retained Envirotech to abate hydrocarbon contaminated soils in the area of the spill.

PROJECT DEVELOPMENT

Initial Excavation:

On March 16, 1993, Envirotech was retained to assess and abate a reported spill incident associated with the drip line. Envirotech responded on March 17, 1993, made a preliminary assessment of the extent of the contamination, and initiated excavation of the hydrocarbon contaminated soils for remediation at the Envirotech Soil Remediation Facility. Per the request of GCNM officials, approximately 350 cubic yards of contaminated soil immediately surrounding the spill was removed. A diagram of the initial excavation is included in Appendix A, Sheet A2.

At that time, continued abatement of the contaminated soils was postponed pending obtaining of a permit from the landowner, the Bureau of Land Management, to excavate soils outside of the established pipeline right-of-way. Findings of the initial excavation were reported on March 22, 1993 in a report to the GCNM entitled "Current Findings of Spill Investigation, Aztec Picture Cliffs Drip Line."

Final Excavation:

After the proper land use permit was obtained from the Bureau of Land Management, excavation of the contaminated soils was again commenced on May 25, 1993. Excavation continued under the continuous direction of GCNM personnel through June 3, 1993. The abatement effort was monitored by field screening and/or laboratory testing of soils, sampling for volatile hydrocarbons and total recoverable petroleum hydrocarbons (TPH).

Due to the unforeseen extent of contamination, the abatement effort was halted on June 3, 1993 to reevaluate the situation. A total of approximately 6080 cubic yards of contaminated soils were excavated from the site. Bill of Ladings for all contaminated soils removed are found in Appendix D. Final sample collection was completed on June 4, 1993. A diagram of the final excavation and the location of sampling points is found in Appendix A, Sheet A3.

Exploration Drilling:

On June 15, 1993, Envirotech was retained by the GCNM to provide exploration drilling services for one day to attempt to define a southern boundary of the remaining contaminant plume. A Model CME-55 mobile drill rig utilizing 8" hollow stem auger was used to drill the exploratory holes. Cuttings and split-tube soil samples were screened for volatile hydrocarbons using the Headspace Field Method (NMOCD Unlined Surface Impoundment Closure Guidelines, February 1993, Section III. B. 1.). A report was submitted to the GCNM on June 16, 1993 with the results of the exploratory drilling. The location of the test borings and the estimated extent of the remaining contaminant plume are found on a diagram in Appendix A, Sheet A4. The boring logs are also found in Appendix A.

The contaminant plume was found to extend beneath the 8" product line and to the south well beneath the road, making additional excavation impractical.

SVE System Installation:

On July 19, 1993, Envirotech, Inc., on behalf of GCNM, submitted a proposal to install a passive soil vapor extraction (SVE) system for reclamation of remaining contaminated soils at the reference site. The proposal was submitted to the NMOCD, and approval for installation received from the NMOCD on July 27, 1993. A copy of the approval letter is included in Appendix D.

Backfilling of the excavation and construction of the SVE system began on July 29, 1993 and completed August 6, 1993. At GCNM direction, no additional excavation or soil removal was executed to install the SVE system. The actual system was installed fitting the final excavation contours and boundaries. Details of the system are described in Appendix A, Sheet A5. Photographs of the installation are found in Appendix B.

Site Surface Reclamation:

Following installation of the SVE system, the entire site was contoured to approximate original ground surface features and re-seeded with a seed mixture recommended by the Bureau of Land Management as appropriate for the area.

FIELD AND LABORATORY RESULTS

Contaminated soils were field screened by use of the Headspace Field Method using a photoionization detector (PID) Model 580-B Organic Vapor Meter (OVM) manufactured by Thermo Environmental Instruments Inc. Laboratory samples were analyzed for Aromatic Volatile Organics, USEPA Method 8020, SW-846, and Total Recoverable Petroleum Hydrocarbons (TPH), USEPA Method 418.1. The results of field sampling are presented in Table 1, and laboratory confirmation soil sampling results are summarized in Table 2. Laboratory analytical data sheets and QA/QC are presented in Appendix C. Field sampling results from exploration borings are summarized in Table 3.

The New Mexico Oil Conservation Division⁽¹⁾ has established the following guidelines for cleanup standards at this site:

Total Petroleum Hydrocarbons (TPH)	100 ppm
Benzene *	10 ppm
BTEX *	50 ppm

* A field soil vapor headspace measurement of 100 ppm may be substituted for a laboratory analysis of the Benzene and BTEX concentration limits.

Table 1
 FIELD OVM READINGS - EXCAVATION
 MAY 25 - JUNE 4, 1993
 SITE RECLAMATION REPORT
 PETROLEUM HYDROCARBON RELEASE
 GAS COMPANY OF NEW MEXICO
 AZTEC P.C. DRIP LINE
 (C) SEC 18 T28N R10W NMPM

SAMPLE #	LOCATION	FIELD OVM RESULTS (PPM)
1 *	B @ 11'	753
2 *	B @ 16'	645
3 *	B @ 11'	639
4 *	B @ 18'	370
5	B @ 4'	3.4
6 *	B @ 5'	338
7 *	B @ 12'	527
8 *	B @ 15'	636
9	B @ 12'	12
10 *	B @ 10'	590
11	B @ 9'	2.7
12	B @ 8'	4.8
13 *	B @ 17'	457
14 *	B @ 6'	597
15	B @ 8'	12.2
16 *	B @ 8'	762
17	B @ 12'	20.5
18 *	NS @ 8'	232
19 *	NS @ 9'	161
20 *	WS @ 6'	624
21	NWB @ 12'	33.5
22 *	NWB @ 10'	579
23	NWB @ 12'	10.4
24 *	NWB @ 5'	426

Table 1 cont.
 FIELD OVM READINGS - EXCAVATION
 MAY 25 - JUNE 4, 1993
 SITE RECLAMATION REPORT
 PETROLEUM HYDROCARBON RELEASE
 GAS COMPANY OF NEW MEXICO
 AZTEC P.C. DRIP LINE
 (C) SEC 18 T28N R10W NMPM

SAMPLE #	LOCATION	FIELD OVM RESULTS (PPM)
25	WNS @ 7'	47.4
26	NWS @ 7'	42
27	SS @ 5'	1.9
28 *	WS @ 5'	2300
29	B @ 7'	20.7
30	B @ 10'	50
31	B @ 8'	18.8
32	WS @ 5'	45
33	SS @ 5'	2.3
34 *	B @ 9'	460
35	B @ 12'	22.3
36	WSUP @ 5'	3
37	SWS @ 8'	8
38	SCS @ 8'	12.7
39	SES @ 8'	5
40	SCS @ 4'	80.5
41 *	WS @ 17'	627
42 *	WS @ 6'	620
43	WSS @ 6'	61.9
44 *	WSS @ 12'	132
45	SB @ 15'	39.5
46 *	ENS @ 4'	283
47	ENS @ 10'	8.3
48	WSS @ 3'	4.4

Table 1 cont.
 FIELD OVM READINGS - EXCAVATION
 MAY 25 - JUNE 4, 1993
 SITE RECLAMATION REPORT
 PETROLEUM HYDROCARBON RELEASE
 GAS COMPANY OF NEW MEXICO
 AZTEC P.C. DRIP LINE
 (C) SEC 18 T28N R10W NMPM

SAMPLE #	LOCATION	FIELD OVM RESULTS (PPM)
49	SWS @ 6'	333
50	SWS @ 14'	346
51 *	NEC @ 6'	114
52 *	NEC @ 11'	144
53	NS @ 8'	90.5
54 *	NEB @ 12'	209
55 *	NEC @ 6'	618
56 *	NEC @ 6'	263
57	NEB @ 15'	5.9
58	ENS @ 9'	16.1
59 *	ES @ 12'	549
60	EB @ 15'	49
61	ES @ 8'	5
62 *	ES @ 12'	125
63	ES @ 8'	37.8
64 *	NEC @ 6'	182
65 *	EB @ 18'	616
66 *	ES @ 12'	851
67	ES @ 5'	42
68	EB @ 20'	43.8
69	ES @ 14'	730
70	ES @ 4'	55.9
71	EB @ 21'	342
72	ES @ 14'	384

Table 1 cont.
 FIELD OVM READINGS - EXCAVATION
 MAY 25 - JUNE 4, 1993
 SITE RECLAMATION REPORT
 PETROLEUM HYDROCARBON RELEASE
 GAS COMPANY OF NEW MEXICO
 AZTEC P.C. DRIP LINE
 (C) SEC 18 T28N R10W NMPM

SAMPLE #	LOCATION	FIELD OVM RESULTS (PPM)
73	ESS @ 8'	60
74	ESB @ 12'	512
75	ES @ 14'	650
76	NEC @ 7'	-
77	SB @ 21'	136
78	SB @ 18'	24
79	SS @ 12'	39
80	ESS @ 15'	371
81	ES @ 16'	518
82	WSS @ 6'	0
83	WSS @ 12'	3.6
84	SWC @ 18'	455
85	SS @ 19'	15
86	SS @ 10'	25
87	SB @ 21'	235
88	ESS @ 18'	203
89	ES @ 13'	700
90	ENS @ 10'	3.6

Table 1 Notes:

* = sample location subsequently removed by additional excavation
 PPM = parts per million equivalent to mg/kg.
 B = bottom
 EB = east bottom
 ESS = east south side
 ENS = east north side
 NWB = northwest bottom
 NEC = northeast corner
 SS = south side
 SWS = southwest side
 SES = southeast side
 WS = west side
 WSS = west south side
 ES = east side
 ENS = east north side
 ESB = east south bottom
 NS = north side
 NWS = north west side
 NEB = northeast bottom
 SB = south bottom
 SCS = south central side
 SWC = southwest corner
 WNS = west north side

Table 2
 LABORATORY RESULTS - EXCAVATION
 MAY 25 - JUNE 4, 1993
 SITE RECLAMATION REPORT
 PETROLEUM HYDROCARBON RELEASE
 GAS COMPANY OF NEW MEXICO
 AZTEC P.C. DRIP LINE
 (C) SEC 18 T28N R10W NMPM

SAMPLE #	BENZENE	TOLUENE	ETHYL-BEN	XYLENES	TPH
	EPA METHOD 8020 (ppb)				(ppm)
11					13.1
21					16.0
32					13.1
40					11.2
53					23.8
60					13.1
64					14.6
71					37.8
72	1,430	20,600	4,670	34,700	1,620
73					ND
76	ND	153	25.1	275	10.8
77	20	64	32.2	131.5	17.0
78					5.2
79					24.9
82					ND
83					7.4
86					7.0
87	ND	64	28.6	259	129
88	ND	83	ND	129.2	67
90					ND

Notes: ppm = parts per million equivalent to mg/Kg
 ppb = parts per billion equivalent to ug/Kg
 ETHYL-BEN = Ethyl-benzene
 TPH = Total Petroleum Hydrocarbons per EPA Method 418.1
 ND = Not Detected

Table 3
 TEST BORING RESULTS
 FIELD OVM READINGS (PPM)
 JUNE 15, 1993
 SITE RECLAMATION REPORT
 PETROLEUM HYDROCARBON RELEASE
 GAS COMPANY OF NEW MEXICO
 AZTEC P.C. DRIP LINE
 (C) SEC 18 T28N R10W NMPM

BORING	SAMPLE LOCATION BELOW GROUND SURFACE						
#	5'	7.5'	10'	13.5'	15'	18.5'	20'
1	761		765		477		392
2	720						
3	164		40.2		32.6	67	
4	13.9		18.3		3	0	
5	10.1		397	453			
6		10.1		49	14		
7		5.2		19.4			

LIMITATIONS AND CLOSURE

This report documents visual observation of the site, subsurface conditions encountered during the abatement operations and assessment, and analysis of soil samples collected during and after the site reclamation. This report does not reflect subsurface variations which may exist between sampling points.

Due to the extent of contamination and unknown quantity of contaminate, non-homogeneity and tight nature of the subsurface soils, and untested efficiency of the passive SVE system, the length of time to complete the abatement of the remaining soil contamination cannot be accurately estimated.

The scope of our services was limited to the performance of site reclamation consisting of the excavation of the majority of contaminated soils and the installation of a soil vapor extraction system. All work has been performed in accordance with generally accepted professional practices in geotechnical/environmental engineering and hydrogeology.

This report has been prepared for the exclusive use of the Gas Company of New Mexico as it pertains to the spill site located at Unit C, Section 18, T28N, R10W, NMPM, San Juan County, New Mexico.

I hereby certify that the work performed by Envirotech and described in this report was performed under my supervision, and that I am personally familiar with the nature of the work, the results of the reclamation, and the contents of this report.

Respectfully submitted,
ENVIROTECH, INC.

Robert E. O'Neill

Robert E. O'Neill
Environmental Engineer

Reviewed by:

Michael K. Lane

Michael K. Lane, P.E.
Geological Engineer

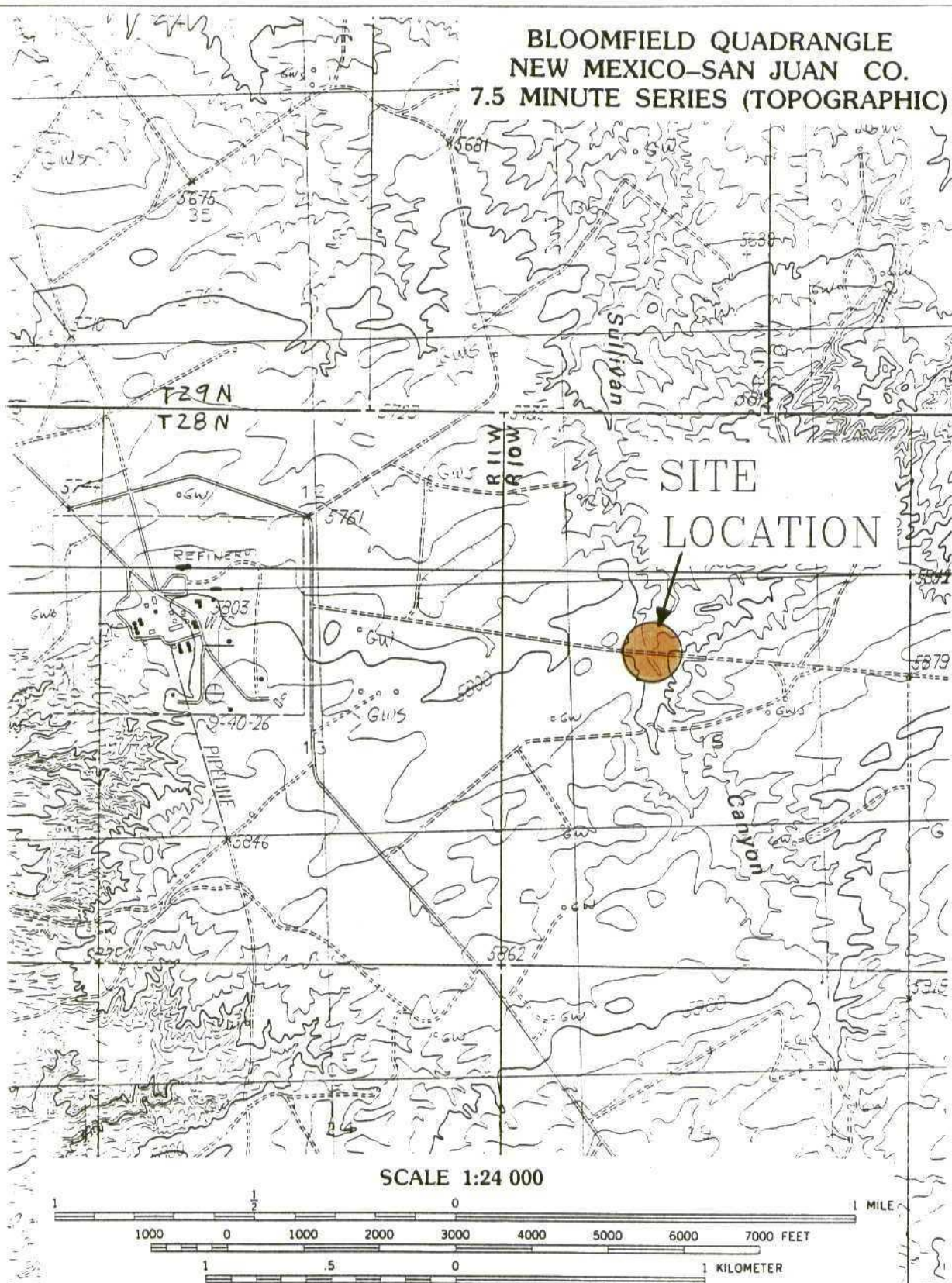
Appendices

REO/reo

93124.RPT

References: ⁽¹⁾ "Unlined Surface Impoundment Closure Guidelines,"
NMOCD, February 1993.

BLOOMFIELD QUADRANGLE
NEW MEXICO-SAN JUAN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



DRWG. 93124-1

GAS COMPANY
OF NEW MEXICO
AZTEC P.C. DRIP LINE
(C) SEC 18 T28N R10W NMPM

PROJECT NO. 93124

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

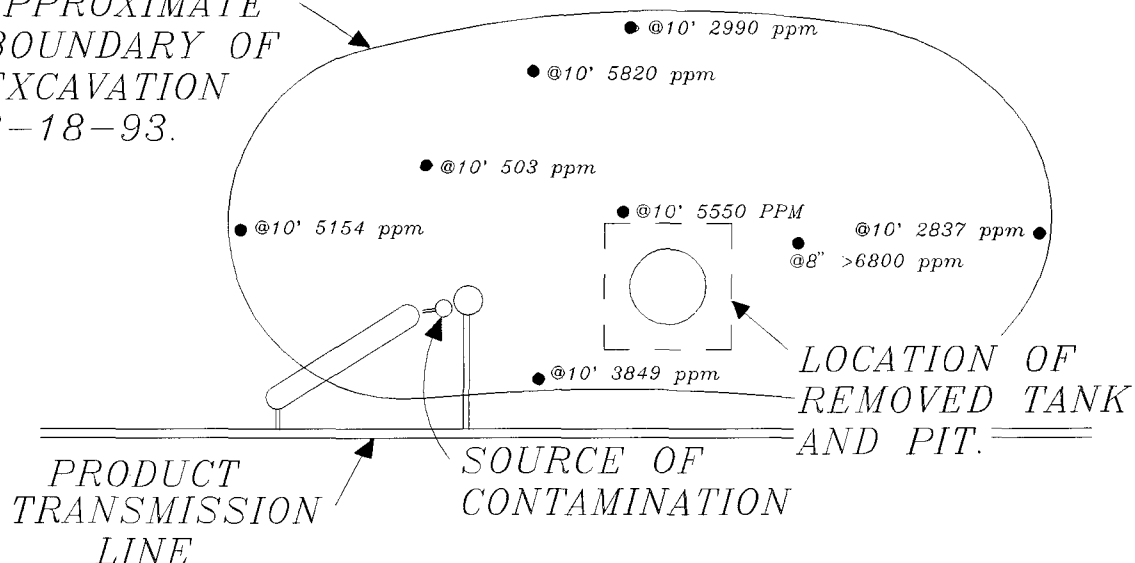
VICINITY
MAP

SHEET: 41	DRWN: JULY 93 REV:
DRWN BY: REO REV BY:	PRJ MGR: REO



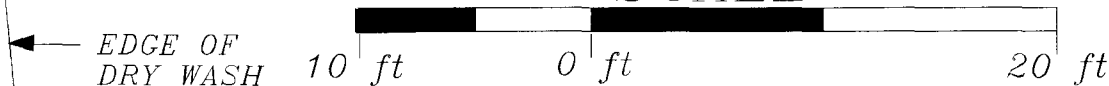
SAMPLES TAKEN AT RECORDED
DEPTHS AND FIELD SCREENED
WITH CALIBRATED ORGANIC
VAPOR METER (HEADSPACE
METHOD). ALL DIRECTIONS
AND DISTANCES DETERMINED
BY HAND COMPASS AND PACING.

APPROXIMATE
BOUNDARY OF
EXCAVATION
3-18-93.



DIRT ROADWAY

SCALE



DRWING No: 93124-2

GAS COMPANY
OF NEW MEXICO
AZTEC P.C. DRIP LINE
(C) SEC 18 T28N R10W

PROJECT NO: 93124

ENVIROTECH INC.
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

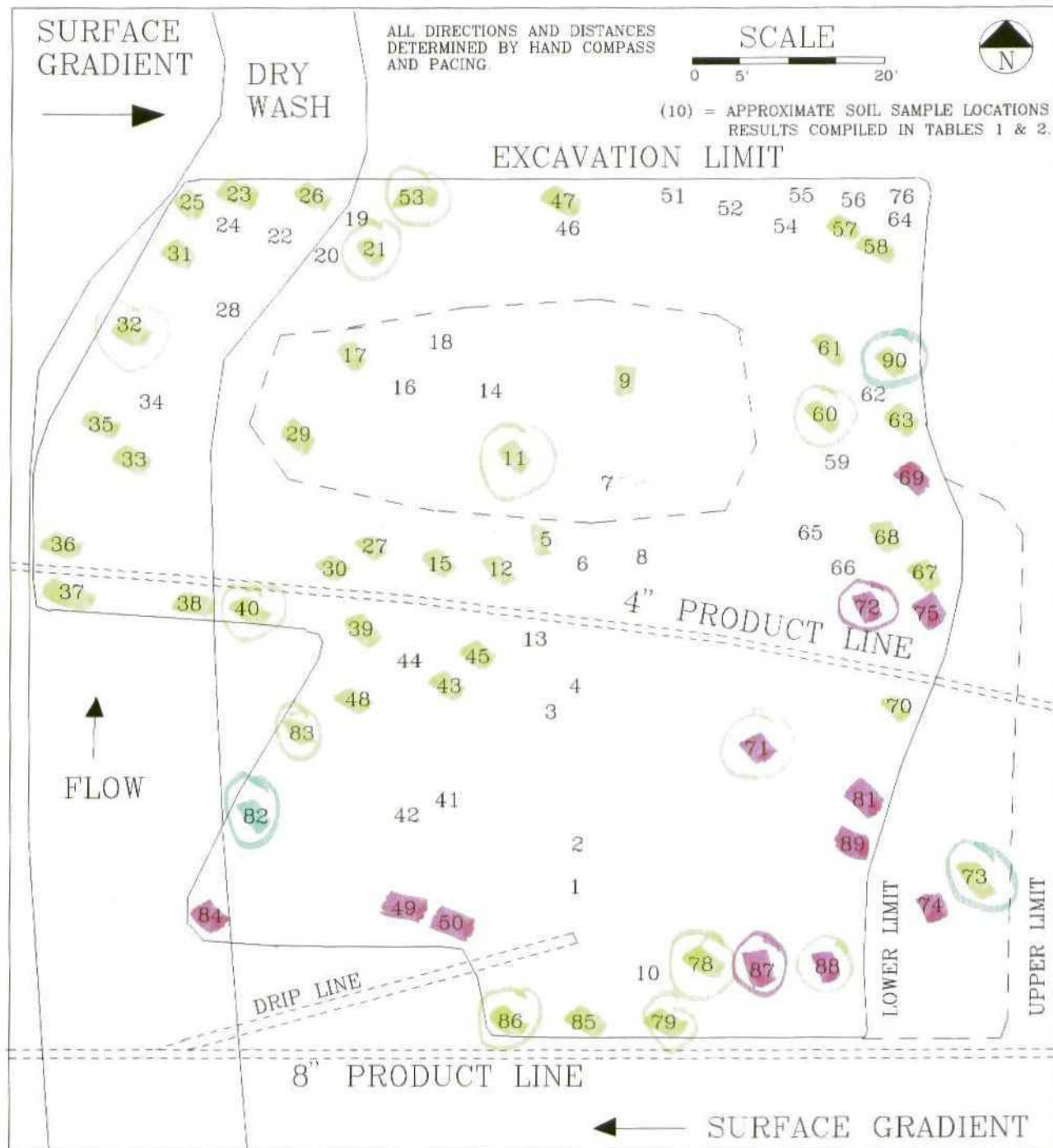
INITIAL
EXCAVATION

SHEET A2

DRWN BY: RMY
REV BY: REO

DRWN : 3/93
REVISED: 7/93

PROJECT MANAGER
REO



● OUM < 100

● 0 < OUM < 100

● OUM = ND

○ TPH < 100

○ 0 < TPH < 100

○ TPH = ND

DIRT ROADWAY

DRWG: 93124-3

GAS COMPANY
OF NEW MEXICO
AZTEC P.C. DRIP LINE
(C) SEC 18 T28N R10W NMPM

PROJECT NO. 93124

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

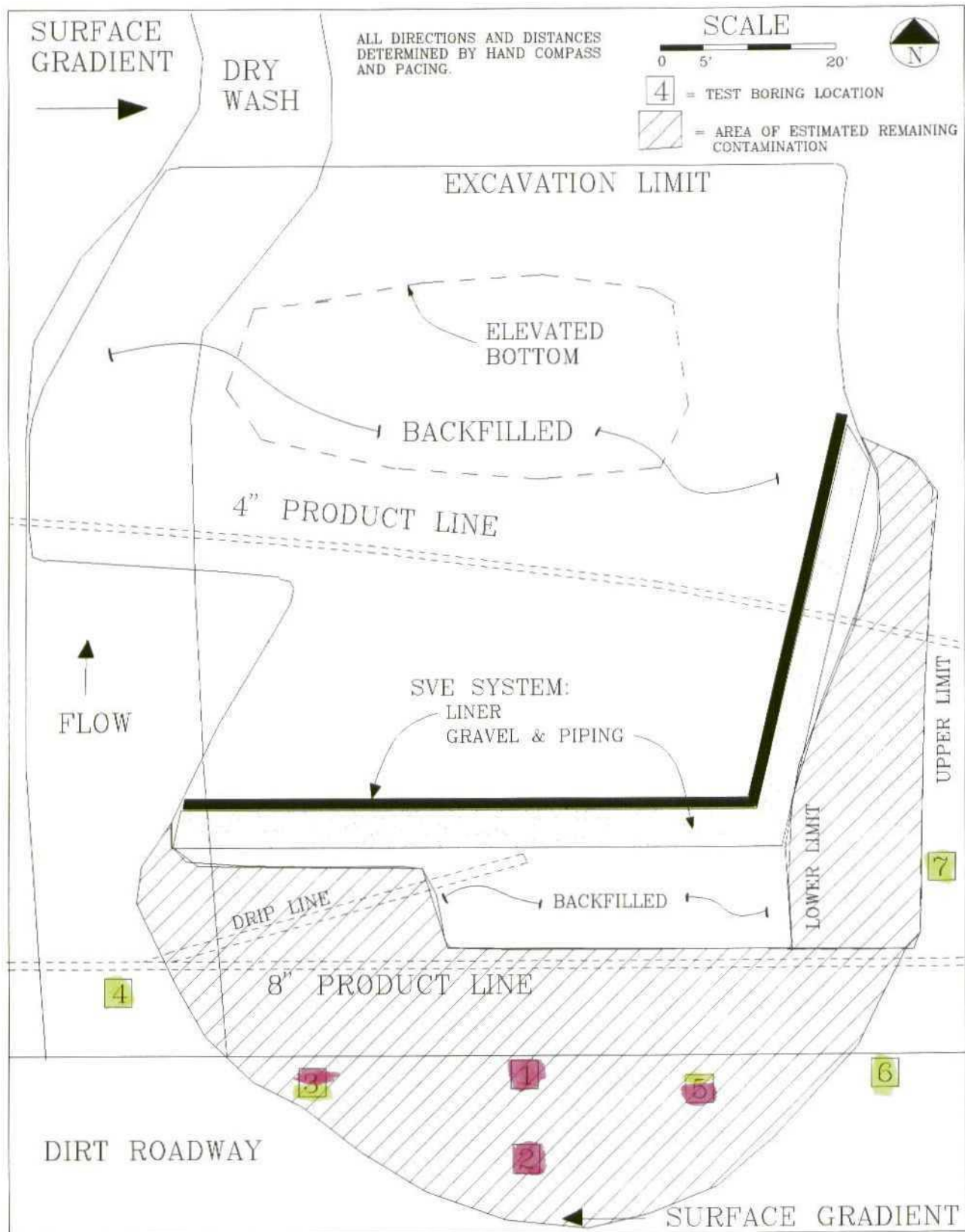
FINAL EXCAVATION
SAMPLE LOCATIONS

SHEET: A3

DRWN: JULY 93
REV:

DRWN BY: REO
REV BY:

PRJ MGR: REO



DRWG: 93124-4

GAS COMPANY
OF NEW MEXICO
AZTEC P.C. DRIP LINE
(C) SEC 18 T28N R10W NMPM

PROJECT NO. 93124

ENVIROTECH INC.

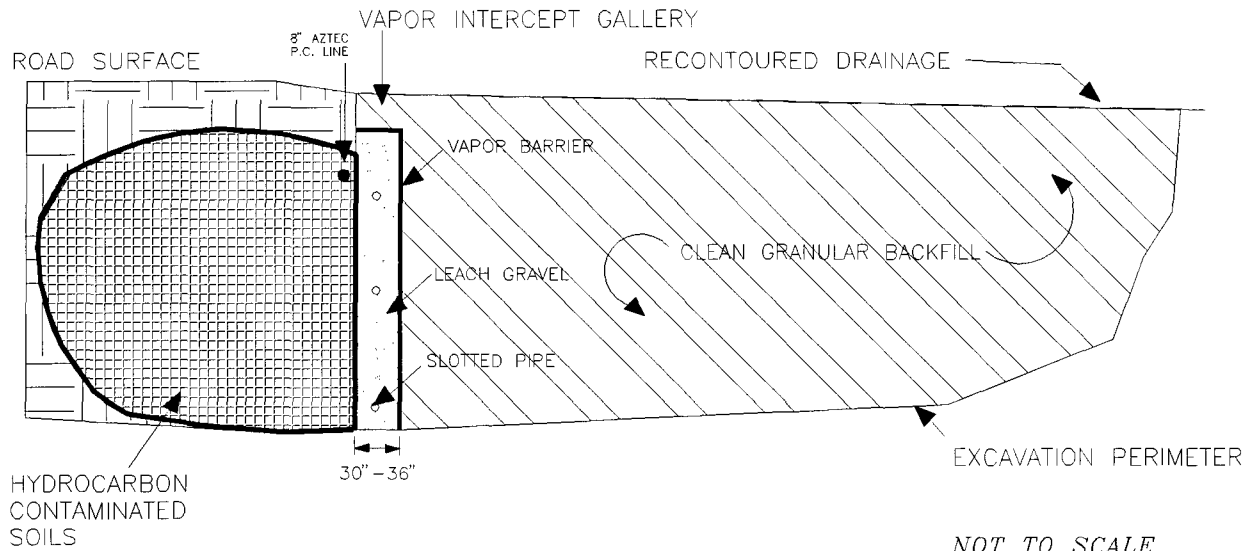
ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

TEST BORING LOCATIONS
RESIDUAL CONTAMINATION
SVE SYSTEM LOCATION

SHEET: A4	DRWN: JULY 93 REV: AUG 93
DRWN BY: REO REV BY: REO	PRJ MGR: REO

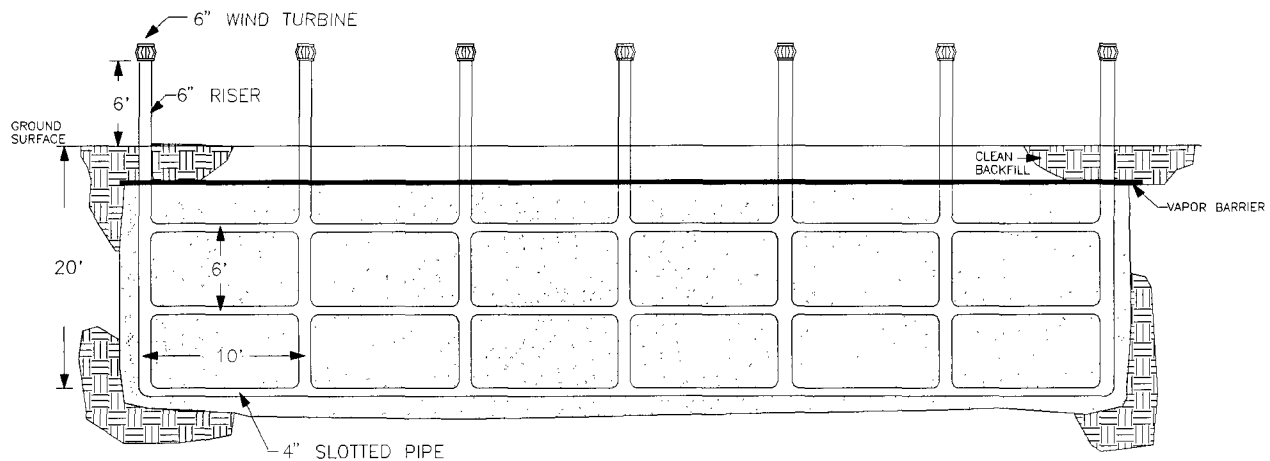
WEST ELEVATION

(AT APPROXIMATE CENTER)



NOT TO SCALE

NORTH-WEST ELEVATION



GENERAL SPECIFICATIONS

ITEM	DETAIL
BACKFILL	CLEAN SILTY SAND TO POORLY GRADED SAND [15-20% PASSING 200 MESH]
INTERCEPT GALLERY	
LEACH GRAVEL	CLEAN POORLY GRADED <3" GRAVEL [<20% PASSING No. 4 MESH]
4" LATERALS	160 psi (min) PVC or EQVLT. [6' ON CENTER, 1/8" SLOTTED @ 3'/ft]
6" RISERS	160 psi (min) PVC or EQUIVALENT [10' ON CENTER]
TURBINE	EXTERNALLY BRACED TURBINE VENTILATORS [147 CFM @ 4mi WIND]
BARRIER	12 mil (min) PVC LINER OR EQUIVALENT [MINIMUM OVERLAP: 1 ft]

PROPOSED SOIL VAPOR EXTRACTION SYSTEM
PUBLIC SERVICE COMPANY OF NEW MEXICO
AZTEC P.C. DRIP LINE SPILL INCIDENT
(C) SEC 28, T28N, R10W, NMPM

PROJECT NO: 93124

JULY 1993

ENVIROTECH INC.

ENVIRONMENTAL SCIENTISTS & ENGINEERS
5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

SVE
DETAILS

SHEET A5

DRWN: MKL
REVISED: REO
FILE: 93124-5
DATE: 7-15-93
REVISED: 8-4-93

ENVIROTECH Inc.

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

BORE/TEST HOLE REPORT

BORING No: 1
JOB No: 93124
PAGE No: 1
LOCATION: SEE NOTES
DATE START: 6-15-93
DATE FINISH: 6-15-93
OPERATOR: MD
PREPARED BY: REO

PROJECT: AZTEC P.C. DRIPLINE
CLIENT: GAS COMPANY OF NEW MEXICO
CONTRACTOR: ENVIROTECH INC.
EQUIPMENT USED: CME 55 ROTARY DRILL WITH 8" HOLLOW STEM AUGER
SPLIT-TUBE SAMPLER

DEPTH FEET	USCS	OVM PPM	SAMPLE TYPE	BLOW/ FOOT	FIELD CLASSIFICATION AND REMARKS
					GROUND SURFACE
	SP				MODERATE BROWN, FINE SAND, NON-COHESIVE, MOIST, FIRM, NO ODOR.
5	CL	761	CTG.	NA	GRAY/BROWN, SANDY CLAY, SLIGHTLY PLASTIC, MOIST, STIFF, MILD HYDROCARBON ODOR.
10		765	CTG.	NA	
	ML				LIGHT BROWN, SILTY SAND, COHESIVE, MOIST, STIFF, ODOR.
15	SC	477	CTG.	NA	GRAY/BROWN, SANDY CLAY, SLIGHTLY PLASTIC, MOIST, STIFF, ODOR.
	SC				MEDIUM BROWN, CLAYEY SAND, SLIGHTLY PLASTIC, MOIST, STIFF, ODOR.
					ORANGE/YELLOW, SAA.
					GRAY/BROWN, SAA.
20	SC	392	CTG.	NA	GRAY/BROWN, CLAYEY SILTY SAND, MOIST, HARD.
					TOTAL DEPTH: 20.0 FEET
					COMPLETION: BACKFILLED BORINGS WITH CUTTINGS.
25					NOTES: SAA - SAME SOIL TYPE AS DESCRIBED ABOVE, EXCEPT AS NOTED. CUT'G - GRAB SOIL SAMPLE. ND - NONE DETECTED. OVM - SOIL SAMPLE COLLECTED DURING EXPLORATION, ANALYZED FOR HYDROCARBON VAPORS PER NMED HEADSPACE FIELD METHOD USING THERMO ENVIRONMENTAL INSTRUMENTS MODEL 580-B ORGANIC VAPOR METER (PID). BORING LOCATION AS NOTED ON TEST BORING DIAGRAM (SHEET A4).
30					

DRAWING: 93124-T1
DATE: 7-29-93
DWN BY: REO

ENVIROTECH Inc.

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

BORE/TEST HOLE REPORT

BORING No: 2

JOB No: 93124

PAGE No: 1

LOCATION: SEE NOTES

DATE START: 6-15-93

DATE FINISH: 6-15-93

OPERATOR: MD

PREPARED BY: REO

PROJECT: AZTEC P.C. DRIPLINE

CLIENT: GAS COMPANY OF NEW MEXICO

CONTRACTOR: ENVIROTECH INC.

EQUIPMENT USED: CME 55 ROTARY DRILL WITH 8" HOLLOW STEM AUGER
SPLIT-TUBE SAMPLER

DEPTH FEET	SCS	OVM PPM	SAMPLE TYPE	BLOW/ FOOT	FIELD CLASSIFICATION AND REMARKS
					☐ GROUND SURFACE
	SP				MODERATE BROWN, FINE SAND, NON-COHESIVE, MOIST, FIRM, NO ODOR.
5	SC	720	CTG.	NA	GRAY/BROWN, CLAYEY SAND, SLIGHTLY PLASTIC, MOIST, STIFF, HYDROCARBON ODOR.
10					
15					
20					
25					
30					

TOTAL DEPTH: 5.0 FEET

COMPLETION: BACKFILLED BORINGS WITH CUTTINGS.

NOTES: SAA - SAME SOIL TYPE AS DESCRIBED ABOVE, EXCEPT AS NOTED.
CUT'G - GRAB SOIL SAMPLE.
ND - NONE DETECTED.
OVM - SOIL SAMPLE COLLECTED DURING EXPLORATION, ANALYZED FOR HYDROCARBON VAPORS PER NMED HEADSPACE FIELD METHOD USING THERMO ENVIRONMENTAL INSTRUMENTS MODEL 580-B ORGANIC VAPOR METER (PID).
BORING LOCATION AS NOTED ON TEST BORING DIAGRAM (SHEET A4).

DRAWING: 93124-T2
DATE: 7-29-93
DWN BY: REO

ENVIROTECH Inc.

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

BORE/TEST HOLE REPORT

PROJECT: AZTEC P.C. DRIPLINE
CLIENT: GAS COMPANY OF NEW MEXICO
CONTRACTOR: ENVIROTECH INC.
EQUIPMENT USED: CME 55 ROTARY DRILL WITH 8" HOLLOW STEM AUGER
SPLIT-TUBE SAMPLER

BORING No: 3
JOB No: 93124
PAGE No: 1
LOCATION: SEE NOTES
DATE START: 6-15-93
DATE FINISH: 6-15-93
OPERATOR: MD
PREPARED BY: REO

DEPTH FEET	LOG	OVM PPM	SAMPLE TYPE	BLOW/ FOOT	FIELD CLASSIFICATION AND REMARKS
					GROUND SURFACE
5	SP				MODERATE BROWN, FINE SAND, NON-COHESIVE, MOIST, FIRM, NO ODOR.
	SC	164	CTG.	NA	GRAY/BROWN, CLAYEY SAND, SLIGHTLY PLASTIC, MOIST, STIFF, NO ODOR.
10	SC	40.2	CTG.	NA	LIGHT BROWN/YELLOW, SAA.
	SC				BLUE/GRAY LENSES IN BROWN, SAA
15	SC	32.6	CTG.	NA	MODERATE BROWN, SAA.
	SC				GOLD/BROWN, SAA.
20	SC	67	CTG.	NA	BLACK, CLAYEY SAND, SLIGHTLY PLASTIC, MOIST, HARD, NO ODOR, COAL.
25					TOTAL DEPTH: 18.5 FEET COMPLETION: BACKFILLED BORINGS WITH CUTTINGS.
30					NOTES: SAA - SAME SOIL TYPE AS DESCRIBED ABOVE, EXCEPT AS NOTED. CUT'G - GRAB SOIL SAMPLE. ND - NONE DETECTED. OVM - SOIL SAMPLE COLLECTED DURING EXPLORATION, ANALYZED FOR HYDROCARBON VAPORS PER NMED HEADSPACE FIELD METHOD USING THERMO ENVIRONMENTAL INSTRUMENTS MODEL 580-B ORGANIC VAPOR METER (PID). BORING LOCATION AS NOTED ON TEST BORING DIAGRAM (SHEET A4).

DRAWING: 93124-T3
DATE: 8-02-93
DWN BY: REO

ENVIROTECH Inc.

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

BORE/TEST HOLE REPORT

BORING No: 4
JOB No: 93124
PAGE No: 1
LOCATION: SEE NOTES
DATE START: 6-15-93
DATE FINISH: 6-15-93
OPERATOR: MD
PREPARED BY: REO

PROJECT: AZTEC P.C. DRIPLINE
CLIENT: GAS COMPANY OF NEW MEXICO
CONTRACTOR: ENVIROTECH INC.
EQUIPMENT USED: CME 55 ROTARY DRILL WITH 8" HOLLOW STEM AUGER
SPLIT-TUBE SAMPLER

DEPTH FEET	USCS	OVM PPM	SAMPLE TYPE	BLOW /FOOT	FIELD CLASSIFICATION AND REMARKS
					GROUND SURFACE
	SP				MODERATE BROWN, FINE SAND, NON-COHESIVE, MOIST, FIRM, NO ODOR.
	SC				GRAY/BROWN, CLAYEY SAND, SLIGHTLY PLASTIC, MOIST, STIFF, NO ODOR.
5	SC	13.9	CTG.	NA	LIGHT BROWN, SAA.
10	SC	18.3	CTG.	NA	
15	SC	3	CTG.	NA	MODERATE BROWN, MOIST TO WET, SAA.
	SC				LIGHT BROWN, SAA.
		0	CTG.	NA	
20					
25					
30					

TOTAL DEPTH: 18.5 FEET

COMPLETION: BACKFILLED BORINGS WITH CUTTINGS.

NOTES: SAA - SAME SOIL TYPE AS DESCRIBED ABOVE, EXCEPT AS NOTED.
CTG - GRAB SOIL SAMPLE.
ND - NONE DETECTED.
OVM - SOIL SAMPLE COLLECTED DURING EXPLORATION, ANALYZED FOR HYDROCARBON VAPORS PER NMED HEADSPACE FIELD METHOD USING THERMO ENVIRONMENTAL INSTRUMENTS MODEL 580-B ORGANIC VAPOR METER (PID).
BORING LOCATION AS NOTED ON TEST BORING DIAGRAM (SHEET A4).

DRAWING: 93124-T4
DATE: 8-02-93
OWN BY: REO

ENVIROTECH Inc.

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

BORE/TEST HOLE REPORT

BORING No: 5
JOB No: 93124
PAGE No: 1
LOCATION: SEE NOTES
DATE START: 6-15-93
DATE FINISH: 6-15-93
OPERATOR: MD
PREPARED BY: REO

PROJECT: AZTEC P.C. DRIPLINE
CLIENT: GAS COMPANY OF NEW MEXICO
CONTRACTOR: ENVIROTECH INC.
EQUIPMENT USED: CME 55 ROTARY DRILL WITH 8" HOLLOW STEM AUGER
SPLIT-TUBE SAMPLER

DEPTH FEET	SOIL	OVM PPM	SAMPLE TYPE	BLOW/ FOOT	FIELD CLASSIFICATION AND REMARKS
					GROUND SURFACE
	SP				MODERATE BROWN, POORLY GRADED FINE SAND, NON-COHESIVE, MOIST, FIRM, NO ODOR.
5	SC	101	CTG.	NA	DUSKY YELLOW, CLAYEY SAND, SLIGHTLY PLASTIC, MOIST, STIFF, NO ODOR.
	SC				LIGHT BROWN, SAA.
10	SC	397	CTG.	NA	DEFINITE HYDROCARBON ODOR, SAA.
	SC	453	CTG.	NA	HARD WITH BLUE/GRAY LENSES, SAA.
15					
20					
25					
30					

TOTAL DEPTH: 13.5 FEET

COMPLETION: BACKFILLED BORINGS WITH CUTTINGS.

NOTES: SAA - SAME SOIL TYPE AS DESCRIBED ABOVE, EXCEPT AS NOTED.
CUT/G - GRAB SOIL SAMPLE.
ND - NONE DETECTED.
OVM - SOIL SAMPLE COLLECTED DURING EXPLORATION, ANALYZED FOR HYDROCARBON VAPORS PER NMED HEADSPACE FIELD METHOD USING THERMO ENVIRONMENTAL INSTRUMENTS MODEL 580-B ORGANIC VAPOR METER (PID).
BORING LOCATION AS NOTED ON TEST BORING DIAGRAM (SHEET A4).

DRAWING: 93124-T5
DATE: 8-02-93
DWN BY: REO

ENVIROTECH Inc.

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

BORE/TEST HOLE REPORT

BORING No: 6
JOB No: 93124
PAGE No: 1
LOCATION: SEE NOTES
DATE START: 6-15-93
DATE FINISH: 6-15-93
OPERATOR: MD
PREPARED BY: REO

PROJECT: AZTEC P.C. DRIPLINE
CLIENT: GAS COMPANY OF NEW MEXICO
CONTRACTOR: ENVIROTECH INC.
EQUIPMENT USED: CME 55 ROTARY DRILL WITH 8" HOLLOW STEM AUGER
SPLIT-TUBE SAMPLER

DEPTH FEET	USC	OVM PPM	SAMPLE TYPE	BLOW/ FOOT	FIELD CLASSIFICATION AND REMARKS
					☐ GROUND SURFACE
5	SP				MODERATE BROWN, FINE SAND, NON-COHESIVE, MOIST, DENSE. NO ODOR.
10	SC	10.1	CTG.	NA	LIGHT TO MODERATE BROWN, CLAYEY SAND, SLIGHTLY PLASTIC, MOIST, STIFF, NO ODOR.
	CL				LIGHT BROWN, SILTY CLAY, SLIGHTLY PLASTIC, MOIST, STIFF.
15	SC	49	CTG.	NA	LIGHT BROWN, CLAYEY SAND, SLIGHTLY PLASTIC, MOIST, VERY STIFF.
	SC	14	SPT.	NA	PALE OLIVE, SHALE, MOIST, HARD, AUGER REFUSAL.
20					
25					
30					

TOTAL DEPTH: 15.5 FEET
COMPLETION: BACKFILLED BORINGS WITH CUTTINGS.

NOTES: SAA - SAME SOIL TYPE AS DESCRIBED ABOVE, EXCEPT AS NOTED.
CUT'G - GRAB SOIL SAMPLE.
SPT - SPLIT TUBE SAMPLE.
ND - NONE DETECTED.
OVM - SOIL SAMPLE COLLECTED DURING EXPLORATION, ANALYZED
FOR HYDROCARBON VAPORS PER NMED HEADSPACE FIELD
METHOD USING THERMO ENVIRONMENTAL INSTRUMENTS
MODEL 580-B ORGANIC VAPOR METER (PID).
BORING LOCATION AS NOTED ON TEST BORING DIAGRAM (SHEET A4).

DRAWING: 93124-T6
DATE: 8-02-93
DWN BY: REO

ENVIROTECH Inc.

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

BORE/TEST HOLE REPORT

BORING No: 7
JOB No: 93124
PAGE No: 1
LOCATION: SEE NOTES
DATE START: 6-15-93
DATE FINISH: 6-15-93
OPERATOR: MD
PREPARED BY: REO

PROJECT: AZTEC P.C. DRIPLINE
CLIENT: GAS COMPANY OF NEW MEXICO
CONTRACTOR: ENVIROTECH INC.
EQUIPMENT USED: CME 55 ROTARY DRILL WITH 8" HOLLOW STEM AUGER
SPLIT-TUBE SAMPLER

DEPTH FEET	USC	OVM PPM	SAMPLE TYPE	BLOW/ FOOT	FIELD CLASSIFICATION AND REMARKS
					GROUND SURFACE
5	CL				DUSKY YELLOW, SILTY CLAY, SLIGHTLY PLASTIC, MOIST, FIRM, NO ODOR.
10	CL	5.2	CTG.	NA	LIGHT BROWN, CLAYEY SILT, SLIGHTLY PLASTIC, MOIST, VERY FIRM, NO ODOR.
15	CL	19.4	CTG.	NA	YELLOWISH GRAY, SAA. AUGER REFUSAL.
20					
25					
30					

TOTAL DEPTH: 15.0 FEET
COMPLETION: BACKFILLED BORINGS WITH CUTTINGS.

NOTES: SAA - SAME SOIL TYPE AS DESCRIBED ABOVE, EXCEPT AS NOTED.
CTG - GRAB SOIL SAMPLE.
ND - NONE DETECTED.
OVM - SOIL SAMPLE COLLECTED DURING EXPLORATION, ANALYZED
FOR HYDROCARBON VAPORS PER NMED HEADSPACE FIELD
METHOD USING THERMO ENVIRONMENTAL INSTRUMENTS
MODEL 580-B ORGANIC VAPOR METER (PID).
BORING LOCATION AS NOTED ON TEST BORING DIAGRAM (SHEET A4).

DRAWING: 93124-T7
DATE: 8-02-93
OWN BY: REO



FINAL EXCAVATION-LOOKING NORTH



FINAL EXCAVATION-LOOKING EAST

SITE RECLAMATION REPORT
 PETROLEUM HYDROCARBON RELEASE
 GAS COMPANY OF NEW MEXICO
 AZTEC P.C. DRIPLINE
 (C) SEC 18 T28N R10W NMPM

Envirotech Inc.
 AUGUST 1993 PROJECT: 93124



REMAINING SOIL CONTAMINATION-
SOUTH WALL-BENEATH 8" PIPELINE



BACKFILLING OF EXCAVATION LOOKING WEST

SITE RECLAMATION REPORT
PETROLEUM HYDROCARBON RELEASE
GAS COMPANY OF NEW MEXICO
AZTEC P.C. DRIPLINE
(C) SEC 18 T28N R10W NMPM

Envirotech Inc.
AUGUST 1993 PROJECT: 93124



SOIL VAPOR EXTRACTION (SVE) SYSTEM INSTALLATION



SOIL VAPOR EXTRACTION (SVE) SYSTEM INSTALLATION

SITE RECLAMATION REPORT
 PETROLEUM HYDROCARBON RELEASE
 GAS COMPANY OF NEW MEXICO
 AZTEC P.C. DRIPLINE
 (C) SEC 18 T28N R10W NMPM

Envirotech Inc.
 AUGUST 1993 PROJECT: 93124



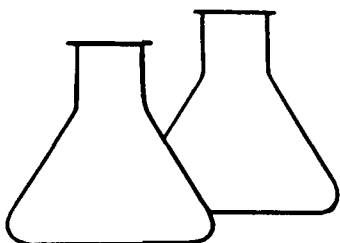
FINAL SITE RECLAMATION-LOOKING SOUTHEAST



FINAL SITE RECLAMATION-LOOKING NORTHEAST

SITE RECLAMATION REPORT
 PETROLEUM HYDROCARBON RELEASE
 GAS COMPANY OF NEW MEXICO
 AZTEC P.C. DRIPLINE
 (C) SEC 18 T28N R10W NMPM

Envirotech Inc.
 AUGUST 1993 PROJECT: 93124



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:	Gas Co. of NM	Project #:	93124
Sample ID:	11 NCB @ 9'	Date Sampled:	06-01-93
Laboratory Number:	5367	Date Received:	06-01-93
Sample Matrix:	Soil	Date Analyzed:	06-02-93
Preservative:	Cool	Date Reported:	06-02-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	13.1	5.0

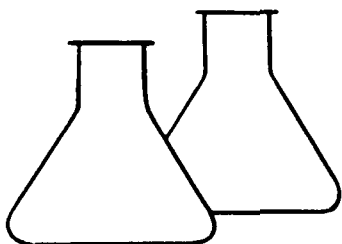
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

A. Chahar
Analyst

Morris D. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	21 NB @ 12'	Date Sampled:	05-28-93
Laboratory Number:	5356	Date Received:	06-01-93
Sample Matrix:	Soil	Date Analyzed:	06-01-93
Preservative:	Cool	Date Reported:	06-01-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	16.0	5.0

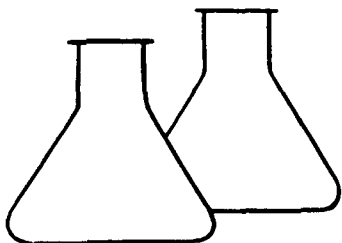
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

A. Chaharlang
Analyst

M. J. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	32 WS @ 5'	Date Sampled:	05-28-93
Laboratory Number:	5357	Date Received:	06-01-93
Sample Matrix:	Soil	Date Analyzed:	06-01-93
Preservative:	Cool	Date Reported:	06-01-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	13.1	5.0

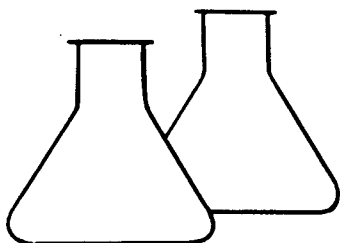
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

Ace Chaharlang
Analyst

Morris D. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	40 SCS @ 6'	Date Sampled:	05-28-93
Laboratory Number:	5358	Date Received:	06-01-93
Sample Matrix:	Soil	Date Analyzed:	06-01-93
Preservative:	Cool	Date Reported:	06-01-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	11.2	5.0

ND = Parameter not detected at the stated detection limit.

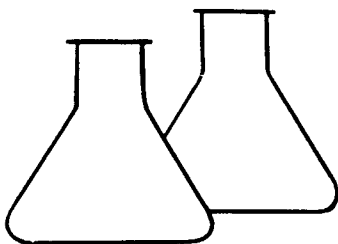
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

A. Chaharlang
Analyst

Marion D. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	53 NS @ 8'	Date Sampled:	05-28-93
Laboratory Number:	5359	Date Received:	06-01-93
Sample Matrix:	Soil	Date Analyzed:	06-01-93
Preservative:	Cool	Date Reported:	06-01-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	23.8	5.0

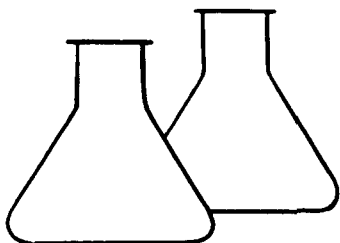
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

Ace Chaharlang
Analyst

Morris D. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	60 ENB @ 15'	Date Sampled:	06-01-93
Laboratory Number:	5368	Date Received:	06-01-93
Sample Matrix:	Soil	Date Analyzed:	06-02-93
Preservative:	Cool	Date Reported:	06-02-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	13.1	5.0

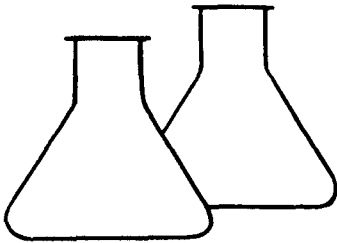
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

A. Chahar
Analyst

Marie D. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	64 NEC @ 6'	Date Sampled:	06-01-93
Laboratory Number:	5366	Date Received:	06-01-93
Sample Matrix:	Soil	Date Analyzed:	06-02-93
Preservative:	Cool	Date Reported:	06-02-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	14.6	5.0

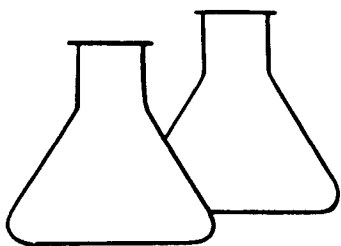
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

A. Chahar
Analyst

Marion D. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	71 EB @ 21'	Date Sampled:	06-02-93
Laboratory Number:	5374	Date Received:	06-02-93
Sample Matrix:	Soil	Date Analyzed:	06-03-93
Preservative:	Cool	Date Reported:	06-03-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	37.8	5.0

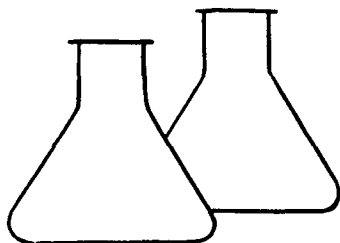
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

Ce Chaharlang
Analyst

Mavis D Young
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:	Gas Company of New Mexico	Project #:	93124
Sample ID:	72 ES @ 14'	Date Reported:	06-03-93
Laboratory Number:	5375	Date Sampled:	06-02-93
Sample Matrix:	Soil	Date Received:	06-02-93
Preservative:	Cool	Date Extracted:	06-03-93
Condition:	Cool & Intact	Date Analyzed:	06-03-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1,430	13.3
Toluene	20,600	26.5
Ethylbenzene	4,670	19.9
p,m-Xylene	25,200	26.5
o-Xylene	9,500	19.9

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	110 %
	Bromofluorobenzene	107 %

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

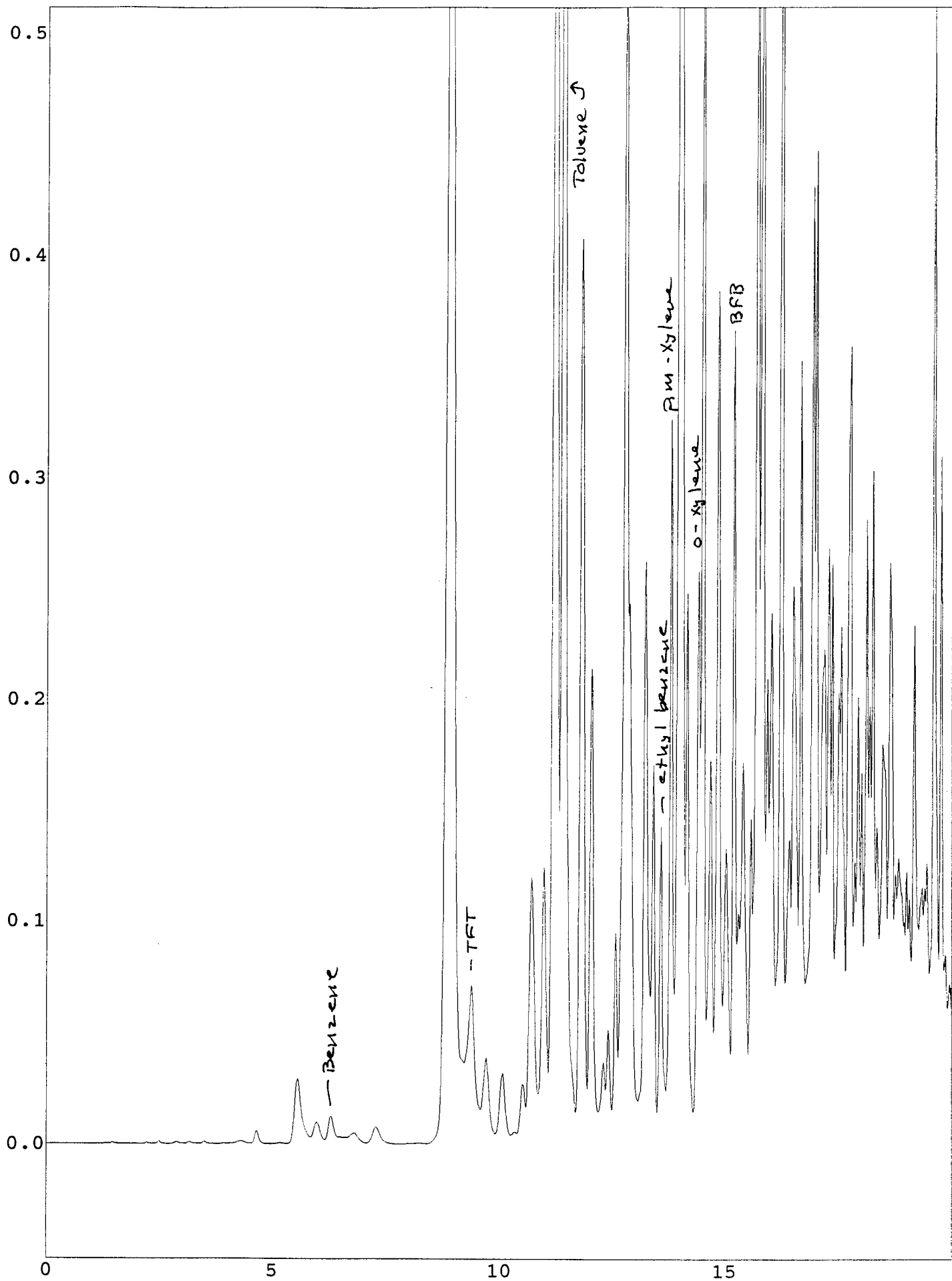
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

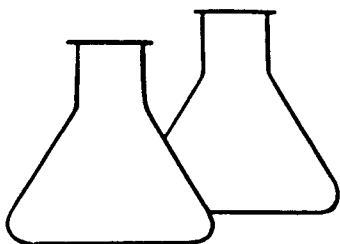
ND - Parameter not detected at the stated detection limit.

Comments: Aztec P.C. Drip Line

Shawn L. Jensen
Analyst

Thomas D. Young
Review





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:	Gas Co. of NM	Project #:	93124
Sample ID:	72 ES @ 14'	Date Sampled:	06-02-93
Laboratory Number:	5375	Date Received:	06-02-93
Sample Matrix:	Soil	Date Analyzed:	06-03-93
Preservative:	Cool	Date Reported:	06-03-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	1,620	5.0

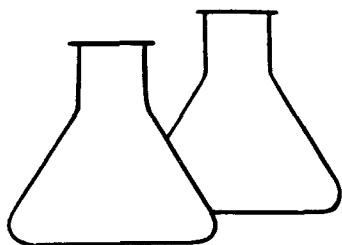
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

A. Chahar
Analyst

Morris D. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	73 ESS @ 8'	Date Sampled:	06-02-93
Laboratory Number:	5376	Date Received:	06-02-93
Sample Matrix:	Soil	Date Analyzed:	06-03-93
Preservative:	Cool	Date Reported:	06-03-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

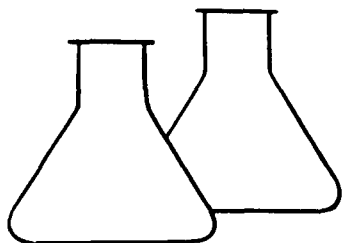
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

C. Chaharlang
Analyst

Maris D. Young
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:	Gas Company of New Mexico	Project #:	93124
Sample ID:	76 NEC @ 7'	Date Reported:	06-04-93
Laboratory Number:	5378	Date Sampled:	06-03-93
Sample Matrix:	Soil	Date Received:	06-03-93
Preservative:	Cool	Date Extracted:	06-04-93
Condition:	Cool & Intact	Date Analyzed:	06-04-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	13.0
Toluene	153	32.6
Ethylbenzene	25.1	19.6
p,m-Xylene	224	32.6
o-Xylene	51	19.6

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	105 %
	Bromofluorobenzene	111 %

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

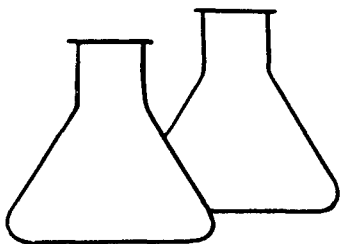
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Aztec P.C. Drip Line

Kevin L. Jensen
Analyst

Maris D. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	76 NEC @ 7'	Date Sampled:	06-03-93
Laboratory Number:	5378	Date Received:	06-03-93
Sample Matrix:	Soil	Date Analyzed:	06-04-93
Preservative:	Cool	Date Reported:	06-04-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	10.8	5.0

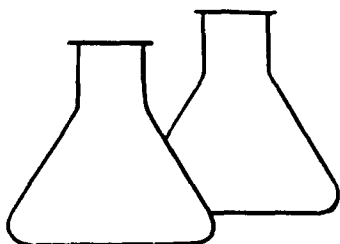
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

Cecilia Chahar
Analyst

Morgan D. Young
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:	Gas Company of New Mexico	Project #:	93124
Sample ID:	77 SB @ 21'	Date Reported:	06-04-93
Laboratory Number:	5379	Date Sampled:	06-03-93
Sample Matrix:	Soil	Date Received:	06-03-93
Preservative:	Cool	Date Extracted:	06-04-93
Condition:	Cool & Intact	Date Analyzed:	06-04-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	20.0	13.3
Toluene	64	33.3
Ethylbenzene	32.2	20.0
p,m-Xylene	96	33.3
o-Xylene	35.5	20.0

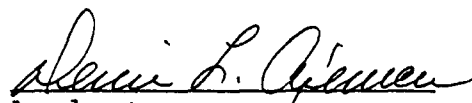
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	105 %
	Bromofluorobenzene	101 %

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

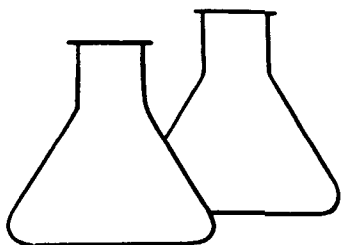
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Aztec P.C. Drip Line


Analyst


Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	77 SB @ 21'	Date Sampled:	06-03-93
Laboratory Number:	5379	Date Received:	06-03-93
Sample Matrix:	Soil	Date Analyzed:	06-04-93
Preservative:	Cool	Date Reported:	06-04-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	17.0	5.0

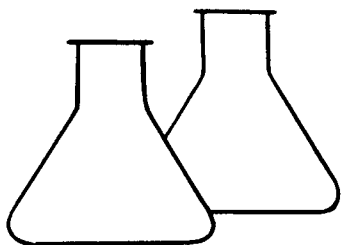
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

A. Chaharlang
Analyst

Marion Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	78 SB @ 18'	Date Sampled:	06-03-93
Laboratory Number:	5380	Date Received:	06-03-93
Sample Matrix:	Soil	Date Analyzed:	06-04-93
Preservative:	Cool	Date Reported:	06-04-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	5.2	5.0

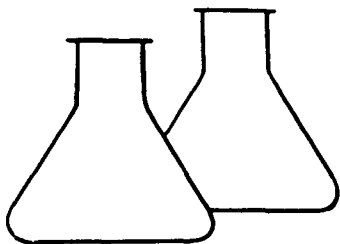
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

A. Chahar
Analyst

Morris D. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	79 SS @ 12'	Date Sampled:	06-03-93
Laboratory Number:	5381	Date Received:	06-03-93
Sample Matrix:	Soil	Date Analyzed:	06-04-93
Preservative:	Cool	Date Reported:	06-04-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	24.9	5.0

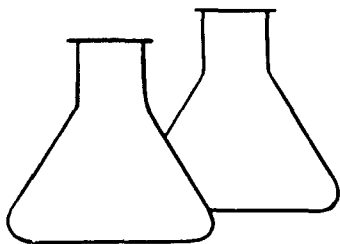
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

Cee Chabaling
Analyst

Morris D. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	82 WSS @ 6'	Date Sampled:	06-04-93
Laboratory Number:	5429	Date Received:	06-04-93
Sample Matrix:	Soil	Date Analyzed:	06-07-93
Preservative:	Cool	Date Reported:	06-07-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	ND	5.0

ND = Parameter not detected at the stated detection limit.

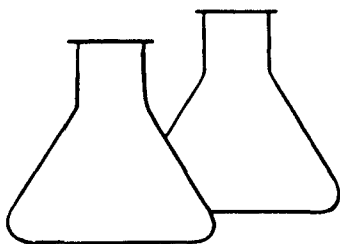
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

Cee Chahaling
Analyst

Moni D. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	83 WSS @ 12'	Date Sampled:	06-04-93
Laboratory Number:	5430	Date Received:	06-04-93
Sample Matrix:	Soil	Date Analyzed:	06-07-93
Preservative:	Cool	Date Reported:	06-07-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	7.4	5.0

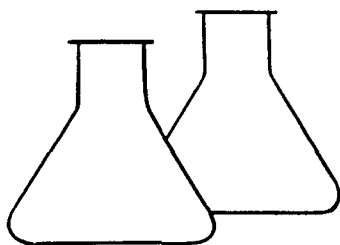
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

Lu Chahar
Analyst

Maria D. Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	86 SS @ 10'	Date Sampled:	06-04-93
Laboratory Number:	5431	Date Received:	06-04-93
Sample Matrix:	Soil	Date Analyzed:	06-07-93
Preservative:	Cool	Date Reported:	06-07-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	7.0	5.0

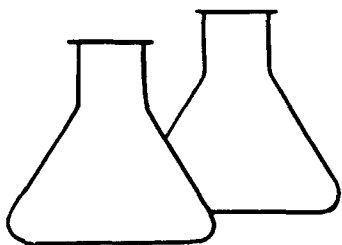
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

C. Chaharlang
Analyst

Morris D. Young
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:	Gas Company of New Mexico	Project #:	93124
Sample ID:	87 SB @ 21'	Date Reported:	06-07-93
Laboratory Number:	5432	Date Sampled:	06-04-93
Sample Matrix:	Soil	Date Received:	06-04-93
Preservative:	Cool	Date Extracted:	06-07-93
Condition:	Cool & Intact	Date Analyzed:	06-07-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	30.2
Toluene	64	50
Ethylbenzene	28.6	20.1
p,m-Xylene	199	40.2
o-Xylene	60	30.2

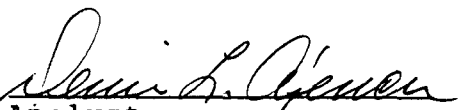
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	101 %
	Bromofluorobenzene	111 %

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

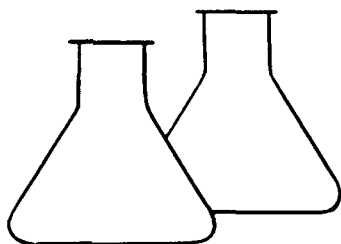
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Aztez P.C. Drip Line


Analyst


Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	87 SB @ 21'	Date Sampled:	06-04-93
Laboratory Number:	5432	Date Received:	06-04-93
Sample Matrix:	Soil	Date Analyzed:	06-07-93
Preservative:	Cool	Date Reported:	06-07-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	129	5.0

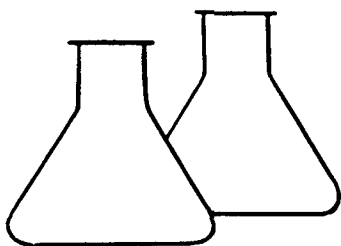
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

Lu Chabaley
Analyst

Morris D Young
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:	Gas Company of New Mexico	Project #:	93124
Sample ID:	88 ESS @ 18'	Date Reported:	06-07-93
Laboratory Number:	5433	Date Sampled:	06-04-93
Sample Matrix:	Soil	Date Received:	06-04-93
Preservative:	Cool	Date Extracted:	06-07-93
Condition:	Cool & Intact	Date Analyzed:	06-07-93
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	29.5
Toluene	83	49.1
Ethylbenzene	ND	19.6
p,m-Xylene	94	39.3
o-Xylene	35.2	29.5

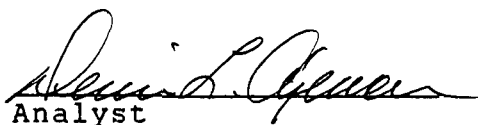
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	105 %
	Bromofluorobenzene	98 %

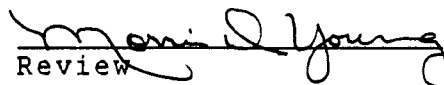
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

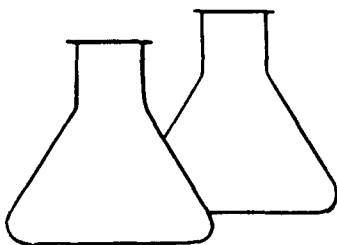
Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Aztez P.C. Drip Line


Analyst


Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	88 ESS @ 18'	Date Sampled:	06-04-93
Laboratory Number:	5433	Date Received:	06-04-93
Sample Matrix:	Soil	Date Analyzed:	06-07-93
Preservative:	Cool	Date Reported:	06-07-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	67	5.0

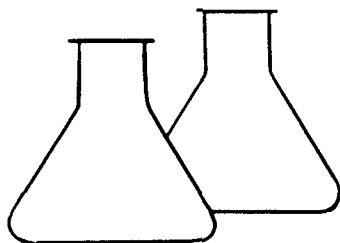
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments: Aztec P.C. drip line.

Cecilia Chahar
Analyst

Marisa Young
Review



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:	Gas Co. of NM	Project #:	93124
Sample ID:	90 ENS @ 10'	Date Sampled:	06-04-93
Laboratory Number:	5434	Date Received:	06-04-93
Sample Matrix:	Soil	Date Analyzed:	06-07-93
Preservative:	Cool	Date Reported:	06-07-93
Condition:	Cool & Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	ND	5.0

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: Aztec P.C. drip line.

Cecilia Chahar
Analyst

Morris D. Young
Review

[illegible]

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

San Juan regro Form 578-81

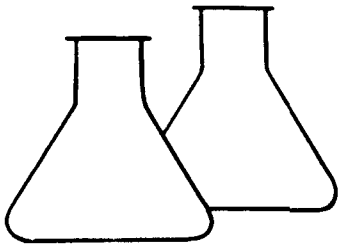
ENVIROTECH INC.
5796 U.S. Highway 64-3014
Farmington, New Mexico 87401
(505) 632-0615

ENVIROTECH LABORATORIES

5796 U.S. HIGHWAY 64-3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

QUALITY ASSURANCE/QUALITY CONTROL

DOCUMENTATION



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:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Sampled:	N/A
Laboratory Number:	TPSB0601	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	06-01-93
Preservative:	N/A	Date Reported:	06-01-93
Condition:	N/A	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	ND	5.0

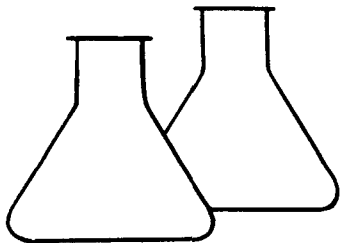
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

Ae Chaharlang
Analyst

Maria D. Young
Review



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:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Sampled:	N/A
Laboratory Number:	TPSB0602	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	06-02-93
Preservative:	N/A	Date Reported:	06-02-93
Condition:	N/A	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	ND	5.0

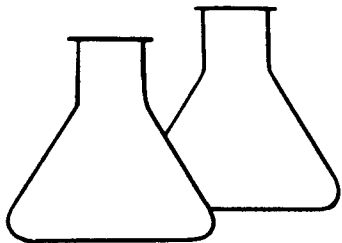
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

A. Chaharlang
Analyst

Maria D. Young
Review



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:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Sampled:	N/A
Laboratory Number:	TPSB0603	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	06-03-93
Preservative:	N/A	Date Reported:	06-03-93
Condition:	N/A	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	ND	5.0

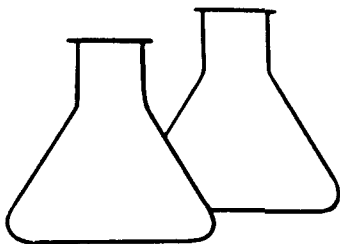
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

A. Chaharban
Analyst

M. D. Young
Review



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:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Sampled:	N/A
Laboratory Number:	TPSB0604	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	06-04-93
Preservative:	N/A	Date Reported:	06-04-93
Condition:	N/A	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	ND	5.0

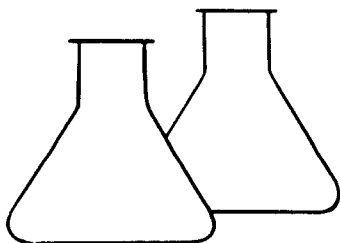
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

C. Chaharlang
Analyst

M. D. Young
Review



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:	N/A	Project #:	N/A
Sample ID:	Laboratory Blank	Date Sampled:	N/A
Laboratory Number:	TPSB0607	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	06-07-93
Preservative:	N/A	Date Reported:	06-07-93
Condition:	N/A	Analysis Needed:	TPH

Parameter -----	Concentration (mg/kg) -----	Det. Limit (mg/kg) -----
Total Petroleum Hydrocarbons	ND	5.0

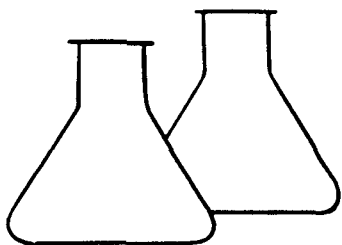
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

A. Chahar
Analyst

Maris D. Young
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:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	06-03-93
Laboratory Number:	0603AM.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	06-03-93
Condition:	NA	Analysis Requested:	BTEX

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

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	91 %
	Bromofluorobenzene	100 %

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

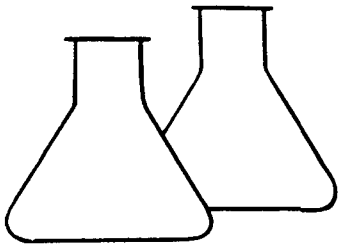
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Givens
Analyst

Maria D. Young
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:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	06-04-93
Laboratory Number:	0604am.blk	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	06-04-93
Condition:	NA	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.2
Toluene	ND	0.5
Ethylbenzene	ND	0.3
p,m-Xylene	ND	0.5
o-Xylene	ND	0.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	87 %
	Bromofluorobenzene	91 %

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

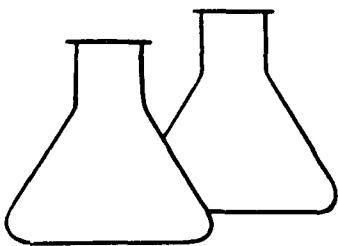
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Steven L. Jensen
Analyst

Margaret D. Young
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:	NA	Project #:	NA
Sample ID:	Laboratory Blank	Date Reported:	06-07-93
Laboratory Number:	0607AM.BLK	Date Sampled:	NA
Sample Matrix:	Water	Date Received:	NA
Preservative:	NA	Date Analyzed:	06-07-93
Condition:	NA	Analysis Requested:	BTEX

Parameter	Concentration (ug/L)	Det. Limit (ug/L)
Benzene	ND	0.3
Toluene	ND	0.5
Ethylbenzene	ND	0.2
p,m-Xylene	ND	0.4
o-Xylene	ND	0.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	97 %
	Bromofluorobenzene	100 %

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

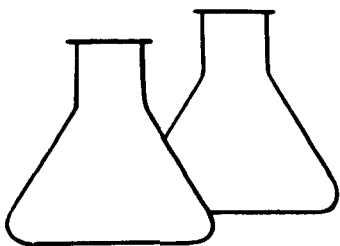
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:

Devin L. Glaser
Analyst

Maris D. Young
Review



ENVIROTECH LABS

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

** QUALITY ASSURANCE REPORT MATRIX SPIKE - TOTAL PETROLEUM HYDROCARBONS

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Spike	Date Sampled:	N/A
Laboratory Number:	TPSS0601	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	06-01-93
Analysis Requested:	TPH	Date Reported:	06-01-93

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked sample Result (mg/kg)	Percent Recovery
Total Petroleum Hydrocarbons	5.6	500	428	85

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	TPH	80 - 120

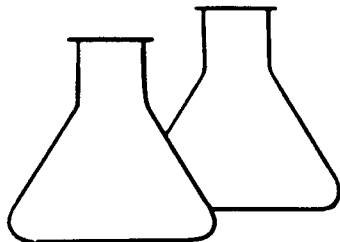
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

Ace Chaharley
Analyst

Merrill Young
Review



ENVIROTECH LABS

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

** QUALITY ASSURANCE REPORT MATRIX SPIKE - TOTAL PETROLEUM HYDROCARBONS

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Spike	Date Sampled:	N/A
Laboratory Number:	TPSS0602	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	06-02-93
Analysis Requested:	TPH	Date Reported:	06-02-93

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked sample Result (mg/kg)	Percent Recovery
Total Petroleum Hydrocarbons	5.2	498	426	85

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	TPH	80 - 120

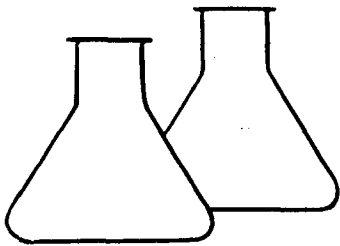
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

Ae Chaharlang
Analyst

Marion D. Young
Review



ENVIROTECH LABS

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

** QUALITY ASSURANCE REPORT MATRIX SPIKE - TOTAL PETROLEUM HYDROCARBONS

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Spike	Date Sampled:	N/A
Laboratory Number:	TPSS0603	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	06-03-93
Analysis Requested:	TPH	Date Reported:	06-03-93

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked sample Result (mg/kg)	Percent Recovery
Total Petroleum Hydrocarbons	ND	500	500	99

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	TPH	80 - 120

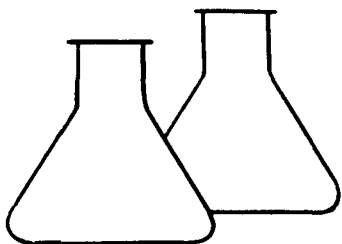
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

A. Chahal
Analyst

Mavis D. Young
Review



ENVIROTECH LABS

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

** QUALITY ASSURANCE REPORT MATRIX SPIKE - TOTAL PETROLEUM HYDROCARBONS

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Spike	Date Sampled:	N/A
Laboratory Number:	TPSS0604	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	06-04-93
Analysis Requested:	TPH	Date Reported:	06-04-93

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked sample Result (mg/kg)	Percent Recovery
Total Petroleum Hydrocarbons	ND	499	406	81

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	TPH	80 - 120

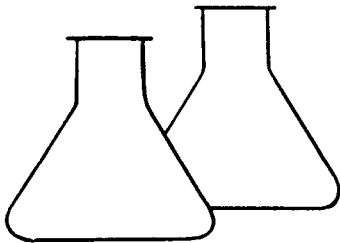
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

A. Chahar
Analyst

Margaret Young
Review



ENVIROTECH LABS

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

** QUALITY ASSURANCE REPORT MATRIX SPIKE - TOTAL PETROLEUM HYDROCARBONS

Client:	N/A	Project #:	N/A
Sample ID:	Laboratory Spike	Date Sampled:	N/A
Laboratory Number:	TPSS0607	Date Received:	N/A
Sample Matrix:	Soil	Date Analyzed:	06-07-93
Analysis Requested:	TPH	Date Reported:	06-07-93

Parameter	Sample Result (mg/kg)	Spike Added (mg/kg)	Spiked sample Result (mg/kg)	Percent Recovery
Total Petroleum Hydrocarbons	ND	500	408	81

QA ACCEPTANCE CRITERIA:	Parameter	Acceptance Range %
	TPH	80 - 120

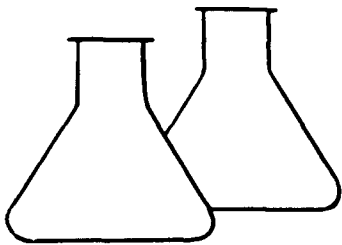
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

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

Comments:

A. Chaharling
Analyst

Morris D. Young
Review



ENVIROTECH LABS

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

** QUALITY ASSURANCE EPA METHOD 8020
MATRIX SPIKE - AROMATIC VOLATILE ORGANICS

Client: NA
Sample ID: Sample Spike
Laboratory Number: 5378-S-BTEX.
Sample Matrix: Soil
Analysis Requested: BTEX
Condition: NA

Project #: NA
Date Reported: 06-04-93
Date Sampled: 06-03-93
Date Received: 06-03-93
Date Analyzed: 06-04-93

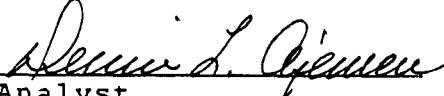
Parameter	Sample Result (ug/Kg)	Spike Added (ug/Kg)	Spiked Sample Result (ug/Kg)	Det. Limit (ug/Kg)	Percent Recovery	SW-846 % Rec. Accept. Range
Benzene	ND	489	372	13.0	75	39-150
Toluene	153	489	441	32.6	69	46-148
Ethylbenzene	25.1	489	399	19.6	78	32-160
p,m-Xylene	224	489	477	32.6	67	46-148
o-Xylene	51	489	427	19.6	79	46-148

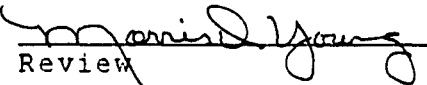
Method: Method 5030, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

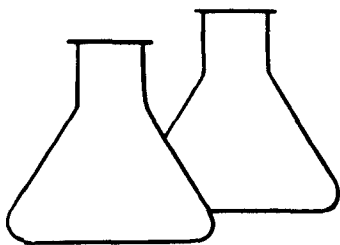
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986

ND - Parameter not detected at the stated detection limit.

Comments:


Analyst


Review



ENVIROTECH LABS

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

** QUALITY ASSURANCE REPORT
METHOD 8020 BTEX

MATRIX DUPLICATE
AROMATIC VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	05-19-93
Laboratory Number:	5375-D-BTEX.	Date Sampled:	05-18-93
Sample Matrix:	Soil	Date Received:	05-18-93
Preservative:	Cool	Date Analyzed:	06-03-93
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Percent Difference
Benzene	1428	1475	3.2
Toluene	20621	21185	2.7
Ethylbenzene	4668	4613	1.2
p,m-Xylene	25209	25121	0.4
o-Xylene	9516	9327	2.0

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.

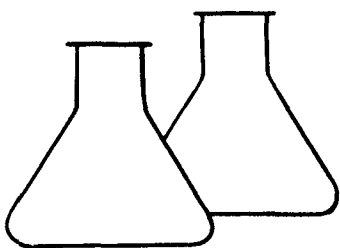
Method 8020, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments:

Kevin L. Gorman
Analyst

Morris D. Young
Review



ENVIROTECH LABS

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

** QUALITY ASSURANCE REPORT
METHOD 8020 BTEX

MATRIX DUPLICATE
AROMATIC VOLATILE ORGANICS

Client:	NA	Project #:	NA
Sample ID:	NA	Date Reported:	06-07-93
Laboratory Number:	5432-D-BTEX.	Date Sampled:	06-04-93
Sample Matrix:	Soil	Date Received:	06-04-93
Preservative:	Cool	Date Analyzed:	06-07-93
Condition:	Cool and Intact	Analysis Requested:	BTEX

Parameter	Sample Result (ug/Kg)	Duplicate Result (ug/Kg)	Percent Difference
Benzene	ND	ND	0.0
Toluene	64	67	3.8
Ethylbenzene	28.6	27.4	4.1
p,m-Xylene	199	197	1.0
o-Xylene	60	64	7.4

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:

Kevin L. Clemen
Analyst

Maris D. Young
Review

ENVIROTECH INC.

UNDERGROUND TANK TESTING • SITE ASSESSMENT • SITE REMEDIATION

5796 U.S. HIGHWAY 64 - 3014
FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615

Certification of Waste Status

Originating location GAS COMPANY OF NEW MEXICO / AZTEC P.C. DREPLING
(C) SEC 18, T28N, R10W, NM PM

Disposal Location: Envirotech Soil Remediation Site, Hilltop, N.M.

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by EPA's July 1988 Regulatory Determination and that non-exempt waste that is a "hazardous waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the exempt waste in such a manner so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3(b)."

Signature Mark McAndrews

Name, Date 3-18-93

Company GAS CO. OF NM.

Address P.O. Box 1899 BLOOMFIELD NM
87413



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

93124

BRUCE KING
GOVERNORANITA LOCKWOOD
CABINET SECRETARY

July 27, 1993

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800**CERTIFIED MAIL****RETURN RECEIPT NO. P-667-242-364**

Mr. Eric Seelinger
Gas Company of New Mexico
Alvarado Square
Albuquerque, NM 87158

**RE: AZTEC PC MAINLINE DRIP REMEDIATION
SAN JUAN COUNTY, NEW MEXICO**

Dear Mr. Seelinger:

The New Mexico Oil Conservation Division (OCD) has completed a review of the Gas Company of New Mexico (GCNM) July 19, 1993 "AZTEC PC MAINLINE DRIP CLEANUP PROPOSED RECLAMATION" which was submitted on behalf of GCNM by their consultant Envirotech, Inc. This document outlines GCNM's proposal for installation of a soil vapor extraction system to remediate contaminated soils related to discharges from the Aztec Picture Cliffs pipeline located in Unit C, Sec 28, T28N, R10W, NMPM, San Juan County, New Mexico.

The above referenced remediation plan is hereby approved with the following conditions:

- * 1. GCNM will submit a comprehensive report to OCD by September 1, 1993 documenting the level of contaminants remaining after the excavation of contaminated soils at the site.
2. GCNM will notify OCD at least 72 hours in advance of all scheduled work elements such that OCD may have the opportunity to witness the activities.
3. GCNM will submit the proposed annual report containing the results of the remediation monitoring program to OCD by February 2, 1993 of each year.

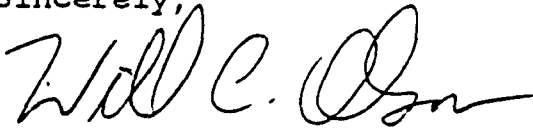
Please be advised that OCD approval does not relieve GCNM of liability should remaining contaminants pose a threat to fresh

Mr. Eric Seelinger
July 27, 1993
Page 2

waters or public health or should the proposed system fail to effectively remediate contaminants related to GCNM's activities. In addition, OCD approval does not relieve GCNM of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please contact me at (505) 827-5885.

Sincerely,



William C. Olson
Hydrogeologist
Environmental Bureau

xc: OCD Aztec Office
Mike Pool, BLM Farmington District Manager
~~Morris Young, Env. Tech, Ther.~~

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

MANIFEST

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY

[illegible]

Bill of Lading

MONTH OF

MANIFEST

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY

DATE	No.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	COMPANY	TRK #	DRIVER SIGNATURE
Sept 1	1	Gas Company	Antarctica	Coat		20	Endeavour	656	Alta
Sept 2	2	"	"	"		20	"	657	Alta
Sept 3	3	"	"	"		20	"	658	Alta
Sept 4	4	"	"	"		20	"	659	Alta
Sept 5	5	"	"	"		20	"	660	Alta
Sept 6	6	"	"	"		20	"	661	Alta
Sept 7	7	"	"	"		20	"	662	Alta
Sept 8	8	"	"	"		20	"	663	Alta
Sept 9	9	"	"	"		20	"	664	Alta
Sept 10	10	"	"	"		20	"	665	Alta
Sept 11	11	"	"	"		20	"	666	Alta
Sept 12	12	"	"	"		20	"	667	Alta
Sept 13	13	"	"	"		20	"	668	Alta
Sept 14	14	"	"	"		20	"	669	Alta
Sept 15	15	"	"	"		20	"	670	Alta
Sept 16	16	"	"	"		20	"	671	Alta
Sept 17	17	"	"	"		20	"	672	Alta
Sept 18	18	"	"	"		20	"	673	Alta
Sept 19	19	"	"	"		20	"	674	Alta
Sept 20	20	"	"	"		20	"	675	Alta
Sept 21	21	"	"	"		20	"	676	Alta
Sept 22	22	"	"	"		20	"	677	Alta
Sept 23	23	"	"	"		20	"	678	Alta
Sept 24	24	"	"	"		20	"	679	Alta
Sept 25	25	"	"	"		20	"	680	Alta
Sept 26	26	"	"	"		20	"	681	Alta
Sept 27	27	"	"	"		20	"	682	Alta
Sept 28	28	"	"	"		20	"	683	Alta
Sept 29	29	"	"	"		20	"	684	Alta
Sept 30	30	"	"	"		20	"	685	Alta
Sept 31	31	"	"	"		20	"	686	Alta
Sept 32	32	"	"	"		20	"	687	Alta
Sept 33	33	"	"	"		20	"	688	Alta
Sept 34	34	"	"	"		20	"	689	Alta
Sept 35	35	"	"	"		20	"	690	Alta
Sept 36	36	"	"	"		20	"	691	Alta
Sept 37	37	"	"	"		20	"	692	Alta
Sept 38	38	"	"	"		20	"	693	Alta
Sept 39	39	"	"	"		20	"	694	Alta
Sept 40	40	"	"	"		20	"	695	Alta
Sept 41	41	"	"	"		20	"	696	Alta
Sept 42	42	"	"	"		20	"	697	Alta
Sept 43	43	"	"	"		20	"	698	Alta
Sept 44	44	"	"	"		20	"	699	Alta
Sept 45	45	"	"	"		20	"	700	Alta
Sept 46	46	"	"	"		20	"	701	Alta
Sept 47	47	"	"	"		20	"	702	Alta
Sept 48	48	"	"	"		20	"	703	Alta
Sept 49	49	"	"	"		20	"	704	Alta
Sept 50	50	"	"	"		20	"	705	Alta
Sept 51	51	"	"	"		20	"	706	Alta
Sept 52	52	"	"	"		20	"	707	Alta
Sept 53	53	"	"	"		20	"	708	Alta
Sept 54	54	"	"	"		20	"	709	Alta
Sept 55	55	"	"	"		20	"	710	Alta
Sept 56	56	"	"	"		20	"	711	Alta
Sept 57	57	"	"	"		20	"	712	Alta
Sept 58	58	"	"	"		20	"	713	Alta
Sept 59	59	"	"	"		20	"	714	Alta

PHONE: (505) 632-0615

Bill of Lading

MONTH OF

3647

[illegible]

PHONE: (505) 632-0615

Bill of Lading

MONTH OF

MANIFEST

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY

[illegible]

PHONE: (505) 632-0615

Bill of Lading

MONTH OF May 20 1933

[illegible]

PHONE: (505) 632-0615

Bill of Lading

MONTH OF

27 Dec.

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF May 20 1953

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

MANIFEST

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY

DATE	No.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	COMPANY	TRK #	DRIVER SIGNATURE
5/26/83	1	GAS COMPANY	LANCASTER	asph	A18-123	20	ENCL. 10-4-83	E-58	[Signature]
5/26/83	2	"	"	"	"	20	"	E-58	[Signature]
5/26/83	3	"	"	"	"	20	"	E-58	[Signature]
5/26/83	4	"	"	"	"	20	"	E-58	[Signature]
5/26/83	5	"	"	"	"	20	"	E-58	[Signature]
5/26/83	6	"	"	"	"	20	"	E-58	[Signature]
						120			

Bill of Lading

PHONE: (505) 632-0615

MONTH OF MAY 1993

[illegible]

PHONE: (505) 632-0615

Bill of Lading

MONTH OF

May

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF 5-27-93

MANIFEST		COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
DATE	No.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	COMPANY	TRK #	DRIVER SIGNATURE	
5-27-93	1	Aztec drop line	landfarm#2	d.v.t contaminated	#18-023	20	Envirotech Inc.	553	Raulo Quante	
"	2	"	"	"	"	"	"	"	Raulo Quante	
"	3	"	"	"	"	"	"	"	Raulo Quante	
"	4	"	"	"	"	"	"	"	Raulo Quante	
"	5	"	"	"	"	"	"	"	Raulo Quante	
"	6	"	"	"	"	"	"	"	Raulo Quante	
"	7	"	"	"	"	"	"	"	Raulo Quante	
"	8	"	"	"	"	"	"	"	Raulo Quante	
"	9	"	"	"	"	"	"	"	Raulo Quante	
"	10	"	"	"	"	"	"	"	Raulo Quante	
"	11	"	"	"	"	"	"	"	Raulo Quante	
"	12	"	"	"	"	"	"	"	Raulo Quante	
"	13	"	"	"	"	"	"	"	Raulo Quante	
"	14	"	"	"	"	"	"	"	Raulo Quante	
"	15	"	"	"	"	"	"	"	Raulo Quante	
"	16	"	"	"	"	"	"	"	Raulo Quante	
"	17	"	"	"	"	"	"	"	Raulo Quante	
"	18	"	"	"	"	"	"	"	Raulo Quante	
"	19	"	"	"	"	"	"	"	Raulo Quante	
"	20	"	"	"	"	"	"	"	Raulo Quante	
"	21	"	"	"	"	"	"	"	Raulo Quante	
"	22	"	"	"	"	"	"	"	Raulo Quante	
"	23	"	"	"	"	"	"	"	Raulo Quante	
"	24	"	"	"	"	"	"	"	Raulo Quante	
"	25	"	"	"	"	"	"	"	Raulo Quante	
"	26	"	"	"	"	"	"	"	Raulo Quante	
"	27	"	"	"	"	"	"	"	Raulo Quante	
"	28	"	"	"	"	"	"	"	Raulo Quante	
"	29	"	"	"	"	"	"	"	Raulo Quante	
"	30	"	"	"	"	"	"	"	Raulo Quante	
"	31	"	"	"	"	"	"	"	Raulo Quante	
"	32	"	"	"	"	"	"	"	Raulo Quante	
"	33	"	"	"	"	"	"	"	Raulo Quante	
"	34	"	"	"	"	"	"	"	Raulo Quante	
"	35	"	"	"	"	"	"	"	Raulo Quante	
"	36	"	"	"	"	"	"	"	Raulo Quante	
"	37	"	"	"	"	"	"	"	Raulo Quante	
"	38	"	"	"	"	"	"	"	Raulo Quante	
"	39	"	"	"	"	"	"	"	Raulo Quante	
"	40	"	"	"	"	"	"	"	Raulo Quante	
"	41	"	"	"	"	"	"	"	Raulo Quante	
"	42	"	"	"	"	"	"	"	Raulo Quante	
"	43	"	"	"	"	"	"	"	Raulo Quante	
"	44	"	"	"	"	"	"	"	Raulo Quante	
"	45	"	"	"	"	"	"	"	Raulo Quante	
"	46	"	"	"	"	"	"	"	Raulo Quante	
"	47	"	"	"	"	"	"	"	Raulo Quante	
"	48	"	"	"	"	"	"	"	Raulo Quante	
"	49	"	"	"	"	"	"	"	Raulo Quante	
"	50	"	"	"	"	"	"	"	Raulo Quante	
"	51	"	"	"	"	"	"	"	Raulo Quante	
"	52	"	"	"	"	"	"	"	Raulo Quante	
"	53	"	"	"	"	"	"	"	Raulo Quante	
"	54	"	"	"	"	"	"	"	Raulo Quante	
"	55	"	"	"	"	"	"	"	Raulo Quante	
"	56	"	"	"	"	"	"	"	Raulo Quante	
"	57	"	"	"	"	"	"	"	Raulo Quante	
"	58	"	"	"	"	"	"	"	Raulo Quante	
"	59	"	"	"	"	"	"	"	Raulo Quante	
"	60	"	"	"	"	"	"	"	Raulo Quante	
"	61	"	"	"	"	"	"	"	Raulo Quante	
"	62	"	"	"	"	"	"	"	Raulo Quante	
"	63	"	"	"	"	"	"	"	Raulo Quante	
"	64	"	"	"	"	"	"	"	Raulo Quante	
"	65	"	"	"	"	"	"	"	Raulo Quante	
"	66	"	"	"	"	"	"	"	Raulo Quante	
"	67	"	"	"	"	"	"	"	Raulo Quante	
"	68	"	"	"	"	"	"	"	Raulo Quante	
"	69	"	"	"	"	"	"	"	Raulo Quante	
"	70	"	"	"	"	"	"	"	Raulo Quante	
"	71	"	"	"	"	"	"	"	Raulo Quante	
"	72	"	"	"	"	"	"	"	Raulo Quante	
"	73	"	"	"	"	"	"	"	Raulo Quante	
"	74	"	"	"	"	"	"	"	Raulo Quante	
"	75	"	"	"	"	"	"	"	Raulo Quante	
"	76	"	"	"	"	"	"	"	Raulo Quante	
"	77	"	"	"	"	"	"	"	Raulo Quante	
"	78	"	"	"	"	"	"	"	Raulo Quante	
"	79	"	"	"	"	"	"	"	Raulo Quante	
"	80	"	"	"	"	"	"	"	Raulo Quante	
"	81	"	"	"	"	"	"	"	Raulo Quante	
"	82	"	"	"	"	"	"	"	Raulo Quante	
"	83	"	"	"	"	"	"	"	Raulo Quante	
"	84	"	"	"	"	"	"	"	Raulo Quante	
"	85	"	"	"	"	"	"	"	Raulo Quante	
"	86	"	"	"	"	"	"	"	Raulo Quante	
"	87	"	"	"	"	"	"	"	Raulo Quante	
"	88	"	"	"	"	"	"	"	Raulo Quante	
"	89	"	"	"	"	"	"	"	Raulo Quante	
"	90	"	"	"	"	"	"	"	Raulo Quante	
"	91	"	"	"	"	"	"	"	Raulo Quante	
"	92	"	"	"	"	"	"	"	Raulo Quante	
"	93	"	"	"	"	"	"	"	Raulo Quante	
"	94	"	"	"	"	"	"	"	Raulo Quante	
"	95	"	"	"	"	"	"	"	Raulo Quante	
"	96	"	"	"	"	"	"	"	Raulo Quante	
"	97	"	"	"	"	"	"	"	Raulo Quante	
"	98	"	"	"	"	"	"	"	Raulo Quante	
"	99	"	"	"	"	"	"	"	Raulo Quante	
"	100	"	"	"	"	"	"	"	Raulo Quante	

PHONE: (505) 632-0615

Bill of Lading

MONTH OF

MANIFEST

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY/

DATE	No.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID YDS	COMPANY	TRK #	DRIVER SIGNATURE
6/27/93	1	Gas company	Landfill #2	Cont	At 100	twi/kor/sch	E-56	[Signature]
6/27/93	2	"	"	"	20		E-56	[Signature]
6/27/93	3	"	"	"	20		E-56	[Signature]
6/27/93	4	"	"	"	20		E-56	[Signature]
6/27/93	5	"	"	"	20		E-56	[Signature]
6/27/93	6	"	"	"	20		E-56	[Signature]
6/27/93	7	"	"	"	20		E-56	[Signature]
6/27/93	8	"	"	"	20		E-56	[Signature]
					100			



3217

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

100-93

[illegible]

PHONE: (505) 632-0615

PHONE: (505) 632-0615

[illegible]

PHONE: (505) 632-0615

Bill of Lading

MONTH OF

1971

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

Nov 28 1993

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

May

MANIFEST

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

74

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

म
७
०
०
०
०
०

[illegible]

PHONE: (505) 632-0615

Bill of Lading

MONTH OF _____

2

[illegible]



PHONE: (505) 632-0615

Bill of Lading

MONTH OF

6-1-93

[illegible]

PHONE: (505) 632-0615

Bill of Lading

MONTH OF June

[illegible]



3624

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

JUNE 1993

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

1078

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF 6-1-93

MANIFEST		--COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
DATE	No.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	COMPANY	TRK #	DRIVER SIGNATURE	
6-1-93	1	Aztec dune line	hull	4x4	A18	20	Envirotech Inc.	253	Raulo Vazquez	
"	2	"	"	"	"	"	"	"	Raulo Vazquez	
"	3	"	"	"	"	"	"	"	Raulo Vazquez	
"	4	"	"	"	"	"	"	"	Raulo Vazquez	
"	5	"	"	"	"	"	"	"	Raulo Vazquez	
"	6	"	"	"	"	"	"	"	Raulo Vazquez	
"	7	"	"	"	"	"	"	"	Raulo Vazquez	
"	8	"	"	"	"	"	"	"	Raulo Vazquez	
"	9	"	"	"	"	1600	"	"	Raulo Vazquez	
"	10	"	"	"	"	"	"	"	Raulo Vazquez	
"	11	"	"	"	"	"	"	"	Raulo Vazquez	
"	12	"	"	"	"	"	"	"	Raulo Vazquez	
"	13	"	"	"	"	"	"	"	Raulo Vazquez	
"	14	"	"	"	"	"	"	"	Raulo Vazquez	
"	15	"	"	"	"	"	"	"	Raulo Vazquez	
"	16	"	"	"	"	"	"	"	Raulo Vazquez	
"	17	"	"	"	"	"	"	"	Raulo Vazquez	
"	18	"	"	"	"	"	"	"	Raulo Vazquez	
"	19	"	"	"	"	"	"	"	Raulo Vazquez	
"	20	"	"	"	"	"	"	"	Raulo Vazquez	
"	21	"	"	"	"	"	"	"	Raulo Vazquez	
"	22	"	"	"	"	"	"	"	Raulo Vazquez	
"	23	"	"	"	"	"	"	"	Raulo Vazquez	
"	24	"	"	"	"	"	"	"	Raulo Vazquez	
"	25	"	"	"	"	"	"	"	Raulo Vazquez	
"	26	"	"	"	"	"	"	"	Raulo Vazquez	
"	27	"	"	"	"	"	"	"	Raulo Vazquez	
"	28	"	"	"	"	"	"	"	Raulo Vazquez	
"	29	"	"	"	"	"	"	"	Raulo Vazquez	
"	30	"	"	"	"	"	"	"	Raulo Vazquez	

PHONE: (505) 632-0615

Bill of Lading

MONTH OF

MANIFEST

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

MANIFEST

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY

[illegible]

PHONE: (505) 632-0615

Bill of Lading

MONTH OF JUNE 1933

[illegible]

PHONE: (505) 632-0615

Bill of Lading

MONTH OF

3686

[illegible]

PHONE: (505) 632-0615

Bill of Lading

MONTH OF

JUN

MANIFEST		COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
DATE	No.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	COMPANY	TRK #	DRIVER SIGNATURE	
6/26/83	1	GAS COMPANY	LANARK #2	Cont	180	20	ENVIRONMENTAL	E-56	John Val	
6/26/83	2				180	20		E-56	John Val	
6/26/83	3					20		E-56	John Val	
6/26/83	4					20		E-56	John Val	
6/26/83	5					20		E-56	John Val	
6/26/83	6					20		E-56	John Val	
6/26/83	7					20		E-56	John Val	
6/26/83						20		E-56	John Val	
						140				
						A18 thru 123				

Bill of Lading

PHONE: (505) 632-0615

MONTH OF JUNE | 1945

[illegible]

PHONE: (505) 632-0615

Bill of Lading

MONTH OF

150

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF June[illegible]

PHONE: (505) 632-0615

Bill of Lading

MONTH OF

100

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

6-1-93

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF June

MANIFEST

COMPLETE DESCRIPTION OF SHIPMENT

TRANSPORTING COMPANY

[illegible]

Bill of Lading

PHONE: (505) 632-0615

MONTH OF August 1993

MANIFEST				COMPLETE DESCRIPTION OF SHIPMENT				TRANSPORTING COMPANY			
DATE	No.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	COMPANY	TRK #	DRIVER SIGNATURE		
8-2	1	GASCOOP N.M.	LAND FARM #2	CON'T'D	K-25	20	ENVIROTECH	B-48	June L. Hancock		
8-2	2	GASCOOP N.M.	LAND FARM #2	CON'T'D	K-25	20	ENVIROTECH	B-48	June L. Hancock		
8-2	1	LAND FARM #1	GASCOOP N.M.	ROCK		20	ENVIROTECH	B-48	June L. Hancock		
8-2	2	LAND FARM #1	GASCOOP N.M.	ROCK		20	ENVIROTECH	B-48	June L. Hancock		
8-2	3	GASCOOP N.M.	LAND FARM #2	CON'T'D	K-25	20	ENVIROTECH	B-48	June L. Hancock		
8-2	3	LAND FARM #1	GASCOOP N.M.	ROCK		20	ENVIROTECH	B-48	June L. Hancock		
8-2	4	LAND FARM #1	GASCOOP N.M.	ROCK		20	ENVIROTECH	B-48	June L. Hancock		
8-2	5	LAND FARM #1	GASCOOP N.M.	ROCK		20	ENVIROTECH	B-48	June L. Hancock		

Bill of Lading

MONTH OF August

PHONE: (505) 632-0615

MANIFEST		COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
DATE	No.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	COMPANY	TRK #	DRIVER SIGNATURE	
8-2	1	GC of NM	Landfarm 2	contand		20	Envirotech	E-58	K Lowrance	
	2	GC NM	Landfarm 2	contand		20	Envirotech	E-58	K Lowrance	
	3	GC NM	Landfarm 2	contand		20	Envirotech	E-58	K Lowrance	
	4	Gas Co. & NM	Landfarm 2	contand		20	Envirotech	E-58	K Lowrance	
						80				
8-2	1	Landfarm 1	GC NM	3" Rock		20	Envirotech	E-58	K Lowrance	
	2	Landfarm 1	GC NM	3" Rock		20	Envirotech	E-58	K Lowrance	
	3	Landfarm 1	GC NM	3" Rock		20	Envirotech	E-58	K Lowrance	
	4	Landfarm 1	GC NM	3" Rock		20	Envirotech	E-58	K Lowrance	
	5	Landfarm 1	GC NM	3" Rock		20	Envirotech	E-58	K Lowrance	

Bill of Lading

PHONE: (505) 632-0615

MONTH OF

August

MANIFEST				COMPLETE DESCRIPTION OF SHIPMENT					TRANSPORTING COMPANY			
DATE	No.	POINT OF ORIGIN	DESTINATION	MATERIAL	GRID	YDS	COMPANY	TRK #	DRIVER SIGNATURE			
8/2/93	1	GAS CO	Landarm #2	Cont	K-2520	20	Envirotech	E-31	Alh Chn			
8/2/93	2	GAS CO	Landarm #2	Cont		20	Body Load & Pop	E-31	Alh Chn			
8/2/93	3	GAS CO	Landarm #2	Cont		20		E-31	Alh Chn			
	4					60						
	5											
	6											
	7											
	8											
8/2/93	1	Landarm #1	GAS CO	Rock Rock		20		E-31	Alh Chn			
8/2/93	2	Landarm #1	GAS CO	Rock Rock		20		E-31	Alh Chn			
8/2/93	3	Landarm #1	GAS CO	Rock		20		E-31	Alh Chn			
8/2/93	4	Landarm #1	GAS CO	Rock		20		E-31	Alh Chn			
8/2/93	5	Landarm #1	GAS CO	Rock		20		E-31	Alh Chn			
	6											
	7											
	8											

