

REPORT

OR 59c

ental Improvement Division  
Environment Department  
968 - Crown Building  
Santa Fe, New Mexico 87504-0968

LABORATORY

1/9/85

LAB NUMBER

OR 59A, B

ATTENTION: Steve Sares

BUREAU: Groundwater & Hazardous Waste

SLD Users Code No. 59500

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_  
Water Supply and/or Code No. PNM PSMW3  
City & County ALBUQUERQUE, BERNALILLO  
Collected (date & time) 1302 85-1-9 By (name) Sares  
pH=     ; Conductivity=      umho/cm at      °C; Chlorine Residual=       
Dissolved Oxygen=      mg/l; Alkalinity=     ; Flow Rate= 1.3 JPM  
Sampling Location, Methods & Remarks (i.e. odors etc.)  
Sample collected from PSMW #3 during pump test near end of test

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Steve W Sares  
I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory Hand Delivered  
THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as:  
specimen 8501091302; duplicate 8501091302; triplicate \_\_\_\_\_; blank(s) \_\_\_\_\_,  
and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_,  
and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.  
Containers are marked as follows to indicate preservation (circle):  
NP: No preservation; sample stored at room temperature (~20°C).  
P-ICE: Sample stored in an ice bath.  
P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ at (location) \_\_\_\_\_ on \_\_\_\_\_  
(date & time) \_\_\_\_\_ and that the statements in this block are correct.  
Disposition of Sample \_\_\_\_\_ Seal(s) Intact: RECEIVED  No   
Signature(s) \_\_\_\_\_

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ at (location) \_\_\_\_\_ on \_\_\_\_\_  
(date & time) \_\_\_\_\_ and that the statements in this block are correct.  
Disposition of Sample \_\_\_\_\_ Seal(s) Intact: Yes  No   
Signature(s) \_\_\_\_\_

JUN-24 1985  
LIQUID WASTE/GROUND WATER SURVEILLANCE



Steve Sares

1/9/85

OR 60C

LABORATORY \_\_\_\_\_

LAB NUMBER OR 60A, B

SLD Users Code No. 59500

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_

Water Supply and/or Code No. BLANK, SLD Organics Lab.

City & County SLD, Alb.

Collected (date & time) 85-1-9 0730 By (name) Jim? / Steve Sares

pH= —; Conductivity= — umho/cm at — °C; Chlorine Residual= —

Dissolved Oxygen= — mg/l; Alkalinity= —; Flow Rate= —

Sampling Location, Methods & Remarks (i.e. odors etc.)  
Blanks to accompany samples

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Steve Sares

I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory Hand Carried

THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as:  
specimen \_\_\_\_\_; duplicate \_\_\_\_\_; triplicate \_\_\_\_\_; blank(s) 8501090730,  
and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_,  
and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.

Containers are marked as follows to indicate preservation (circle):

NP: No preservation; sample stored at room temperature (~20°C).

P-ICE: Sample stored in an ice bath.

P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ at (location) \_\_\_\_\_ on \_\_\_\_\_  
(date & time) \_\_\_\_\_ and that the statements in this block are correct.

Disposition of Sample \_\_\_\_\_. Seal(s) Intact: Yes  No  .  
Signature(s) \_\_\_\_\_

---

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_  
\_\_\_\_\_ at (location) \_\_\_\_\_ on \_\_\_\_\_  
(date & time) \_\_\_\_\_ and that the statements in this block are correct.

Disposition of Sample \_\_\_\_\_. Seal(s) Intact: Yes  No  .  
Signature(s) \_\_\_\_\_



REPORT TO: Environmental Improvement Division  
Health & Environment Department  
Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968

LABORATORY \_\_\_\_\_

LAB NUMBER \_\_\_\_\_

1/9/85

OR 58A, B

ATTENTION: Steve Sares

BUREAU: Groundwater & Hazardous Waste

SLD Users Code No. 39500

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_

Water Supply and/or Code No. PNM PSMW3

City & County Albuquerque, Bernalillo

Collected (date & time) 8/01/09 0902 By (name) Steve Sares

pH= \_\_\_\_\_; Conductivity= \_\_\_\_\_ umho/cm at \_\_\_\_\_ °C; Chlorine Residual= \_\_\_\_\_

Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= 1.3 gpm

Sampling Location, Methods & Remarks (i.e. odors etc.)

Sample collected from PSMW#3 during pump test, 12 min. after pumping began.

(also 12.6 gallons from ...)

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Steve W Sares

I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory Hand Delivered

THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as: specimen 8509090255 duplicate 850109090255 triplicate \_\_\_\_\_; blank(s) \_\_\_\_\_, and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_, and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.

Containers are marked as follows to indicate preservation (circle):

NP: No preservation; sample stored at room temperature (~20°C).

P-ICE: Sample stored in an ice bath.

P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_ at (location) \_\_\_\_\_ on \_\_\_\_\_

(date & time) \_\_\_\_\_ and that the statements in this block are correct.

Disposition of Sample \_\_\_\_\_ Seal(s) Intact: Yes  No

Signature(s) \_\_\_\_\_

RECEIVED

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_ at (location) \_\_\_\_\_ on \_\_\_\_\_

(date & time) \_\_\_\_\_ and that the statements in this block are correct.

Disposition of Sample \_\_\_\_\_ Seal(s) Intact: Yes  No

Signature(s) \_\_\_\_\_

JUN 24 1985  
LIQUID WASTE/GROUND WATER SURVEILLANCE



REPORT TO: Environmental Improvement Division  
Health & Environment Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: David Boyer  
BUREAU: GW/HW

LABORATORY SLD Priority 2  
LAB NUMBER OR 498 A, B, C

SLD Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".



CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_  
Water Supply and/or Code No. PNM Person Station  
City & County ALB - Bernalillo  
Collected (date & time) 840410 1130 By (name) Lambert/CLAASSEN  
pH= 7.9; Conductivity= 650 umho/cm at 24 °C; Chlorine Residual= \_\_\_\_\_  
Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_  
Sampling Location, Methods & Remarks (i.e. odors etc.)  
PNM Person Sta. Mon. well PSMW-7A

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Kevin Lambert  
I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed Ann Claassen

Method of Shipment to Laboratory Hand Delivered  
THIS FORM ACCOMPANIES 3 septum vials with teflon-lined discs identified as:  
specimen 1; duplicate 1; triplicate 1; blank(s) \_\_\_\_\_,  
and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_,  
and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.  
Containers are marked as follows to indicate preservation (circle):  
NP: No preservation; sample stored at room temperature (~20°C).  
P-ICE: Sample stored in an ice bath.  
P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from Kevin Lambert to R Meyerhein on 4/10/84 4:50 pm at (location) SLD and that the statements in this block are correct.  
Disposition of Sample OK. Seal(s) Intact: Yes  No   
Signature(s) Kevin Lambert R Meyerhein

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_ on \_\_\_\_\_ at (location) RECEIVED and that the statements in this block are correct.  
Disposition of Sample \_\_\_\_\_. Seal(s) Intact: Yes  No   
Signature(s) \_\_\_\_\_

MAY 23 1984

GROUND WATER/HAZARDOUS WASTE  
BUREAU



ICAP SCREEN

Lab Number: NM 420

Sample Code: PSMW -6A

Date Submitted: 4/11/84

Date Reported: 6/19/84

By: Bayer

By: mJ

Determination

Concentration (µg/ml)

Aluminum	<u>&lt;0.10</u>
Barium	<u>0.11</u>
Beryllium	<u>&lt;0.10</u>
Boron	<u>0.27</u>
Cadmium	<u>&lt;0.10</u>
Calcium	<u>65.</u>
Chromium	<u>&lt;0.10</u>
Cobalt	<u>&lt;0.10</u>
Copper	<u>&lt;0.10</u>
Iron	<u>&lt;0.10</u>
Lead	<u>&lt;0.10</u>
Magnesium	<u>7.6</u>
Manganese	<u>&lt;0.10</u>
Molybdenum	<u>&lt;0.10</u>
Nickel	<u>&lt;0.10</u>
Silicon	<u>25.</u>
Silver	<u>&lt;0.10</u>
Strontium	<u>0.45</u>
Tin	<u>&lt;0.10</u>
Vanadium	<u>&lt;0.10</u>
Yttrium	<u>&lt;0.10</u>
Zinc	<u>&lt;0.10</u>

ATOMIC ABSORPTION ANALYSES

Arsenic <0.005 µg/ml

Selenium <0.005 µg/ml

Mercury <0.0005 µg/ml

REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: Dave Boyer

LAB NUMBER HM-420  
 DATE RECEIVED 4-11-84  
 DATE REPORTED 6/19/84 msp.  
 Initials

RECEIVED

JUN 22 1984

SLD USER CODE 59500

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

GROUND WATER/HAZARDOUS WASTE BUREAU

Sample Location PNM PERSON STATION

Lat/Long 0 1 " ; 0 1 " T R S

Station/Well Code PSMW-6A NPDES No. \_\_\_\_\_ Outfall No \_\_\_\_\_

Collected 840410 ~~4/19/80~~ By CCAASSEN/LAMBERT GW/HW  
 Date Time Name Unit

Pumping Conditions Boiled

Water Level 125.95' from MP N. 5' above surface pH (00400) 7.5

Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 700  $\mu$ mho

Control Structure \_\_\_\_\_ Water Temp (00010) 17  $^{\circ}$ C

Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho

Sample Type Grab

METAL ANALYSES

From NF, A-HNO <sub>3</sub> sample:	Date Analyzed	From F, A-HNO <sub>3</sub> sample:	Date Analyzed
<input type="checkbox"/> Arsenic, total	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Arsenic, dissolved	<u>&lt;5.0</u> $\mu$ g/l <u>4/26/84</u>
<input type="checkbox"/> Barium, total	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Barium, dissolved	_____ $\mu$ g/l
<input type="checkbox"/> Cadmium, total	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Cadmium, dissolved	_____ $\mu$ g/l
<input type="checkbox"/> Lead, total	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Lead, dissolved	_____ $\mu$ g/l
<input type="checkbox"/> Molybdenum, tot	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Molybdenum, diss	_____ $\mu$ g/l
<input type="checkbox"/> Selenium, total	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Selenium, diss	<u>&lt;5.0</u> $\mu$ g/l <u>4/19/84</u>
<input type="checkbox"/> Uranium, total	_____ $\mu$ g/l	<input type="checkbox"/> Uranium, diss	_____ $\mu$ g/l
<input type="checkbox"/> Vanadium, total	_____ $\mu$ g/l	<input type="checkbox"/> Vanadium, diss	_____ $\mu$ g/l
<input type="checkbox"/> Zinc, total	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Zinc, dissolved	_____ $\mu$ g/l

Remarks  ALUMINUM  
 CHROMIUM  
 IRON  
 MANGANESE

This form accompanies 1 sample(s) marked as follows to indicate field treatment (circle):

NF, A-HNO<sub>3</sub>: Whole sample; acidified with 5 ml conc HNO<sub>3</sub>/l

F, A-HNO<sub>3</sub>: Filtered sample (0.45  $\mu$ membrane filter); acidified with 5 ml conc HNO<sub>3</sub>/l

REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: Dave Boyer

LAB NUMBER WC-1591  
 DATE RECEIVED 4-11-84  
 DATE REPORTED 5/15/84  
 Initials

SLD USER CODE 59500

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location PNM PERSON STATION

Lat/Long 0° 00' 00" N ; 0° 00' 00" W

Station/Well Code PSMW-6A NPDES No \_\_\_\_\_ Outfall No \_\_\_\_\_

Collected 8/0/10 0920 By CAMERON/LAMBERT GW/HW  
 Date Time Name Unit

Pumping Conditions Bailed

Water Level 125.95' from MP 25' above surface pH (00400) 7.5

Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 700  $\mu$ mho

Control Structure \_\_\_\_\_ Water Temp (00010) 17  $^{\circ}$ C

Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho

Sample Type Grab

GENERAL WATER CHEMISTRY AND NITROGEN ANALYSES

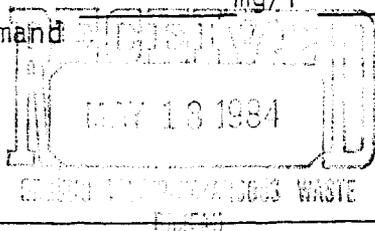
From NF, NA sample:

Date Analyzed

- Conductivity \_\_\_\_\_  $\mu$ mho
- (25 $^{\circ}$ C)(00095)
- Total \_\_\_\_\_ mg/l
- nonfilterable residue (suspended)(00530)

From NF, A-H<sub>2</sub>SO<sub>4</sub> sample:

- Nitrate + nitrite, total \_\_\_\_\_ mg/l
- (00630)
- Ammonia, total \_\_\_\_\_ mg/l
- (00610)
- Chemical oxygen demand \_\_\_\_\_ mg/l
- (00340)



FLUORIDE

From F, NA sample:

Date Analyzed

- Magnesium (00925) \_\_\_\_\_ mg/l
- Bicarbonate(00440) \_\_\_\_\_ mg/l
- Calcium (00915) \_\_\_\_\_ mg/l
- Chloride (00940) \_\_\_\_\_ mg/l
- Potassium (00935) \_\_\_\_\_ mg/l
- Sodium (00930) \_\_\_\_\_ mg/l
- Sulfate (00945) \_\_\_\_\_ mg/l
- Total filter-able residue (dissolved)(70300) \_\_\_\_\_ mg/l

Carbonate

From F, A-H<sub>2</sub>SO<sub>4</sub> sample:

- Nitrate + nitrite, dissolved \_\_\_\_\_ mg/l 4/18
- (00631)
- Ammonia, dissolved (00608) \_\_\_\_\_ mg/l 5/3
- Total ~~P-K-N~~ 1.09 \_\_\_\_\_ mg/l 5/13

This form accompanies 2 sample(s) marked as follows to indicate field treatment:

NF: Whole sample (no filtration) NA: No acid added

F: Filtered in field with 0.45 $\mu$ m membrane filter

A-H<sub>2</sub>SO<sub>4</sub>: Acidified with 2 ml conc H<sub>2</sub>SO<sub>4</sub>/l

Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 9600 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: Dave Boyer

DATE RECEIVED WC-1596 4/11/84  
 DATE REPORTED 5/28/84 CO  
 Initials

SLD USER CODE 59500

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location PNM PERSON STATION  
 Lat/Long 0° 0' 0" ; 0° 0' 0" T R S  
 Station/Well Code PSMWA-6A NPDES No \_\_\_\_\_ Outfall No \_\_\_\_\_  
 Collected 840410 0920 By CLANSON/LAMBERT GW/HW  
 Date Time Name Unit  
 Pumping Conditions Bailed  
 Water Level 125.95' from MP ~5' above surface pH (00400) 7.5  
 Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 700  $\mu$ mho  
 Control Structure \_\_\_\_\_ Water Temp (00010) 17  $^{\circ}$ C  
 Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho  
 Sample Type Grab

PSMWA-6A

GENERAL WATER CHEMISTRY AND NITROGEN ANALYSES

From NF, NA sample:

Conductivity \_\_\_\_\_  $\mu$ mho  
 (25 $^{\circ}$ C)(00095)  
 pH  
 Total \_\_\_\_\_ mg/l  
 nonfilterable  
 residue (suspended)(00530)

Date Analyzed

From NF, A-H<sub>2</sub>SO<sub>4</sub> sample:

Nitrate + nitrite, total (00630) \_\_\_\_\_ mg/l  
 Ammonia, total (00610) \_\_\_\_\_ mg/l  
 Chemical oxygen demand (00340) \_\_\_\_\_

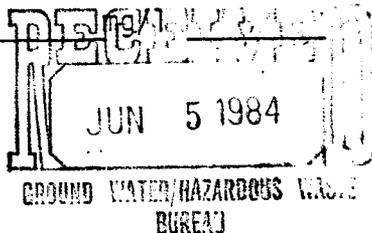
FLUORIDE 2.24 4/16 Date Analyzed

From F, NA sample:

Magnesium (00925) 6.3 mg/l 5/11  
 Bicarbonate(00440) 194.0 mg/l 5/16  
 Calcium (00915) 59.2 mg/l 5/11  
 Chloride (00940) 93.6 mg/l 4/27  
 Potassium (00935) 7.80 mg/l 5/2  
 Sodium (00930) 120 mg/l "  
 Sulfate (00945) 107.8 mg/l 5/2  
 Total filterable residue (dissolved)(70300) 516 mg/l 5/28  
 Carbonate 0 5/16

From F, A-H<sub>2</sub>SO<sub>4</sub> sample:

Nitrate + nitrite, dissolved (00631) \_\_\_\_\_ mg/l  
 Ammonia, dissolved (00608) \_\_\_\_\_ mg/l  
 Total B-K-N



This form accompanies 2 sample(s) marked as follows to indicate field treatment:

WF: Whole sample (no filtration) (NA) No acid added

F: Filtered in field with 0.45 $\mu$  membrane filter

4/11/84

OR 499A, B, C



REPORT TO: Environmental Improvement Division  
Health & Environment Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: David Boyer  
BUREAU: GW/HW

LABORATORY \_\_\_\_\_  
LAB NUMBER SLD Priority 2

SLD Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_  
Water Supply and/or Code No. PSM Person Station  
City & County ALB - BERNALILLO  
Collected (date & time) 8/4/84 9:25 By (name) Lambert/Classen  
pH= 7.5; Conductivity= 700 umho/cm at 17 °C; Chlorine Residual= \_\_\_\_\_  
Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_  
Sampling Location, Methods & Remarks (i.e. odors etc.)  
Person Station Well PSMW-6A

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Kevin Lambert  
I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed [Signature]

Method of Shipment to Laboratory Hand Delivered  
THIS FORM ACCOMPANIES 3 septum vials with teflon-lined discs identified as: specimen \_\_\_\_\_; duplicate 1; triplicate 1; blank(s) \_\_\_\_\_, and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_, and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.  
Containers are marked as follows to indicate preservation (circle):  
NP: No preservation; sample stored at room temperature (~20°C).  
P-ICE: Sample stored in an ice bath.  
P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from Kevin Lambert to R Meyerhein at (location) SLD on (date & time) 4/10/84 4:50 pm and that the statements in this block are correct.  
Disposition of Sample OK. Seal(s) Intact: Yes  No   
Signature(s) Kevin Lambert R Meyerhein

I (we) certify that this sample was transferred from RECEIVED to \_\_\_\_\_ at (location) \_\_\_\_\_ on (date & time) MAY 23 1984 and that the statements in this block are correct.  
Disposition of Sample \_\_\_\_\_. Seal(s) Intact: Yes  No   
Signature(s) \_\_\_\_\_

GROUND WATER/HAZARDOUS WASTE  
BUREAU

**ANALYSES REQUIRED**

LAB. NO.

499

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

Org 499

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREEN	QUALITATIVE	QUANTITATIVE	EXTRACTABLES SCREEN
<input type="checkbox"/>	<input type="checkbox"/>	AROMATIC HYDROCARBON SCREEN	<input type="checkbox"/>	<input type="checkbox"/>	CHLORINATED HYDROCARBON PESTICIDES
<input type="checkbox"/>	<input type="checkbox"/>	HALOGENATED HYDROCARBON SCREEN	<input type="checkbox"/>	<input type="checkbox"/>	CHLOROPHOXY ACID HERBICIDES
<input checked="" type="checkbox"/>	<input type="checkbox"/>	GAS CHROMATOGRAPH/MASS SPECTROMETER	<input type="checkbox"/>	<input type="checkbox"/>	HYDROCARBON FUEL SCREEN
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	ORGANOPHOSPHATE PESTICIDES
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	POLYCHLORINATED BIPHENYLS (PCB's)
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	POLYNUCLEAR AROMATIC HYDROCARBONS
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	SPECIFIC COMPOUNDS	<input type="checkbox"/>	<input type="checkbox"/>	SPECIFIC COMPOUNDS
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	

REMARKS:

**ANALYTICAL RESULTS**

COMPOUND	CONC-ENTRATION	COMPOUND	CONC-ENTRATION
1,1-dichloroethene	14 µg/l		
1,1,1-trichloroethane	5 µg/l		
Tetrachloroethene	20 µg/l		
		* DETECTION LIMIT	1 µg/l

REMARKS: No other purgeables detected.

**CERTIFICATE OF ANALYTICAL PERSONNEL**

Seal(s) Intact: Yes No . Seal(s) Broken by JFA date 4/26/84 .  
 I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.  
 Date(s) of analysis 4/26/84 . Analysts signature Jim DeBry  
 I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers Signature: R Meyer

ICAP - SCREEN

Lab Number: HM 422

Sample Code: PSMW-5A

Date Submitted: 4/11/84

Date Reported: 6/19/84

By: Boyer

By: ms

Determination

Concentration (µg/ml)

Aluminum	<u>&lt;0.10</u>
Barium	<u>0.18</u>
Beryllium	<u>&lt;0.10</u>
Boron	<u>0.31</u>
Cadmium	<u>&lt;0.10</u>
Calcium	<u>127.</u>
Chromium	<u>&lt;0.10</u>
Cobalt	<u>&lt;0.10</u>
Copper	<u>&lt;0.10</u>
Iron	<u>&lt;0.10</u>
Lead	<u>&lt;0.10</u>
Magnesium	<u>16.</u>
Manganese	<u>0.14</u>
Molybdenum	<u>&lt;0.10</u>
Nickel	<u>&lt;0.10</u>
Silicon	<u>25.</u>
Silver	<u>&lt;0.10</u>
Strontium	<u>0.70</u>
Tin	<u>&lt;0.10</u>
Vanadium	<u>&lt;0.10</u>
Yttrium	<u>&lt;0.10</u>
Zinc	<u>&lt;0.10</u>

ATOMIC ABSORPTION ANALYSES

Arsenic <0.005 µg/ml

Selenium <0.005 µg/ml

Mercury <0.0005 µg/ml

REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: DAVID BOYER

LAB NUMBER H.M. 422  
 DATE RECEIVED 4-11-84  
 DATE REPORTED 6/19/84 ML  
 Initials

RECEIVED

SLD-1407 code 52500

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

GROUND Sample Location

PNM Person Station

Lat/Long 0' 0" N; 0' 0" T R S  
 Station/Well Code PSMW-57A NPDES No. \_\_\_\_\_ Outfall No. \_\_\_\_\_

Collected 8404091200 By Boyer/ctac 6/19/84

Pumping Conditions

Water Level 146.67 pH (00400) 7.2  
 Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 890  $\mu$ mho  
 Control Structure \_\_\_\_\_ Water Temp (00010) 22  $^{\circ}$ C  
 Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho  
 Sample Type Grab

METAL ANALYSES

From NF, A-HNO<sub>3</sub> sample:

Date Analyzed

From F, A-HNO<sub>3</sub> sample:

Date Analyzed

- Arsenic, total \_\_\_\_\_  $\mu$ g/l
- Barium, total \_\_\_\_\_  $\mu$ g/l
- Cadmium, total \_\_\_\_\_  $\mu$ g/l
- Lead, total \_\_\_\_\_  $\mu$ g/l
- Molybdenum, tot \_\_\_\_\_  $\mu$ g/l
- Selenium, total \_\_\_\_\_  $\mu$ g/l
- Uranium, total \_\_\_\_\_  $\mu$ g/l
- Vanadium, total \_\_\_\_\_  $\mu$ g/l
- Zinc, total \_\_\_\_\_  $\mu$ g/l

- Arsenic, dissolved <5.0  $\mu$ g/l 4/26/84
- Barium, dissolved \_\_\_\_\_  $\mu$ g/l
- Cadmium, dissolved \_\_\_\_\_  $\mu$ g/l
- Lead, dissolved \_\_\_\_\_  $\mu$ g/l
- Molybdenum, diss \_\_\_\_\_  $\mu$ g/l
- Selenium, diss <5.0  $\mu$ g/l 4/19/84
- Uranium, diss \_\_\_\_\_  $\mu$ g/l
- Vanadium, diss \_\_\_\_\_  $\mu$ g/l
- Zinc, dissolved \_\_\_\_\_  $\mu$ g/l

Remarks

- Aluminum
- Chromium
- Iron
- Manganese

This form accompanies 1 sample(s) marked as follows to indicate field treatment (circle):

NF, A-HNO<sub>3</sub>: Whole sample; acidified with 5 ml conc HNO<sub>3</sub>/l

F, A-HNO<sub>3</sub>: Filtered sample (0.45  $\mu$ membrane filter); acidified with 5 ml conc HNO<sub>3</sub>/l

Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: DAVID Boyer

DATE RECEIVED WC-1593 4-11-84  
 DATE REPORTED 5/15/84  
 Initials

SLD user code 59500

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location PNM Person station

Lat/Long 0 ' " ; 0 ' " T R S

Station/Well Code PSMW-5A NPDES No \_\_\_\_\_ Outfall No \_\_\_\_\_

Collected 8404091200 By Boyer/claassen GW/HW  
 Date Time Name Unit

Pumping Conditions Bailed

Depth to Water Level 148.67 stall: 25 pH (00400) 7.2

Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 890  $\mu$ mho

Control Structure \_\_\_\_\_ Water Temp (00010) 22  $^{\circ}$ C

Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho

Sample Type Grab

GENERAL WATER CHEMISTRY AND NITROGEN ANALYSES

From FF NA sample: \_\_\_\_\_ Date Analyzed \_\_\_\_\_

Conductivity (25 $^{\circ}$ C) (00095) \_\_\_\_\_  $\mu$ mho

Total PH \_\_\_\_\_ mg/l

nonfilterable residue (suspended) (00530) \_\_\_\_\_ mg/l

From NF, A-H<sub>2</sub>SO<sub>4</sub> sample:

Nitrate + nitrite, total (00630) \_\_\_\_\_ mg/l

Ammonia, total (00610) \_\_\_\_\_ mg/l

Chemical oxygen demand (00340) \_\_\_\_\_ mg/l

Fluoride \_\_\_\_\_ Date Analyzed \_\_\_\_\_

From F, NA sample: \_\_\_\_\_

Magnesium (00925) \_\_\_\_\_ mg/l

Bicarbonate (00440) \_\_\_\_\_ mg/l

Calcium (00915) \_\_\_\_\_ mg/l

Chloride (00940) \_\_\_\_\_ mg/l

Potassium (00935) \_\_\_\_\_ mg/l

Sodium (00930) \_\_\_\_\_ mg/l

Sulfate (00945) \_\_\_\_\_ mg/l

Total filterable residue (dissolved) (70300) \_\_\_\_\_ mg/l

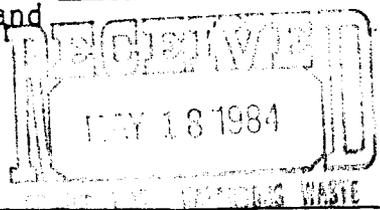
Carbonate

From F, A-H<sub>2</sub>SO<sub>4</sub> sample:

Nitrate + nitrite, dissolved (00631) 3.32 mg/l 4/8

Ammonia, dissolved (00608) 0.14 mg/l 5/8

Total Kj. N. 1.57 5/8



This form accompanies 2 sample(s) marked as follows to indicate field treatment:

FF: Whole sample (no filtration) NA: No acid added

F: Filtered in field with 0.45 $\mu$  membrane filter

F: Filtered in field with 2  $\mu$  membrane filter

REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: DAVID BOYER

LAB NUMBER WC-1598  
 DATE RECEIVED 4-11-84  
 DATE REPORTED 6/1/84 DB  
 Initials

SLD user code 59500

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location PNM Person station

Lat/Long 0 : " ; 0 : " T R S

Station/Well Code PSMW-5A NPDES No \_\_\_\_\_ Outfall No \_\_\_\_\_

Collected 8404091200 By Boyer/Claassen GW/HW  
 Date Time Name Unit

Pumping Conditions Bailed

Depth to Water Level 148.67 ft @ 11:25 pH (00400) 7.2

Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 890  $\mu$ mho

Control Structure \_\_\_\_\_ Water Temp (00010) 22  $^{\circ}$ C

Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho

Sample Type Grab

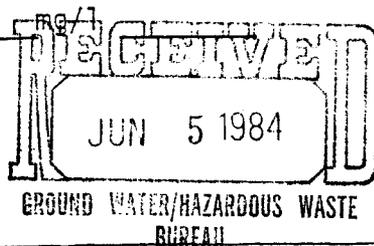
GENERAL WATER CHEMISTRY AND NITROGEN ANALYSES

From FF, NA sample: Date Analyzed \_\_\_\_\_  
 Conductivity \_\_\_\_\_  $\mu$ mho  
 (25 $^{\circ}$ C) (00095)  
 Total PH \_\_\_\_\_ mg/l  
 nonfilterable residue (suspended) (00530)

From NF, A-H<sub>2</sub>SO<sub>4</sub> sample:  
 Nitrate + nitrite, total (00630) \_\_\_\_\_ mg/l  
 Ammonia, total (00610) \_\_\_\_\_ mg/l  
 Chemical oxygen demand (00340) \_\_\_\_\_ mg/l

Fluoride 0.39 4/23 Date Analyzed  
 From F, NA sample:  
 Magnesium (00925) 14.2 mg/l 5/11  
 Bicarbonate (00440) 167.9 mg/l 5/17  
 Calcium (00915) 95.2 mg/l 5/11  
 Chloride (00940) 63.4 mg/l 4/27  
 Potassium (00935) 6.63 mg/l 5/2  
 Sodium (00930) 52.9 mg/l "  
 Sulfate (00945) 157.7 mg/l 5/2  
 Total filterable residue (dissolved) (70300) 0 5/17

From F, A-H<sub>2</sub>SO<sub>4</sub> sample:  
 Nitrate + nitrite, dissolved (00631) \_\_\_\_\_ mg/l  
 Ammonia, dissolved (00608) \_\_\_\_\_ mg/l  
 Total Kj. N. \_\_\_\_\_



This form accompanies 2 sample(s) marked as follows to indicate field treatment:

FF: Whole sample (no filtration) NA: No acid added

F: Filtered in field with 0.45  $\mu$ m membrane filter

A-H<sub>2</sub>SO<sub>4</sub>: Acidified with 2 ml conc H<sub>2</sub>SO<sub>4</sub>/l

84-0487-D

REPORT TO: Environmental Improvement Division  
Health & Environment Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: David Boyer  
BUREAU: Ground Water

LABORATORY  
LAB NUMBER SLD Priority #2  
ORG-487-A,B,C  
4/9/84  
SLD Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other  4/9/84

Water Supply and/or Code No. ~~PSMW-5-A~~ PSMW-5-A

City & County ALB PNM Person Station

Collected (date & time) 8404091500 By (name) Boyer/Classen

pH=     ; Conductivity=      umho/cm at      °C; Chlorine Residual=     

Dissolved Oxygen=      mg/l; Alkalinity=     ; Flow Rate=     

Sampling Location, Methods & Remarks (i.e. odors etc.)  
~~PSMW-5-A~~ PSMW-5-A correct sample number  
5/10/84 EBS 10 April 84

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David Boyer

I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed     

Method of Shipment to Laboratory Hand Delivered

THIS FORM ACCOMPANIES 3 septum vials with teflon-lined discs identified as:  
specimen X; duplicate X; triplicate X; blank(s)     ,  
and      amber glass jug(s) with teflon-lined cap(s) identified as     ,  
and      other container(s) (describe)      identified as     .

Containers are marked as follows to indicate preservation (circle):  
NP: No preservation; sample stored at room temperature (~20°C).  
P-ICE: Sample stored in an ice bath.  
P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from David Boyer to Edith B. Blush at (location) SLD - Spec. Rec on (date & time) 4:30 PM 4/9/84 and that the statements in this block are correct.

Disposition of Sample Tested. Seal(s) Intact: Yes  No

Signature(s) David Boyer

I (we) certify that this sample was transferred from Edith B. Blush to      at (location)      on (date & time) 4/10/84 and that the statements in this block are correct.

Disposition of Sample     . Seal(s) Intact: Yes  No

Signature(s)     

MAY 14 1984

GROUND WATER/HAZARDOUS WASTE  
BUREAU



ICAP SCREEN

Lab Number: NM 418

Sample Code: PSMW-4A

Date Submitted: 4/11/84

Date Reported: 6/19/84

By: Boyer

By: mj

Determination

Concentration (µg/ml)

Aluminum	<u>&lt;0.10</u>
Barium	<u>0.10</u>
Beryllium	<u>&lt;0.10</u>
Boron	<u>0.27</u>
Cadmium	<u>&lt;0.10</u>
Calcium	<u>118.</u>
Chromium	<u>&lt;0.10</u>
Cobalt	<u>&lt;0.10</u>
Copper	<u>&lt;0.10</u>
Iron	<u>&lt;0.10</u>
Lead	<u>&lt;0.10</u>
Magnesium	<u>16.</u>
Manganese	<u>0.84</u>
Molybdenum	<u>&lt;0.10</u>
Nickel	<u>&lt;0.10</u>
Silicon	<u>19.</u>
Silver	<u>&lt;0.10</u>
Strontium	<u>0.66</u>
Tin	<u>&lt;0.10</u>
Vanadium	<u>&lt;0.10</u>
Yttrium	<u>&lt;0.10</u>
Zinc	<u>&lt;0.10</u>

ATOMIC ABSORPTION ANALYSES

Arsenic <0.005 µg/ml

Selenium <0.005 µg/ml

Mercury <0.0005 µg/ml

REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: DAVID BOYER

LAB NUMBER HM-418  
 DATE RECEIVED 4/11/84  
 DATE REPORTED 6/19/84 Initials

RECEIVED

JUN 22 1984

signature 59500

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

GROUND WATER/HAZARDOUS WASTE BUREAU

Sample Location PNM Person Station

Lat/Long 0 1 " ; 0 1 " T R S

Station/Well Code PSMW-4A NPDES No.                      Outfall No.                     

Collected 8404091430 By Boyer/Clayton GW/HTU  
 Date Time Name Unit

Pumping Conditions Bailed  
 Depth Water Level 108.13 @ 9:45 AM pH (00400) 7.9

Staff Gage Height                      Conductivity (Uncorrected) 880  $\mu$ mho

Control Structure                      Water Temp (00010)                       $^{\circ}$ C

Discharge                      Conductivity at 25 $^{\circ}$ C (00094)                       $\mu$ mho

Sample Type Grab

METAL ANALYSES

From NF, A-HNO <sub>3</sub> sample:	Date Analyzed	From F, A-HNO <sub>3</sub> sample:	Date Analyzed
<input type="checkbox"/> Arsenic, total <u>                    </u> $\mu$ g/l	<u>                    </u>	<input checked="" type="checkbox"/> Arsenic, dissolved <u>&lt;5.0</u> $\mu$ g/l	<u>4/26/84</u>
<input type="checkbox"/> Barium, total <u>                    </u> $\mu$ g/l	<u>                    </u>	<input checked="" type="checkbox"/> Barium, dissolved <u>                    </u> $\mu$ g/l	<u>                    </u>
<input type="checkbox"/> Cadmium, total <u>                    </u> $\mu$ g/l	<u>                    </u>	<input checked="" type="checkbox"/> Cadmium, dissolved <u>                    </u> $\mu$ g/l	<u>                    </u>
<input type="checkbox"/> Lead, total <u>                    </u> $\mu$ g/l	<u>                    </u>	<input checked="" type="checkbox"/> Lead, dissolved <u>                    </u> $\mu$ g/l	<u>                    </u>
<input type="checkbox"/> Molybdenum, tot <u>                    </u> $\mu$ g/l	<u>                    </u>	<input checked="" type="checkbox"/> Molybdenum, diss <u>                    </u> $\mu$ g/l	<u>                    </u>
<input type="checkbox"/> Selenium, total <u>                    </u> $\mu$ g/l	<u>                    </u>	<input checked="" type="checkbox"/> Selenium, diss <u>&lt;5.0</u> $\mu$ g/l	<u>4/19/84</u>
<input type="checkbox"/> Uranium, total <u>                    </u> $\mu$ g/l	<u>                    </u>	<input type="checkbox"/> Uranium, diss <u>                    </u> $\mu$ g/l	<u>                    </u>
<input type="checkbox"/> Vanadium, total <u>                    </u> $\mu$ g/l	<u>                    </u>	<input type="checkbox"/> Vanadium, diss <u>                    </u> $\mu$ g/l	<u>                    </u>
<input type="checkbox"/> Zinc, total <u>                    </u> $\mu$ g/l	<u>                    </u>	<input checked="" type="checkbox"/> Zinc, dissolved <u>                    </u> $\mu$ g/l	<u>                    </u>

Remarks  Aluminum  
 Chromium  
 Iron  
 Manganese  
 } See attached ICAP Analysis

This form accompanies 1 sample(s) marked as follows to indicate field treatment (circle):

NF, A-HNO<sub>3</sub>: Whole sample; acidified with 5 ml conc HNO<sub>3</sub>/l

F, A-HNO<sub>3</sub>: Filtered sample (0.45 $\mu$ membrane filter); acidified with 5 ml conc HNO<sub>3</sub>/l



REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: DAVID ROYER

LAB NUMBER WC-1594  
 DATE RECEIVED 4/11/84  
 DATE REPORTED 6/1/84 Initials  
 sid usercode 59500

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location PNM Person Station

Lat/Long 0' 0" ; 0' 0" T R S

Station/Well Code PSMW-4A NPDES No            Outfall No           

Collected 8404091430 By Royer/Classen GW/HW  
 Date Time Name Unit

Pumping Conditions Bailed

Depth Water Level 108.13 @ 9:45 AM pH (00400) 7.9

Staff Gage Height            Conductivity (Uncorrected) 880  $\mu$ mho

Control Structure            Water Temp (00010)             $^{\circ}$ C

Discharge            Conductivity at 25 $^{\circ}$ C (00094)             $\mu$ mho

Sample Type Grab

GENERAL WATER CHEMISTRY AND NITROGEN ANALYSES

F  
 From NF, NA sample:

Conductivity             $\mu$ mho  
 (25 $^{\circ}$ C) (00095)

Total            mg/l  
 nonfilterable residue (suspended) (00530)

From NF, A-H<sub>2</sub>SO<sub>4</sub> sample:

Nitrate + nitrite, total            mg/l (00630)

Ammonia, total            mg/l (00610)

Chemical oxygen demand            mg/l (00340)

Fluoride 0.66 4/16 Date Analyzed

From F, NA sample:

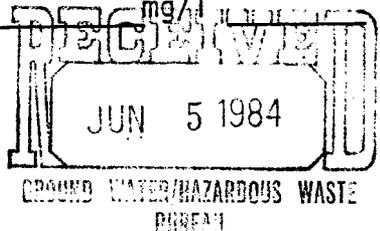
<input checked="" type="checkbox"/> Magnesium (00925)	<u>21.0</u>	mg/l	<u>5/11</u>
<input checked="" type="checkbox"/> Bicarbonate (00440)	<u>182.9</u>	mg/l	<u>5/16</u>
<input checked="" type="checkbox"/> Calcium (00915)	<u>96.8</u>	mg/l	<u>5/11</u>
<input checked="" type="checkbox"/> Chloride (00940)	<u>95.9</u>	mg/l	<u>9/4/27</u>
<input checked="" type="checkbox"/> Potassium (00935)	<u>10.9</u>	mg/l	<u>5/2</u>
<input checked="" type="checkbox"/> Sodium (00930)	<u>94.3</u>	mg/l	<u>"</u>
<input checked="" type="checkbox"/> Sulfate (00945)	<u>195.5</u>	mg/l	<u>5/2</u>
<input checked="" type="checkbox"/> Total filterable residue (dissolved) (70300)	<u>646</u>	mg/l	<u>5/28</u>
<input checked="" type="checkbox"/> Carbonate	<u>0</u>		<u>5/16</u>

From F, A-H<sub>2</sub>SO<sub>4</sub> sample:

Nitrate + nitrite, dissolved (00631)            mg/l

Ammonia, dissolved (00608)            mg/l

Total R, N           



This form accompanies 2 sample(s) marked as follows to indicate field treatment:

- NF: Whole sample (no filtration)
- F: Filtered in field with 0.45  $\mu$  membrane filter
- NA: No acid added

84-0488-D

REPORT TO: Environmental Improvement Division  
Health & Environment Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: David Boyer  
BUREAU: Ground Water

LABORATORY

LAB NUMBER

SLD Priority #2  
OR6-488-17, B.C

SLD Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_  
Water Supply and/or Code No. Person Station PNM  
City & County ALB - Bern  
Collected (date & time) 1430, 4/9/84 By (name) Boyer/Classen  
pH= \_\_\_\_\_; Conductivity= \_\_\_\_\_ umho/cm at \_\_\_\_\_ °C; Chlorine Residual= \_\_\_\_\_  
Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_  
Sampling Location, Methods & Remarks (i.e. odors etc.)  
Person Station Mon well-4A

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David Boyer  
I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed [Signature]

Method of Shipment to Laboratory Hand Delivered  
THIS FORM ACCOMPANIES 3 septum vials with teflon-lined discs identified as:  
specimen \_\_\_\_\_; duplicate \_\_\_\_\_; triplicate \_\_\_\_\_; blank(s) \_\_\_\_\_,  
and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_,  
and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.  
Containers are marked as follows to indicate preservation (circle):  
NP: No preservation; sample stored at room temperature (~20°C).  
P-ICE: Sample stored in an ice bath.  
P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from David Boyer to Edith B. Meisk at (location) SLD Spec. Sec. on (date & time) 4:30 P.M. 4/9/84 and that the statements in this block are correct.  
Disposition of Sample Transfer. Seal(s) Intact: Yes  No   
Signature(s) David Boyer

I (we) certify that this sample was transferred from Edith B. Meisk to \_\_\_\_\_ on (date & time) 4/10/84 and that the statements in this block are correct.  
Disposition of Sample MAY 14 1984. Seal(s) Intact: Yes  No   
Signature(s) \_\_\_\_\_



ICAP -SCREEN

Lab Number: NM 425

Sample Code: PSMW-3

Date Submitted: 4/11/84

Date Reported: 6/19/84

By: Boyer

By: MJ

Determination

Concentration (µg/ml)

Aluminum	<u>&lt;0.10</u>
Barium	<u>&lt;0.10</u>
Beryllium	<u>&lt;0.10</u>
Boron	<u>0.22</u>
Cadmium	<u>&lt;0.10</u>
Calcium	<u>123.</u>
Chromium	<u>&lt;0.10</u>
Cobalt	<u>&lt;0.10</u>
Copper	<u>&lt;0.10</u>
Iron	<u>&lt;0.10</u>
Lead	<u>&lt;0.10</u>
Magnesium	<u>15.</u>
Manganese	<u>&lt;0.10</u>
Molybdenum	<u>&lt;0.10</u>
Nickel	<u>&lt;0.10</u>
Silicon	<u>35.</u>
Silver	<u>&lt;0.10</u>
Strontium	<u>0.55</u>
Tin	<u>&lt;0.10</u>
Vanadium	<u>&lt;0.10</u>
Yttrium	<u>&lt;0.10</u>
Zinc	<u>&lt;0.10</u>

ATOMIC ABSORPTION ANALYSES

Arsenic <0.005  $\mu\text{g/ml}$

Selenium <0.005  $\mu\text{g/ml}$

Mercury <0.0005  $\mu\text{g/ml}$

REPORT TO:  
**RECEIVED**  
 JUN 22 1984

Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: David Boyer

LAB NUMBER H17 425  
 DATE RECEIVED 4/11/84  
 DATE REPORTED 6/19/84  
 Initials SLB user code 59680

GROUND WATER/HAZARDOUS WASTE  
 BUREAU

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location Person station PNM Man Well #3, PSMW-3

Lat/Long 0 1 " ; 0 1 " T R S

Station/Well Code \_\_\_\_\_ NPDES No. \_\_\_\_\_ Outfall No. \_\_\_\_\_

Collected 8/4/11 1400 By Boyer GWS  
 Date Time Name Unit

Pumping Conditions Barrel two casing volumes

Depth Water Level \_\_\_\_\_ pH (00400) 7.7

Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 1110  $\mu\text{mho}$

Control Structure \_\_\_\_\_ Water Temp (00010) 25°C  $^{\circ}\text{C}$

Discharge \_\_\_\_\_ Conductivity at 25°C (00094) \_\_\_\_\_  $\mu\text{mho}$

Sample Type Core

METAL ANALYSES

From NF, A-HNO <sub>3</sub> sample:	Date Analyzed	From F, A-HNO <sub>3</sub> sample:	Date Analyzed
<input type="checkbox"/> Arsenic, total	_____ $\mu\text{g/l}$	<input checked="" type="checkbox"/> Arsenic, dissolved	<u>&lt;5.0</u> $\mu\text{g/l}$ <u>5/7/84</u>
<input type="checkbox"/> Barium, total	_____ $\mu\text{g/l}$	<input checked="" type="checkbox"/> Barium, dissolved	_____ $\mu\text{g/l}$
<input type="checkbox"/> Cadmium, total	_____ $\mu\text{g/l}$	<input checked="" type="checkbox"/> Cadmium, dissolved	_____ $\mu\text{g/l}$
<input type="checkbox"/> Lead, total	_____ $\mu\text{g/l}$	<input checked="" type="checkbox"/> Lead, dissolved	_____ $\mu\text{g/l}$
<input type="checkbox"/> Molybdenum, tot	_____ $\mu\text{g/l}$	<input checked="" type="checkbox"/> Molybdenum, diss	_____ $\mu\text{g/l}$
<input type="checkbox"/> Selenium, total	_____ $\mu\text{g/l}$	<input checked="" type="checkbox"/> Selenium, diss	<u>&lt;5.0</u> $\mu\text{g/l}$ <u>5/11/84</u>
<input type="checkbox"/> Uranium, total	_____ $\mu\text{g/l}$	<input type="checkbox"/> Uranium, diss	_____ $\mu\text{g/l}$
<input type="checkbox"/> Vanadium, total	_____ $\mu\text{g/l}$	<input type="checkbox"/> Vanadium, diss	_____ $\mu\text{g/l}$
<input type="checkbox"/> Zinc, total	_____ $\mu\text{g/l}$	<input checked="" type="checkbox"/> Zinc, dissolved	_____ $\mu\text{g/l}$

Remarks  Aluminum ICAP Scan exception, As, Se  
 Chromium  
 Iron \* } See attached ICAP Analysis  
 Manganese

This form accompanies 1 sample(s) marked as follows to indicate field treatment (circle):

NF, A-HNO<sub>3</sub>: Whole sample; acidified with 5 ml conc HNO<sub>3</sub>/l

F, A-HNO<sub>3</sub>: Filtered sample (0.45  $\mu\text{m}$  membrane filter); acidified with 5 ml conc HNO<sub>3</sub>/l

REPORT TO: WATER POLLUTION CONTROL Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: DAVID BOYER

LAB NUMBER \_\_\_\_\_  
 DATE RECEIVED WC 1609-4-11-84  
 DATE REPORTED 5/15/84  
 Initials \_\_\_\_\_  
 SLD user code 59600

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

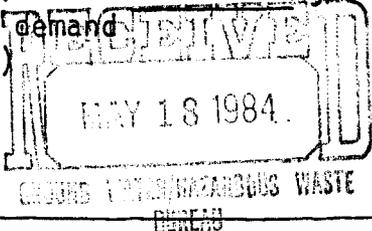
Sample Location Person station PNM Man Well #3, PSMW-3

Lat/Long \_\_\_\_\_  
 Station/Well Code 1400 NPDES No \_\_\_\_\_ Outfall No \_\_\_\_\_  
 Collected 840411 By Boyer GWS  
 Date Time Name Unit  
 Pumping Conditions Bailed two casing volumes  
 Depth Water Level \_\_\_\_\_ pH (00400) 7.7  
 Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 1110  $\mu$ mho  
 Control Structure \_\_\_\_\_ Water Temp (00010) 25°C °C  
 Discharge \_\_\_\_\_ Conductivity at 25°C (00094) \_\_\_\_\_  $\mu$ mho  
 Sample Type Combi

GENERAL WATER CHEMISTRY AND NITROGEN ANALYSES

From NF, F sample: Date Analyzed \_\_\_\_\_  
 Conductivity \_\_\_\_\_  $\mu$ mho  
 (25°C) (00095) \_\_\_\_\_  
 Total nonfilterable residue (suspended) (00530) \_\_\_\_\_ mg/l

From NF, A-H<sub>2</sub>SO<sub>4</sub> sample:  
 Nitrate + nitrite, total (00630) \_\_\_\_\_ mg/l  
 Ammonia, total (00610) \_\_\_\_\_ mg/l  
 Chemical oxygen demand (00340) \_\_\_\_\_ mg/l



From F, NA Fluoride sample: Date Analyzed \_\_\_\_\_  
 Magnesium (00925) \_\_\_\_\_ mg/l  
 Bicarbonate (00440) \_\_\_\_\_ mg/l  
 Calcium (00915) \_\_\_\_\_ mg/l  
 Chloride (00940) \_\_\_\_\_ mg/l  
 Potassium (00935) \_\_\_\_\_ mg/l  
 Sodium (00930) \_\_\_\_\_ mg/l  
 Sulfate (00945) \_\_\_\_\_ mg/l  
 Total filterable residue (dissolved) (70300) \_\_\_\_\_ mg/l

From F, A-H<sub>2</sub>SO<sub>4</sub> sample:  
 Nitrate + nitrite, dissolved (00631) 3.94 mg/l 4/18  
 Ammonia, dissolved (00608) 0.23 mg/l 5/8  
 Total Kjeld Nitr 1.02 5/13

This form accompanies 2 sample(s) marked as follows to indicate field treatment:

- F: Filtered in field with 0.45  $\mu$  membrane filter
- NA: No acid added
- NF: Whole sample (no filtration)



4/11/84  
OR 504A, B, C.



REPORT TO: Environmental Improvement Division  
Health & Environment Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: David Boyer  
BUREAU: Ground Water/Hazy Waste

LABORATORY \_\_\_\_\_  
LAB NUMBER SLD Priority 2  
SLD Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_

Water Supply and/or Code No. PNM Person Station PSMW-3A

City & County Albuquerque, Bern

Collected (date & time) 4/11/84 1400 By (name) Boyer

pH= 7.7; Conductivity= 1110 umho/cm at 25 °C; Chlorine Residual= \_\_\_\_\_

Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_

Sampling Location, Methods & Remarks (i.e. odors etc.)  
PNM Person Station Mon. Well #3, Bailed, collected after 2 casing volumes pulled No odor

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David H. Boyer

I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory Hands delivered

THIS FORM ACCOMPANIES 3 septum vials with teflon-lined discs identified as: specimen 1; duplicate 1; triplicate 1; blank(s) \_\_\_\_\_, and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_, and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.

Containers are marked as follows to indicate preservation (circle):  
 NP: No preservation; sample stored at room temperature (~20°C).  
 P-ICE: Sample stored in an ice bath.  
 P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_ at (location) \_\_\_\_\_ on \_\_\_\_\_ (date & time) \_\_\_\_\_ and that the statements in this block are correct.

Disposition of Sample \_\_\_\_\_ Seal(s) Intact: Yes  No

Signature(s) \_\_\_\_\_

---

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_ at (location) **RECEIVED** on \_\_\_\_\_ (date & time) \_\_\_\_\_ and that the statements in this block are correct.

Disposition of Sample \_\_\_\_\_ Seal(s) Intact: MAY 22 1984 Yes  No

Signature(s) \_\_\_\_\_

**ANALYSES REQUESTED**

LAB. NO. 504

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

*Org 504*

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREEN	QUALITATIVE	QUANTITATIVE	EXTRACTABLES SCREEN
<input type="checkbox"/>	<input type="checkbox"/>	AROMATIC HYDROCARBON SCREEN	<input type="checkbox"/>	<input type="checkbox"/>	CHLORINATED HYDROCARBON PESTICIDES
<input type="checkbox"/>	<input type="checkbox"/>	HALOGENATED HYDROCARBON SCREEN	<input type="checkbox"/>	<input type="checkbox"/>	CHLOROPHOXY ACID HERBICIDES
<input checked="" type="checkbox"/>	<input type="checkbox"/>	GAS CHROMATOGRAPH/MASS SPECTROMETER	<input type="checkbox"/>	<input type="checkbox"/>	HYDROCARBON FUEL SCREEN
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	ORGANOPHOSPHATE PESTICIDES
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	POLYCHLORINATED BIPHENYLS (PCB's)
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	POLYNUCLEAR AROMATIC HYDROCARBONS
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	SPECIFIC COMPOUNDS	<input type="checkbox"/>	<input type="checkbox"/>	SPECIFIC COMPOUNDS
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	

REMARKS:

**ANALYTICAL RESULTS**

COMPOUND	CONC-ENTRATION	COMPOUND	CONC-ENTRATION
<i>1,1-dichloroethane</i>	<i>2.00 µg/l</i>		
<i>1,1,1-Trichloroethane</i>	<i>790 µg/l</i>		
<i>Tetrachloroethane</i>	<i>150 µg/l</i>		
<i>Chloroform</i>	<i>6 µg/l</i>		
		* DETECTION LIMIT	<i>5 µg/l</i>

REMARKS: *No other purgeables detected.*

**CERTIFICATE OF ANALYTICAL PERSONNEL**

Seal(s) Intact: Yes No . Seal(s) Broken by JAH date 4/30/84; 5/15/84 .

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.

Date(s) of analysis 4/30/84; 4/15/84 . Analysts signature *Jim Ashby*

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers Signature: *R Meyer*

ICAP - SCREEN

Lab Number: NM 424

Sample Code: PSMW-2

Date Submitted: 4/11/84

Date Reported: 6/19/84

By: \_\_\_\_\_

By: mj

Determination

Concentration (µg/ml)

Aluminum	<u>&lt;0.10</u>
Barium	<u>&lt;0.10</u>
Beryllium	<u>&lt;0.10</u>
Boron	<u>0.21</u>
Cadmium	<u>&lt;0.10</u>
Calcium	<u>138.</u>
Chromium	<u>&lt;0.10</u>
Cobalt	<u>&lt;0.10</u>
Copper	<u>&lt;0.10</u>
Iron	<u>&lt;0.10</u>
Lead	<u>&lt;0.10</u>
Magnesium	<u>20.</u>
Manganese	<u>0.10</u>
Molybdenum	<u>&lt;0.10</u>
Nickel	<u>&lt;0.10</u>
Silicon	<u>28.</u>
Silver	<u>&lt;0.10</u>
Strontium	<u>0.82</u>
Tin	<u>&lt;0.10</u>
Vanadium	<u>&lt;0.10</u>
Yttrium	<u>&lt;0.10</u>
Zinc	<u>&lt;0.10</u>

ATOMIC ABSORPTION ANALYSES

Arsenic <0.005  $\mu\text{g/ml}$

Selenium 0.006  $\mu\text{g/ml}$

Mercury <0.0005  $\mu\text{g/ml}$

REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: DADIE Boyer

LAB NUMBER HM 424  
 DATE RECEIVED 4/11/84  
 DATE REPORTED 6/19/84 dnf.

Initials  
SLD user code 59600

RECEIVED

JUN 22 1984

GROUND WATER/WATER OR WASTE WATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location Person Station PNM Maxwell, PSMW-2

Lat/Long 0' 0" ; 0' 0" T R S

Station/Well Code \_\_\_\_\_ NPDES No. \_\_\_\_\_ Outfall No. \_\_\_\_\_

Collected 8404110900 By Boyer GWS  
 Date Time Name Unit

Pumping Conditions Bailed two casing volumes

Depth/Water Level 108.40 from top of 2" pipe pH (00400) 7.1

Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 1020  $\mu$ mho

Control Structure \_\_\_\_\_ Water Temp (00010) 24  $^{\circ}$ C

Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho

Sample Type Grab

METAL ANALYSES

From NF, A-HNO <sub>3</sub> sample:	Date Analyzed	From F, A-HNO <sub>3</sub> sample:	Date Analyzed
<input type="checkbox"/> Arsenic, total _____ $\mu$ g/l	_____	<input checked="" type="checkbox"/> Arsenic, dissolved <u>45.0</u> $\mu$ g/l	<u>5/4/84</u>
<input type="checkbox"/> Barium, total _____ $\mu$ g/l	_____	<input checked="" type="checkbox"/> Barium, dissolved _____ $\mu$ g/l	_____
<input type="checkbox"/> Cadmium, total _____ $\mu$ g/l	_____	<input checked="" type="checkbox"/> Cadmium, dissolved _____ $\mu$ g/l	_____
<input type="checkbox"/> Lead, total _____ $\mu$ g/l	_____	<input checked="" type="checkbox"/> Lead, dissolved _____ $\mu$ g/l	_____
<input type="checkbox"/> Molybdenum, tot _____ $\mu$ g/l	_____	<input checked="" type="checkbox"/> Molybdenum, diss _____ $\mu$ g/l	_____
<input type="checkbox"/> Selenium, total _____ $\mu$ g/l	_____	<input checked="" type="checkbox"/> Selenium, diss <u>6.0</u> $\mu$ g/l	<u>5/11/84</u>
<input type="checkbox"/> Uranium, total _____ $\mu$ g/l	_____	<input type="checkbox"/> Uranium, diss _____ $\mu$ g/l	_____
<input type="checkbox"/> Vanadium, total _____ $\mu$ g/l	_____	<input type="checkbox"/> Vanadium, diss _____ $\mu$ g/l	_____
<input type="checkbox"/> Zinc, total _____ $\mu$ g/l	_____	<input checked="" type="checkbox"/> Zinc, dissolved _____ $\mu$ g/l	_____

Remarks ICAP scan except for As, Se  
 Aluminum  
 Chromium  
 Iron  
 Manganese

This form accompanies 1 sample(s) marked as follows to indicate field treatment (circle):  
 NF, A-HNO<sub>3</sub>: Whole sample; acidified with 5 ml conc HNO<sub>3</sub>/l  
 F, A-HNO<sub>3</sub>: Filtered sample (0.45  $\mu$  membrane filter); acidified with 5 ml conc HNO<sub>3</sub>/l

REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: DAVID Boyer

LAB NUMBER \_\_\_\_\_  
 DATE RECEIVED W.C. 11/20/84 - 4-11-84  
 DATE REPORTED 5/15/84  
 Initials \_\_\_\_\_  
 SLB user code 59600

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location Person Station PNM Man Well PSMW-2

Lat/Long 0' 0" ; 0' 0" T R S

Station/Well Code \_\_\_\_\_ NPDES No \_\_\_\_\_ Outfall No \_\_\_\_\_

Collected 8/11/09 00 By Boyer  
 Date Time Name Unit

Pumping Conditions Railed two casing volumes

Depth Water Level 108.40 from top of 2" pipe pH (00400) 7.1

Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 1020  $\mu$ mho

Control Structure \_\_\_\_\_ Water Temp (00010) 24  $^{\circ}$ C

Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho

Sample Type Grab

GENERAL WATER CHEMISTRY AND NITROGEN ANALYSES

From F, NA sample: Fluoride  
 Date Analyzed \_\_\_\_\_

Conductivity \_\_\_\_\_  $\mu$ mho  
 (25 $^{\circ}$ C)(00095)

Total DH \_\_\_\_\_ mg/l  
 nonfilterable residue (suspended)(00530)

From NF, A-H<sub>2</sub>SO<sub>4</sub> sample:

Nitrate + nitrite, total \_\_\_\_\_ mg/l  
 (00630)

Ammonia, total \_\_\_\_\_ mg/l  
 (00610)

Chemical oxygen demand \_\_\_\_\_ mg/l  
 (00340)

From F, NA sample: Fluoride  
 Date Analyzed \_\_\_\_\_

Magnesium (00925) \_\_\_\_\_ mg/l

Bicarbonate(00440) \_\_\_\_\_ mg/l

Calcium (00915) \_\_\_\_\_ mg/l

Chloride (00940) \_\_\_\_\_ mg/l

Potassium (00935) \_\_\_\_\_ mg/l

Sodium (00930) \_\_\_\_\_ mg/l

Sulfate (00945) \_\_\_\_\_ mg/l

Total filterable residue (dissolved)(70300) \_\_\_\_\_

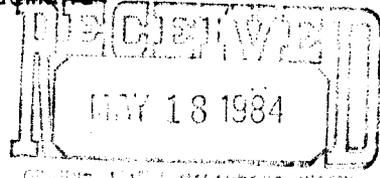
Carbonate

From F, A-H<sub>2</sub>SO<sub>4</sub> sample:

Nitrate + nitrite, dissolved \_\_\_\_\_ mg/l 4/19  
 (00631) 12.2

Ammonia, dissolved (00608) \_\_\_\_\_ mg/l 5/8  
0.05

Total Kj. Nitr. 0.84 5/13



This form accompanies 2 sample(s) marked as follows to indicate field treatment:

- (NF) Whole sample (no filtration)
- (E) Filtered in field with 0.45  $\mu$  membrane filter
- (NA) No acid added

REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: DAVID BOYER

LAB NUMBER WC-1607  
 DATE RECEIVED 4-11-84  
 DATE REPORTED 6/1/84 Initials BO  
 SLR user code 59600

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location Person Station PNM Man Well PSMW-2

Lat/Long 0 : " ; 0 ' " T R S

Station/Well Code \_\_\_\_\_ NPDES No \_\_\_\_\_ Outfall No \_\_\_\_\_

Collected 8/11/0900 By Boyer Date Time Name Unit

Pumping Conditions Railed two casing volumes

Water Level 108.40 from top of pipe pH (00400) 7.1

Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 1020  $\mu$ mho

Control Structure \_\_\_\_\_ Water Temp (00010) 24  $^{\circ}$ C

Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho

Sample Type Grab

GENERAL WATER CHEMISTRY AND NITROGEN ANALYSES

From F, NA sample: Date Analyzed \_\_\_\_\_

Conductivity \_\_\_\_\_  $\mu$ mho (25 $^{\circ}$ C)(00095)

Total PH \_\_\_\_\_ mg/l nonfilterable residue (suspended)(00530)

From NF, A-H<sub>2</sub>SO<sub>4</sub> sample:

Nitrate + nitrite, total (00630) \_\_\_\_\_ mg/l

Ammonia, total (00610) \_\_\_\_\_ mg/l

Chemical oxygen demand (00340) \_\_\_\_\_

From F, NA sample: Date Analyzed \_\_\_\_\_

Fluoride 0.49

Magnesium (00925) 18.5 mg/l 5/16

Bicarbonate(00440) \_\_\_\_\_ mg/l

Calcium (00915) 117.6 mg/l 5/16

Chloride (00940) 84.1 mg/l 4/27

Potassium (00935) 8.58 mg/l 5/2

Sodium (00930) 104 mg/l "

Sulfate (00945) 271.0 mg/l 5/2

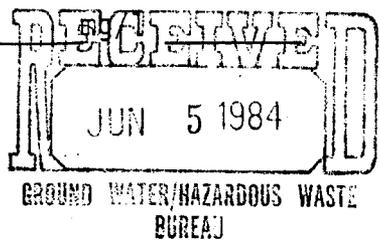
Total filterable residue (dissolved)(70300) 0 5/17

From F, A-H<sub>2</sub>SO<sub>4</sub> sample:

Nitrate + nitrite, dissolved (00631) \_\_\_\_\_ mg/l

Ammonia, dissolved (00608) \_\_\_\_\_ mg/l

Total Kj. Nitr. \_\_\_\_\_



This form accompanies 2 sample(s) marked as follows to indicate field treatment:

- NF: Whole sample (no filtration)
- NA: No acid added
- F: Filtered in field with 0.45  $\mu$  membrane filter
- H<sub>2</sub>SO<sub>4</sub>: Acidified with 2 ml conc H<sub>2</sub>SO<sub>4</sub>

84-0503 -D

4/11/84  
OR 503 A, B, C

REPORT TO: Environmental Improvement Division  
Health & Environment Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: DAVID BOYER  
BUREAU: Ground Water/Haz Waste

LABORATORY SLD Priority 2  
LAB NUMBER \_\_\_\_\_



SLD Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_  
Water Supply and/or Code No. Person Station PNM PSMW-2A  
City & County Albuquerque Bernal  
Collected (date & time) 4/11/84 10:00 By (name) Boyer  
pH= 7.1; Conductivity= 1024 umho/cm at 24 °C; Chlorine Residual= \_\_\_\_\_  
Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_  
Sampling Location, Methods & Remarks (i.e. odors etc.)

PNM Person Station Mon Well #2; Bailed, collected after 2 casing volumes pulled no odor

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David Boyer  
I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory Hand delivered  
THIS FORM ACCOMPANIES 3 septum vials with teflon-lined discs identified as:  
specimen 1; duplicate 1; triplicate 1; blank(s) \_\_\_\_\_,  
and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_,  
and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.

Containers are marked as follows to indicate preservation (circle):  
NP: No preservation; sample stored at room temperature (~20°C).  
P-ICE: Sample stored in an ice bath.  
P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_  
at (location) \_\_\_\_\_ on \_\_\_\_\_  
(date & time) \_\_\_\_\_ and that the statements in this block are correct.  
Disposition of Sample \_\_\_\_\_. Seal(s) Intact: Yes  No .  
Signature(s) \_\_\_\_\_

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_  
at (location) RECEIVED on \_\_\_\_\_  
(date & time) \_\_\_\_\_ and that the statements in this block are correct.  
Disposition of Sample \_\_\_\_\_. Seal(s) Intact: Yes  No .  
Signature(s) \_\_\_\_\_

**ANALYSES REQUESTED**

LAB. NO. 503

*orig 503*

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREEN	QUALITATIVE	QUANTITATIVE	EXTRACTABLES SCREEN
<input type="checkbox"/>	<input type="checkbox"/>	AROMATIC HYDROCARBON SCREEN	<input type="checkbox"/>	<input type="checkbox"/>	CHLORINATED HYDROCARBON PESTICIDES
<input type="checkbox"/>	<input type="checkbox"/>	HALOGENATED HYDROCARBON SCREEN	<input type="checkbox"/>	<input type="checkbox"/>	CHLOROPHENOXY ACID HERBICIDES
<input checked="" type="checkbox"/>	<input type="checkbox"/>	GAS CHROMATOGRAPH/MASS SPECTROMETER	<input type="checkbox"/>	<input type="checkbox"/>	HYDROCARBON FUEL SCREEN
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	ORGANOPHOSPHATE PESTICIDES
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	POLYCHLORINATED BIPHENYLS (PCB's)
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	POLYNUCLEAR AROMATIC HYDROCARBONS
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	SPECIFIC COMPOUNDS	<input type="checkbox"/>	<input type="checkbox"/>	SPECIFIC COMPOUNDS
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	

REMARKS:

**ANALYTICAL RESULTS**

COMPOUND	CONC-ENTRATION	COMPOUND	CONC-ENTRATION
<i>1,1-dichloroethene</i>	<i>1200 µg/l</i>		
<i>1,1,1-Trichloroethane</i>	<i>10300 µg/l</i>		
<i>Tetrachloroethene</i>	<i>2100 µg/l</i>		
<i>CHLORO form</i>	<i>2 µg/l</i>		
<i>Dichloromethane</i>	<i>80 µg/l</i>		
		* DETECTION LIMIT	<i>20 µg/l</i>

REMARKS: *No other purgeables detected.*

**CERTIFICATE OF ANALYTICAL PERSONNEL**

Seal(s) Intact: Yes No . Seal(s) Broken by JFA date 4/30/84; 5/16/84.  
 I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.  
 Date(s) of analysis 4/27/84, 4/30/84, 5/16/84. Analysts signature Jim Ashby  
 I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers Signature: R Meyerheim  
PSMW-2A

ICAP - SCREEN

Lab Number: NM 419

Sample Code: PSMW - IA

Date Submitted: 4/11/84

Date Reported: 6/19/84

By: Bayer

By: mJ

Determination

Concentration (µg/ml)

Aluminum	<u>&lt;0.10</u>
Barium	<u>&lt;0.10</u>
Beryllium	<u>&lt;0.10</u>
Boron	<u>0.34</u>
Cadmium	<u>&lt;0.10</u>
Calcium	<u>250.</u>
Chromium	<u>&lt;0.10</u>
Cobalt	<u>&lt;0.10</u>
Copper	<u>&lt;0.10</u>
Iron	<u>&lt;0.10</u>
Lead	<u>&lt;0.10</u>
Magnesium	<u>33.</u>
Manganese	<u>&lt;0.10</u>
Molybdenum	<u>&lt;0.10</u>
Nickel	<u>&lt;0.10</u>
Silicon	<u>31.</u>
Silver	<u>&lt;0.10</u>
Strontium	<u>1.3</u>
Tin	<u>&lt;0.10</u>
Vanadium	<u>&lt;0.10</u>
Yttrium	<u>&lt;0.10</u>
Zinc	<u>&lt;0.10</u>

ATOMIC ABSORPTION ANALYSES

Arsenic <0.005  $\mu\text{g/ml}$

Selenium 0.033  $\mu\text{g/ml}$

Mercury <0.0005  $\mu\text{g/ml}$

REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503

LAB NUMBER PNM-419  
 DATE RECEIVED 4-11-84  
 DATE REPORTED 6/19/84 Initials

RECEIVED

ATTENTION: Dave Boyer

GROUND WATER/HAZARDOUS WASTE

SLO USER CODE 59500

BUREAU WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location PNM PERSON STATION

Lat/Long 0 1 " ; 0 1 " T R S

Station/Well Code PSMW-1A NPDES No. \_\_\_\_\_ Outfall No. \_\_\_\_\_

Collected 840410 1345 By LAMBERT/CLAASSEN GW/HW  
 Date Time Name Unit

Pumping Conditions Boiled

Water Level 112.54' from MP ~0.5' above surface pH (00400) 7.7

Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 1500  $\mu$ mho

Control Structure \_\_\_\_\_ Water Temp (00010) 20  $^{\circ}$ C

Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho

Sample Type Grab

METAL ANALYSES

From NF, A-HNO <sub>3</sub> sample:	Date Analyzed	From F, A-HNO <sub>3</sub> sample:	Date Analyzed
<input type="checkbox"/> Arsenic, total	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Arsenic, dissolved	<u>&lt;5.0</u> $\mu$ g/l <u>4/26/84</u>
<input type="checkbox"/> Barium, total	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Barium, dissolved	_____ $\mu$ g/l
<input type="checkbox"/> Cadmium, total	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Cadmium, dissolved	_____ $\mu$ g/l
<input type="checkbox"/> Lead, total	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Lead, dissolved	_____ $\mu$ g/l
<input type="checkbox"/> Molybdenum, tot	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Molybdenum, diss	_____ $\mu$ g/l
<input type="checkbox"/> Selenium, total	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Selenium, diss	<u>33.</u> $\mu$ g/l <u>4/27/84</u>
<input type="checkbox"/> Uranium, total	_____ $\mu$ g/l	<input type="checkbox"/> Uranium, diss	_____ $\mu$ g/l
<input type="checkbox"/> Vanadium, total	_____ $\mu$ g/l	<input type="checkbox"/> Vanadium, diss	_____ $\mu$ g/l
<input type="checkbox"/> Zinc, total	_____ $\mu$ g/l	<input checked="" type="checkbox"/> Zinc, dissolved	_____ $\mu$ g/l

Remarks  ALUMINUM  
 CHROMIUM  
 IRON  
 MANGANESE

This form accompanies 1 sample(s) marked as follows to indicate field treatment (circle):

NF, A-HNO<sub>3</sub>: Whole sample; acidified with 5 ml conc HNO<sub>3</sub>/l

F, A-HNO<sub>3</sub>: Filtered sample (0.45  $\mu$ m membrane filter); acidified with 5 ml conc HNO<sub>3</sub>/l

Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 965 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: Dave Boyer

DATE RECEIVED WR-1590 4-11-84  
 DATE REPORTED 3/15/84  
 Initials

SLD USER CODE 59500

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location PNM PERSON STATION

Lat/Long 0' 0" ; 0' 0" T R S

Station/Well Code PSMW-2A NPDES No \_\_\_\_\_ Outfall No \_\_\_\_\_

Collected 840410 1345 By CAMBERT/CLAASSEN GW/NW  
 Date Time Name Unit

Pumping Conditions Bailed

Water Level 112.54' from MP No 5' above surface pH (00400) 7.7

Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 1500  $\mu$ mho

Control Structure \_\_\_\_\_ Water Temp (00010) 20  $^{\circ}$ C

Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho

Sample Type Grab

GENERAL WATER CHEMISTRY AND NITROGEN ANALYSES

From NF, NA sample: Date Analyzed

Conductivity \_\_\_\_\_  $\mu$ mho  
 (25 $^{\circ}$ C)(00095)

PH  
 Total nonfilterable residue (suspended)(00530) \_\_\_\_\_ mg/l

From NF, A-H<sub>2</sub>SO<sub>4</sub> sample:

Nitrate + nitrite, total (00630) \_\_\_\_\_ mg/l

Ammonia, total (00610) \_\_\_\_\_ mg/l

Chemical oxygen demand (00340) \_\_\_\_\_ mg/l

FLUORIDE Date Analyzed

From F, NA sample:

Magnesium (00925) \_\_\_\_\_ mg/l

Bicarbonate(00440) \_\_\_\_\_ mg/l

Calcium (00915) \_\_\_\_\_ mg/l

Chloride (00940) \_\_\_\_\_ mg/l

Potassium (00935) \_\_\_\_\_ mg/l

Sodium (00930) \_\_\_\_\_ mg/l

Sulfate (00945) \_\_\_\_\_ mg/l

Total filterable residue (dissolved)(70300) \_\_\_\_\_ mg/l

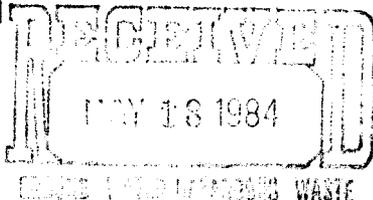
CARBONATE

From F, A-H<sub>2</sub>SO<sub>4</sub> sample:

Nitrate + nitrite, dissolved (00631) 17.8 mg/l 4/19

Ammonia, dissolved (00608) 0.19 mg/l 5/8

Total K-N 0.89 5/13



This form accompanies 2 sample(s) marked as follows to indicate field treatment:

NF: Whole sample (no filtration) NA: No acid added

F: Filtered in field with 0.45  $\mu$  membrane filter

A-H<sub>2</sub>SO<sub>4</sub>: Filtered in field with 2 ml conc H<sub>2</sub>SO<sub>4</sub> / l

REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: Dave Boyer

LAB NUMBER WIC - 1595  
 DATE RECEIVED 4-11-84  
 DATE REPORTED 5/28/84  
 Initials [Signature]

SLD USER CODE 59500

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location PNM PERSON STATION

Lat/Long 0 : " ; 0 : " T R S

Station/Well Code PSMW-1A NPDES No \_\_\_\_\_ Outfall No \_\_\_\_\_

Collected 840410 1345 By CAMBERT/CLAASSEN GW/NW  
 Date Time Name Unit

Pumping Conditions Bailed

Water Level 112.54' from MP No 5' above surface pH (00400) 7.7

Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 1500  $\mu$ mho

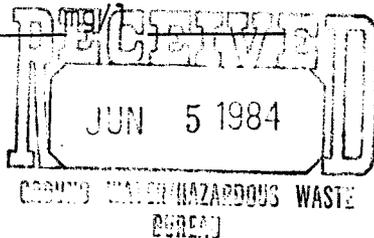
Control Structure \_\_\_\_\_ Water Temp (00010) 20  $^{\circ}$ C

Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho

Sample Type Grab

GENERAL WATER CHEMISTRY AND NITROGEN ANALYSES

From NF, NA sample:	Date Analyzed	<input checked="" type="checkbox"/> FLUORIDE	<u>0.53</u>	<u>4/16</u>	Date Analyzed
<input checked="" type="checkbox"/> Conductivity (25 $^{\circ}$ C)(00095)	_____ $\mu$ mho	From F, NA sample:	<input checked="" type="checkbox"/> Magnesium (00925)	<u>33.7</u> mg/l	<u>5/1</u>
<input checked="" type="checkbox"/> Total nonfilterable residue (suspended)(00530)	_____ mg/l	<input checked="" type="checkbox"/> Bicarbonate(00440)	<u>170.8</u> mg/l	<u>5/16</u>	
From NF, A-H <sub>2</sub> SO <sub>4</sub> sample:		<input checked="" type="checkbox"/> Calcium (00915)	<u>203.8</u> mg/l	<u>5/1</u>	
<input type="checkbox"/> Nitrate + nitrite, total (00630)	_____ mg/l	<input checked="" type="checkbox"/> Chloride (00940)	<u>142.5</u> mg/l	<u>4/27</u>	
<input type="checkbox"/> Ammonia, total (00610)	_____ mg/l	<input checked="" type="checkbox"/> Potassium (00935)	<u>10.5</u> mg/l	<u>5/2</u>	
<input type="checkbox"/> Chemical oxygen demand (00340)	_____ mg/l	<input checked="" type="checkbox"/> Sodium (00930)	<u>136</u> mg/l	"	
		<input checked="" type="checkbox"/> Sulfate (00945)	<u>500.1</u> mg/l	<u>5/2</u>	
		<input checked="" type="checkbox"/> Total filterable residue (dissolved)(70300)	<u>1274</u> mg/l	<u>5/31</u>	
		<input checked="" type="checkbox"/> CARBONATE	<u>0</u>	<u>5/16</u>	
		From F, A-H <sub>2</sub> SO <sub>4</sub> sample:			
		<input checked="" type="checkbox"/> Nitrate + nitrite, dissolved (00631)	_____ mg/l		
		<input checked="" type="checkbox"/> Ammonia, dissolved (00608)	_____ mg/l		
		<input checked="" type="checkbox"/> Total K-N	_____		



This form accompanies 2 sample(s) marked as follows to indicate field treatment:

NF: Whole sample (no filtration) NA: No acid added

F: Filtered in field with 0.45 $\mu$  membrane filter

A-H<sub>2</sub>SO<sub>4</sub>: Acidified with 2 ml conc H<sub>2</sub>SO<sub>4</sub> / l

84-0500-D

4/11/84  
CR 500A, B, C

REPORT TO: Environmental Improvement Division  
Health & Environment Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: David Boyer  
BUREAU: GW + HW

LABORATORY \_\_\_\_\_  
LAB NUMBER SLD Priority 2

SLD Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".



CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_  
Water Supply and/or Code No. PNM/Person Station  
City & County ALB + BERNALILLO  
Collected (date & time) 840410 1345 By (name) Lambert/CLAASSEN  
pH= 7.7; Conductivity= 1500 umho/cm at 20 °C; Chlorine Residual= \_\_\_\_\_  
Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_  
Sampling Location, Methods & Remarks (i.e. odors etc.)  
Person Sta. Mon. Well - 1A

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Kevin Lambert  
I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed Jim Meyerheim

Method of Shipment to Laboratory HAND DELIVERED  
THIS FORM ACCOMPANIES 3 septum vials with teflon-lined discs identified as:  
specimen 1; duplicate 1; triplicate 1; blank(s) \_\_\_\_\_,  
and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_,  
and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.  
Containers are marked as follows to indicate preservation (circle):  
NP: No preservation; sample stored at room temperature (~20°C).  
P-ICE: Sample stored in an ice bath.  
P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from Kevin Lambert to R Meyerheim at (location) SLD on (date & time) 4/10/84 4:50 pm and that the statements in this block are correct.  
Disposition of Sample OK Seal(s) Intact: Yes  No   
Signature(s) Kevin Lambert R Meyerheim

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_ at (location) RECEIVED on (date & time) \_\_\_\_\_ and that the statements in this block are correct.  
Disposition of Sample \_\_\_\_\_ Seal(s) Intact: Yes  No   
Signature(s) \_\_\_\_\_

MAY 23 1984



Monitoring Wells

REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: David Boyer

LAB NUMBER: W-1291  
 DATE RECEIVED: 4-11-84  
 DATE REPORTED: 6/1/84 CD  
 Initials

SLD User Code 59500

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location PNM - PERSON STATION

Lat/Long 0 ' " ; 0 ' " T R S

Station/Well Code PSMW-7A NPDES No \_\_\_\_\_ Outfall No \_\_\_\_\_

Collected 840410 1130 By Lambert / CLAASSEN GW-HW  
 Date Time Name Unit

Pumping Conditions Bailed

Depth to Water Level 91.55 ft @ 1110 pH (00400) 7.9

Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 650  $\mu$ mho

Control Structure \_\_\_\_\_ Water Temp (00010) 24  $^{\circ}$ C

Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho

Sample Type Grab

GENERAL WATER CHEMISTRY AND NITROGEN ANALYSES

From F NA sample: Date Analyzed \_\_\_\_\_

- Conductivity \_\_\_\_\_  $\mu$ mho
- (25 $^{\circ}$ C) (00095) \_\_\_\_\_
- Total nonfilterable residue (suspended) (00530) \_\_\_\_\_ mg/l

From NF, A-H<sub>2</sub>SO<sub>4</sub> sample:

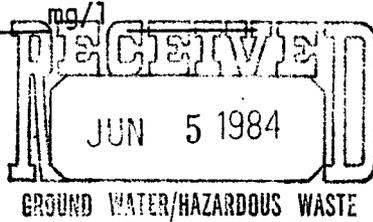
- Nitrate + nitrite, total (00630) \_\_\_\_\_ mg/l
- Ammonia, total (00610) \_\_\_\_\_ mg/l
- Chemical oxygen demand (00340) \_\_\_\_\_ mg/l

From F, NA sample: Date Analyzed \_\_\_\_\_

- Fluoride 0.87 4/23
- Magnesium (00925) 10.7 mg/l 5/11
- Bicarbonate (00440) 199.0 mg/l 5/17
- Calcium (00915) 56.0 mg/l 5/11
- Chloride (00940) 50.2 mg/l 4/27
- Potassium (00935) 8.97 mg/l 5/2
- Sodium (00930) 78.7 mg/l u
- Sulfate (00945) 115.7 mg/l 5/2
- Total filterable residue (dissolved) (70300) 516 mg/l 5/29
- CARBONATE 0 5/17

From F, A-H<sub>2</sub>SO<sub>4</sub> sample:

- Nitrate + nitrite, dissolved (00631) \_\_\_\_\_ mg/l
- Ammonia, dissolved (00608) \_\_\_\_\_ mg/l
- Total KN \_\_\_\_\_



This form accompanies 2 sample(s) marked as follows to indicate field treatment:

- WF: Whole sample (no filtration)
- F: Filtered in field with 0.45  $\mu$  membrane filter
- A-H<sub>2</sub>SO<sub>4</sub>: Acidified with 2 ml conc H<sub>2</sub>SO<sub>4</sub>/l
- NA: No acid added

Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: David Boyer

DATE RECEIVED WC-1592-4/11/84  
 DATE REPORTED CO 5/15/84  
 Initials

SLD User Code 59500

WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location PNM - Person Station  
 Lat/Long 0 ' " ; 0 ' " T R S  
 Station/Well Code PSMW-7A NPDES No \_\_\_\_\_ Outfall No \_\_\_\_\_  
 Collected 840410 1130 By Lambert / CLAASSEN GW-HW  
 Date Time Name Unit  
 Pumping Conditions Bailed  
 Depth to Water Level 91.55 ft @ 1110 pH (00400) 7.9  
 Staff Gage Height \_\_\_\_\_ Conductivity (Uncorrected) 650  $\mu$ mho  
 Control Structure \_\_\_\_\_ Water Temp (00010) 24  $^{\circ}$ C  
 Discharge \_\_\_\_\_ Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho  
 Sample Type Grab

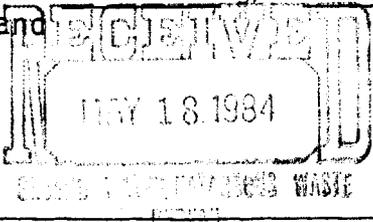
GENERAL WATER CHEMISTRY AND NITROGEN ANALYSES

From F NA sample: Date Analyzed \_\_\_\_\_  
 Conductivity \_\_\_\_\_  $\mu$ mho  
 (25 $^{\circ}$ C)(00095) \_\_\_\_\_  
 Total nonfilterable residue (suspended)(00530) \_\_\_\_\_

From NF, A-H<sub>2</sub>SO<sub>4</sub> sample:  
 Nitrate + nitrite, total (00630) \_\_\_\_\_ mg/l  
 Ammonia, total (00610) \_\_\_\_\_ mg/l  
 Chemical oxygen demand (00340) \_\_\_\_\_ mg/l

Fluoride Date Analyzed \_\_\_\_\_  
 From F, NA sample:  
 Magnesium (00925) \_\_\_\_\_ mg/l  
 Bicarbonate(00440) \_\_\_\_\_ mg/l  
 Calcium (00915) \_\_\_\_\_ mg/l  
 Chloride (00940) \_\_\_\_\_ mg/l  
 Potassium (00935) \_\_\_\_\_ mg/l  
 Sodium (00930) \_\_\_\_\_ mg/l  
 Sulfate (00945) \_\_\_\_\_ mg/l  
 Total filterable residue (dissolved)(70300) \_\_\_\_\_ mg/l

CARBONATE  
 From F, A-H<sub>2</sub>SO<sub>4</sub> sample:  
 Nitrate + nitrite, dissolved (00631) 0.65 mg/l 4/18  
 Ammonia, dissolved (00608) 0.25 mg/l 5/8  
 Total KN 2.21 5/13



This form accompanies 2 sample(s) marked as follows to indicate field treatment:

F: Whole sample (no filtration) NA: No acid added  
F: Filtered in field with 0.45 $\mu$  membrane filter

REPORT TO: Water Pollution Control Bureau  
 Environmental Improvement Division  
 Health & Environment Department  
 P. O. Box 968 - Crown Building  
 Santa Fe, NM 87503  
 ATTENTION: David Boyer

LAB NUMBER HM-1121  
 DATE RECEIVED 4-11-84  
 DATE REPORTED 6/19/84 m.f.  
 Initials

RECEIVED

JUN 22 1984

SLD USER Code 59500

GROUND WATER/HAZARDOUS WASTE BUREAU  
 WATER OR WASTEWATER ANALYSES-ENERGY DEVELOPMENT MONITORING PROGRAM

Sample Location PNM - PERSON STATION

Lat/Long 0 ' " ; 0 ' " T R S

Station/Well Code PSMW-7A NPDES No. \_\_\_\_\_ Outfall No \_\_\_\_\_

Collected 840410 1130 By Lambert/CLAASSEN GW/HW  
 Date Time Name Unit

Pumping Conditions Bailed

Depth to Water Level 91.55 ft @ 1110

pH (00400) 7.9

Staff Gage Height \_\_\_\_\_

Conductivity (Uncorrected) 650  $\mu$ mho

Control Structure \_\_\_\_\_

Water Temp (00010) 24  $^{\circ}$ C

Discharge \_\_\_\_\_

Sample Type Grab

Conductivity at 25 $^{\circ}$ C (00094) \_\_\_\_\_  $\mu$ mho

METAL ANALYSES

From NF, A-HNO<sub>3</sub> sample:

Date Analyzed

From F, A-HNO<sub>3</sub> sample:

Date Analyzed

- Arsenic, total \_\_\_\_\_  $\mu$ g/l
- Barium, total \_\_\_\_\_  $\mu$ g/l
- Cadmium, total \_\_\_\_\_  $\mu$ g/l
- Lead, total \_\_\_\_\_  $\mu$ g/l
- Molybdenum, tot \_\_\_\_\_  $\mu$ g/l
- Selenium, total \_\_\_\_\_  $\mu$ g/l
- Uranium, total \_\_\_\_\_  $\mu$ g/l
- Vanadium, total \_\_\_\_\_  $\mu$ g/l
- Zinc, total \_\_\_\_\_  $\mu$ g/l

- Arsenic, dissolved 30.  $\mu$ g/l 4/26/84
- Barium, dissolved \_\_\_\_\_  $\mu$ g/l
- Cadmium, dissolved \_\_\_\_\_  $\mu$ g/l
- Lead, dissolved \_\_\_\_\_  $\mu$ g/l
- Molybdenum, diss \_\_\_\_\_  $\mu$ g/l
- Selenium, diss <5.0  $\mu$ g/l 4/19/84
- Uranium, diss \_\_\_\_\_  $\mu$ g/l
- Vanadium, diss \_\_\_\_\_  $\mu$ g/l
- Zinc, dissolved \_\_\_\_\_  $\mu$ g/l

Remarks  Aluminium  
 Chromium  
 IRON  
 MANGANESE

This form accompanies 1 sample(s) marked as follows to indicate field treatment (circle):

NF, A-HNO<sub>3</sub>: Whole sample; acidified with 5 ml conc HNO<sub>3</sub>/l

F, A-HNO<sub>3</sub>: Filtered sample (0.45  $\mu$ m membrane filter); acidified with 5 ml conc HNO<sub>3</sub>/l

ICAP - SCREEN

Lab Number: NM 421

Sample Code: PSMW - 7A

Date Submitted: 4/11/84

Date Reported: 6/19/84

By: Bayer

By: mj

Determination

Concentration (µg/ml)

Aluminum	<u>&lt;0.10</u>
Barium	<u>0.31</u>
Beryllium	<u>&lt;0.10</u>
Boron	<u>0.18</u>
Cadmium	<u>&lt;0.10</u>
Calcium	<u>65.</u>
Chromium	<u>&lt;0.10</u>
Cobalt	<u>&lt;0.10</u>
Copper	<u>&lt;0.10</u>
Iron	<u>&lt;0.10</u>
Lead	<u>&lt;0.10</u>
Magnesium	<u>12.</u>
Manganese	<u>&lt;0.10</u>
Molybdenum	<u>&lt;0.10</u>
Nickel	<u>&lt;0.10</u>
Silicon	<u>40.</u>
Silver	<u>&lt;0.10</u>
Strontium	<u>0.77</u>
Tin	<u>&lt;0.10</u>
Vanadium	<u>&lt;0.10</u>
Yttrium	<u>&lt;0.10</u>
Zinc	<u>&lt;0.10</u>

ATOMIC ABSORPTION ANALYSES

Arsenic 0.030  $\mu\text{g/ml}$

Selenium <0.005  $\mu\text{g/ml}$

Mercury <0.0005  $\mu\text{g/ml}$

PRODUCTION wells

REPORT TO:

Improvement Division

LABORATORY

12/27/83

83-1063 -C

Environment Department

- Crown Building

RECEIVED

OR 1063 A+B

Santa Fe, New Mexico 87504-0968

ATTENTION: Dawn Jaccinovic

BUREAU: ENVIRONMENTAL

MAR 23 1984

SLD Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

GROUND WATER/HAZARDOUS WASTE

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_

Water Supply and/or Code No. Perm Person Station Well # 1 (S Broadway & Rio Bravo)

City & County Albuquerque Bernalillo County

Collected (date & time) 83/12/27 1230 By (name) Dawn Jaccinovic

pH= \_\_\_\_\_; Conductivity= 421 umho/cm at 20.5 °C; Chlorine Residual= \_\_\_\_\_

Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= 200 gpm

Sampling Location, Methods & Remarks (i.e. odors etc.)  
From Discharge Pipe underneath the road.  
no odor.

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Dawn Jaccinovic

I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory CF-ASCO

THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as: specimen 5; duplicate 5; triplicate \_\_\_\_\_; blank(s) \_\_\_\_\_, and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_, and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.

Containers are marked as follows to indicate preservation (circle):

NP: No preservation; sample stored at room temperature (~20°C).

P-ICE: Sample stored in an ice bath.

P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from Dawn Jaccinovic to Doug Whitard at (location) SLD on (date & time) 83/12/27 1655 and that the statements in this block are correct.

Disposition of Sample OK. Seal(s) Intact: Yes  No

Signature(s) Dawn Jaccinovic Doug Whitard

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_ at (location) \_\_\_\_\_ on (date & time) \_\_\_\_\_ and that the statements in this block are correct.

Disposition of Sample \_\_\_\_\_ . Seal(s) Intact: Yes  No

Signature(s) \_\_\_\_\_

**ANALYSES REQUESTED**

**LAB. NO.**

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREEN	QUALITATIVE	QUANTITATIVE	EXTRACTABLES SCREEN
		AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
	X	GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
					POLYCHLORINATED BIPHENYLS (PCB's)
					POLYNUCLEAR AROMATIC HYDROCARBONS
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS
	X	tetrachloroethylene			
	X	trichloroethane			

REMARKS:

**ANALYTICAL RESULTS**

COMPOUND	CONC-ENTRATION	COMPOUND	CONC-ENTRATION
Trichloroethane	< 1 ppb		
No other purgeables detected *			
		* DETECTION LIMIT	1 ppb

REMARKS:

**CERTIFICATE OF ANALYTICAL PERSONNEL**

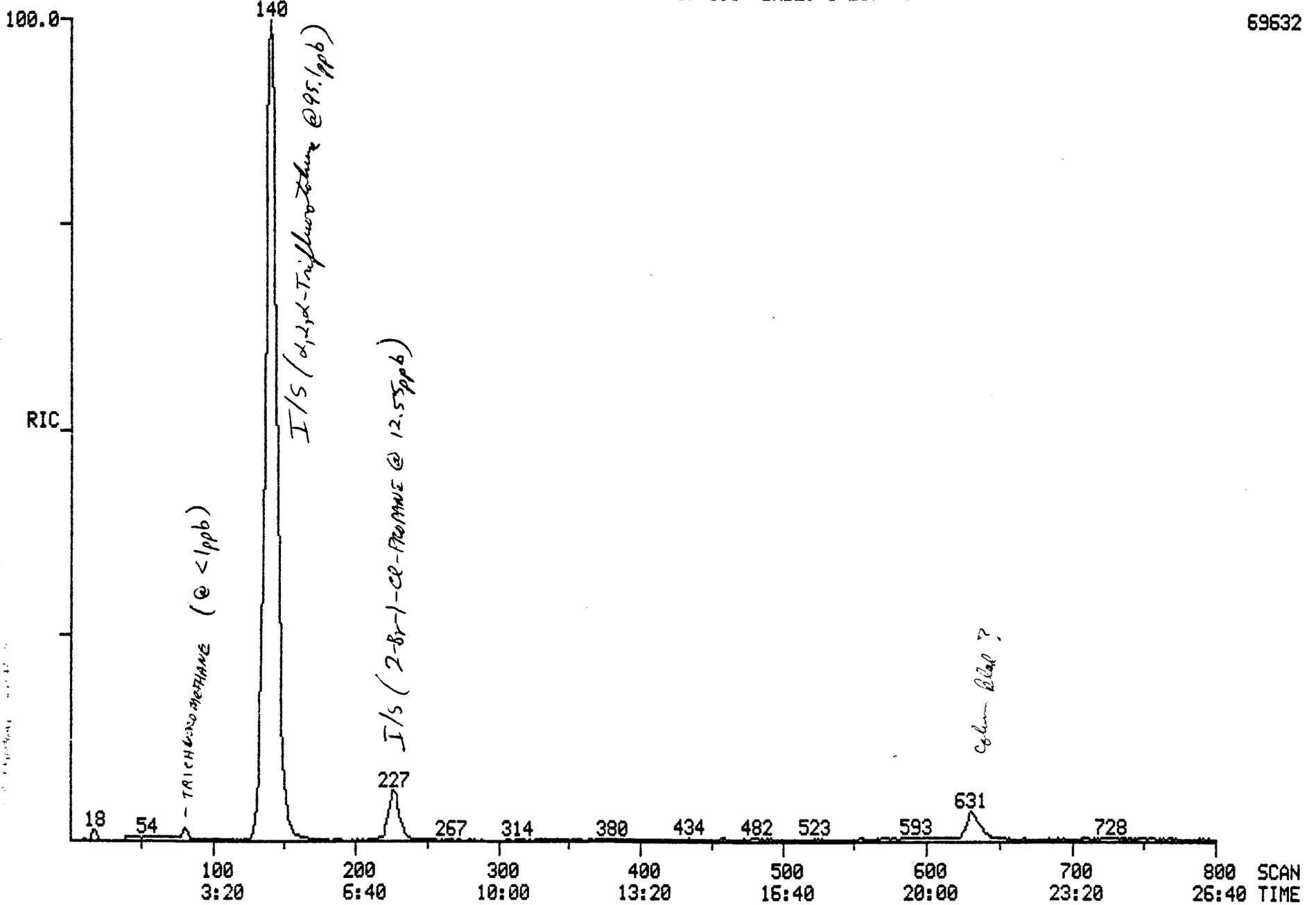
Seal(s) Intact: Yes No . Seal(s) Broken by \_\_\_\_\_ date \_\_\_\_\_  
 I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.  
 Date(s) of analysis 2/10/84 . Analysts signature Jin Ashby gem  
 I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers Signature: R Meyer Lau

RIC  
02/09/84 15:57:00  
SAMPLE: ORG-1063 5ML P&T  
RANGE: G 1, 800 LABEL: N 0, 4.0 QUAN: A 0, 1.0 BASE: U 20, 3

DATA: ORG1063 #1  
CALI: C020984 #4

SCANS 1 TO 800

69632



4/11/84  
OR 502A,B.



REPORT TO: Environmental Improvement Division  
Health & Environment Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: David Boyer  
BUREAU: GW/HW

LABORATORY \_\_\_\_\_  
LAB NUMBER SLD Priority 2

SLD Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_  
Water Supply and/or Code No. (PNM Person Station) SLD BLANKS  
City & County ALB - BERNALILLO  
Collected (date & time) 840409 755 By (name) Boyer / Lambert  
pH= \_\_\_\_\_; Conductivity= \_\_\_\_\_ umho/cm at \_\_\_\_\_ °C; Chlorine Residual= \_\_\_\_\_  
Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_  
Sampling Location, Methods & Remarks (i.e. odors etc.)  
SLD BLANKS

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Kevin Lambert  
I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory \_\_\_\_\_  
THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as:  
specimen 1; duplicate 1; triplicate \_\_\_\_\_; blank(s) \_\_\_\_\_,  
and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_,  
and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.  
Containers are marked as follows to indicate preservation (circle):  
NP: No preservation; sample stored at room temperature (~20°C).  
P-ICE: Sample stored in an ice bath.  
P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from Kevin Lambert to R Meyerheim at (location) SLD on (date & time) 4:51pm 4/10/84 and that the statements in this block are correct.  
Disposition of Sample OK Seal(s) Intact: Yes  No   
Signature(s) Kevin Lambert R Meyerheim  
-----  
I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_ at (location) RECEIVED on (date & time) \_\_\_\_\_ and that the statements in this block are correct.  
Disposition of Sample \_\_\_\_\_ Seal(s) Intact: Yes  No   
Signature(s) \_\_\_\_\_



4/11/84

OR 501 A, B

REPORT TO: Environmental Improvement Division  
Health & Environment Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: David Boyer  
BUREAU: GW/HW

LABORATORY \_\_\_\_\_  
LAB NUMBER SLD Priority

SLD Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".



CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_  
Water Supply and/or Code No. PNM - Person Station BLANKS  
City & County ALB / BERNALILLO  
Collected (date & time) 840410 800 By (name) Kent / Lambert  
pH= \_\_\_\_\_; Conductivity= \_\_\_\_\_ umho/cm at \_\_\_\_\_ °C; Chlorine Residual= \_\_\_\_\_  
Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_

Sampling Location, Methods & Remarks (i.e. odors etc.)  
PSMW - 7T3 This sample was collected by Kent Katz of PNM.  
Drinking Fountain PNM main bldg. Alvarado Square. No one was  
not present when this sample was collected. *JH. MB*

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Kevin Lambert  
I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory \_\_\_\_\_  
THIS FORM ACCOMPANIES 1 septum vials with teflon-lined discs identified as:  
specimen 1; duplicate \_\_\_\_\_; triplicate \_\_\_\_\_; blank(s) \_\_\_\_\_,  
and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_,  
and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.  
Containers are marked as follows to indicate preservation (circle):  
NP: No preservation; sample stored at room temperature (~20°C).  
P-ICE: Sample stored in an ice bath.  
P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from Kevin Lambert to  
R Meyerheim at (location) SLD on  
(date & time) 4/10/84 4:51 pm and that the statements in this block are correct.

Disposition of Sample OK. Seal(s) Intact: Yes  No   
Signature(s) Kevin Lambert R Meyerheim

I (we) certify that this sample was transferred from \_\_\_\_\_ to  
\_\_\_\_\_ at (location) **RECEIVED** on  
(date & time) \_\_\_\_\_ and that the statements in this block are correct.

Disposition of Sample \_\_\_\_\_. Seal(s) Intact: MAY 23 1984 Yes  No   
Signature(s) \_\_\_\_\_



84-0489-B

REPORT TO: Environmental Improvement Division  
Health & Environment Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: Boyer  
BUREAU: Ground Water/Haz. Waste

LABORATORY SLD priority #2

LAB NUMBER DRG-489-A  
4/9/84

SLD Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".



CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other PNM

Water Supply and/or Code No. ~~SLD~~ Blank PSMW 5-T-3

City & County \_\_\_\_\_

Collected (date & time) 7:55 AM 4/9/84 By (name) Jim Ashby

pH= \_\_\_\_\_; Conductivity= \_\_\_\_\_ umho/cm at \_\_\_\_\_ °C; Chlorine Residual= \_\_\_\_\_

Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_

Sampling Location, Methods & Remarks (i.e. odors etc.)  
PNM ~~SLD~~ Blank correct sample number (10 April 84) JAT  
PSMW-5-T-3. This "blank" was collected by Kent Katz  
(hydrologist) of PNM from Alvarado Square, JH

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed David H Boyer

I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory \_\_\_\_\_

THIS FORM ACCOMPANIES 3 septum vials with teflon-lined discs identified as: specimen \_\_\_\_\_; duplicate \_\_\_\_\_; triplicate \_\_\_\_\_; blank(s) 2, and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_, and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.

Containers are marked as follows to indicate preservation (circle):  
 NP: No preservation; sample stored at room temperature (~20°C).  
 P-ICE: Sample stored in an ice bath.  
 P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from David Boyer to Erick B. Blush at (location) SLD - Spec. Rec. on (date & time) 4:30 P.M. 4/9/84 and that the statements in this block are correct.

Disposition of Sample Kept in duplicate. Seal(s) Intact: Yes  No

Signature(s) David Boyer

---

I (we) certify that this sample was transferred from Erick B. Blush to \_\_\_\_\_ at (location) \_\_\_\_\_ on (date & time) 4/10/84 and that the statements in this block are correct.

Disposition of Sample \_\_\_\_\_ Seal(s) Intact: Yes  No

Signature(s) \_\_\_\_\_

RECEIVED

MAY 14 1984



Soil Analyses

REPORT TO: Environment 83-1059-C nt Division  
 Health & Department  
 P.O. Box 968 - Crown Building  
 Santa Fe, New Mexico 87504-0968  
 ATTENTION: Devon Jerinovic  
 BUREAU: GNQHWD X234

LABORATORY 12/27/83  
 LAB NUMBER OR 1059 A+B

RECEIVED

MAR 23 1984  
 Shippers Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

CERTIFICATE OF ~~FLUID WASTE/SAMPLE~~ GROUND WATER SURVEILLANCE

Sample Type: Water  Soil  Other \_\_\_\_\_

Water Supply and/or Code No. PMM-PERSONS Station (Rio Bruwa & Broadway)  
 City & County Albuquerque, Bernalillo County

Collected (date & time) 831227 0850 By (name) Jerinovic

pH= \_\_\_\_\_; Conductivity= \_\_\_\_\_ umho/cm at \_\_\_\_\_ °C; Chlorine Residual= \_\_\_\_\_

Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_

Sampling Location, Methods & Remarks (i.e. odors etc.)  
collected from split span - 25' below ground surface.

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Devon Jerinovic  
 I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory OF-7580

THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as:  
 specimen 1; duplicate 1; triplicate \_\_\_\_\_; blank(s) \_\_\_\_\_,  
 and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_,  
 and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.

Containers are marked as follows to indicate preservation (circle):  
 NP: No preservation; sample stored at room temperature (~20°C).  
 P-ICE: Sample stored in an ice bath.  
 P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from Devon Jerinovic to Doug Wilford at (location) SID on (date & time) 831227 1455 and that the statements in this block are correct.

Disposition of Sample OK. Seal(s) Intact: Yes  No

Signature(s) Devon Jerinovic Doug Wilford

---

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_ at (location) \_\_\_\_\_ on (date & time) \_\_\_\_\_ and that the statements in this block are correct.

Disposition of Sample \_\_\_\_\_ Seal(s) Intact: Yes  No

Signature(s) \_\_\_\_\_

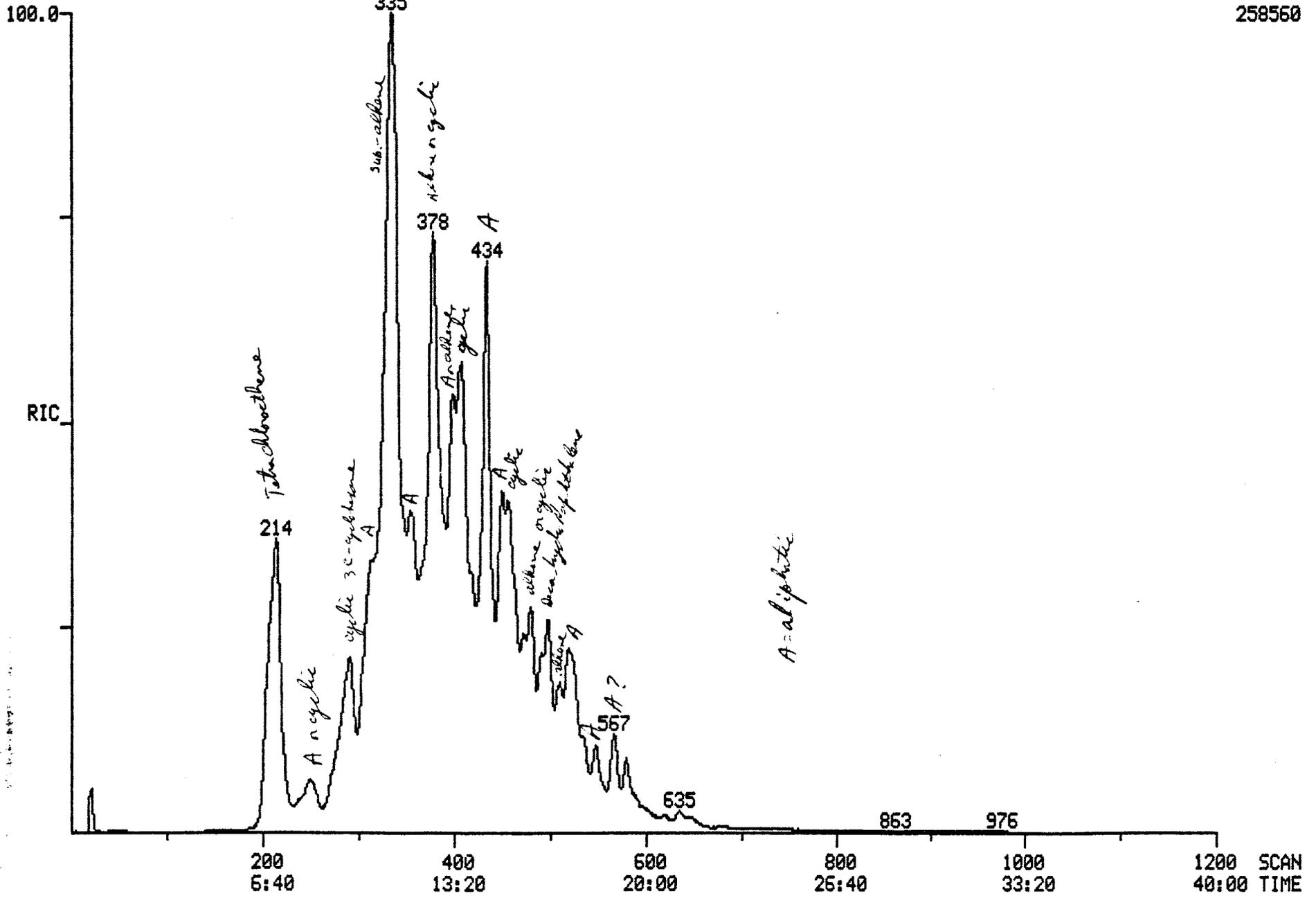


RIC  
 02/09/84 10:50:00  
 SAMPLE: ORG1059A RERUN, 1.5GRAM, 10 SEC. PURGE  
 RANGE: G 1.1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 BASE: U 20, 3

DATA: ORG1059B #1  
 CALI: C020984 #4

SCANS 1 TO 1200

258560

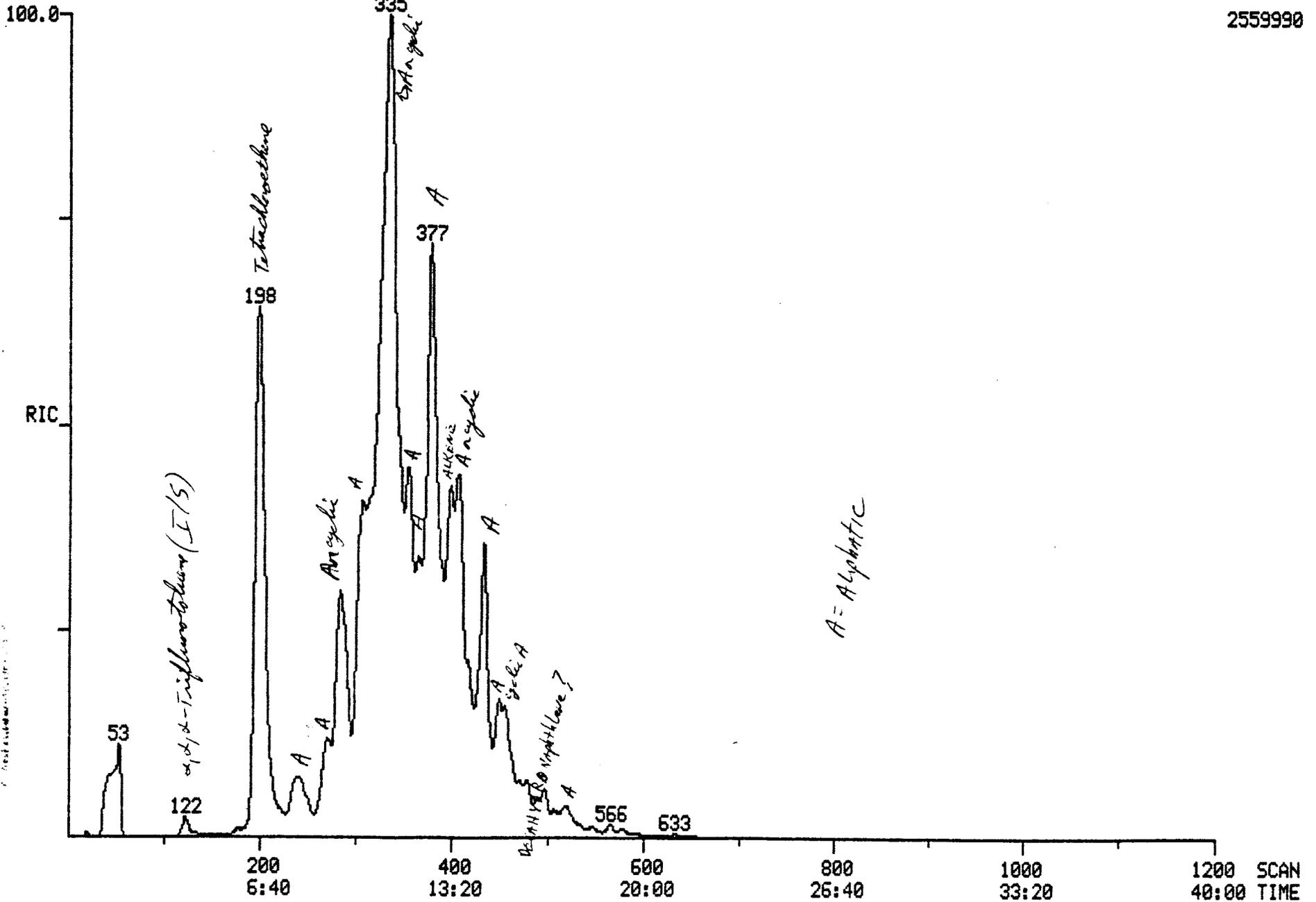


RIC  
02/09/84 9:57:00  
SAMPLE: ORG1059A. 5.0GRAMS. 1MIN. PURGE  
RANGE: G 1.1200 LABEL: N 0, 4.0 QUAN: A 0, 1.0 BASE: U 20, 3

DATA: ORG1059 #1  
CALI: C020984 #4

SCANS 1 TO 1200

2559990



REPORT TO: Environm **83-1060-C** nt Division  
Health & Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: Devin Jercinovic  
BUREAU: GROUNDWATER X234

LABORATORY

12/27/83

RECEIVED

LAB NUMBER

OR 1060 A+B

MAR 23 1984

Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

LIQUID WASTE/GROUND WATER

CERTIFICATE OF FIELD PERSONNEL SURVEILLANCE

Sample Type: Water  Soil  Other \_\_\_\_\_  
Water Supply and/or Code No. PNM - Persons Station (Rio Bravo & Broadway)  
City & County Albuquerque, Bernalillo County  
Collected (date & time) 831227 0935 By (name) JERCINOVIC  
pH= \_\_\_\_\_; Conductivity= \_\_\_\_\_ umho/cm at \_\_\_\_\_ °C; Chlorine Residual= \_\_\_\_\_  
Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_  
Sampling Location, Methods & Remarks (i.e. odors etc.)  
Collected 40' below ground surface - split-span sampler.

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Devin Jercinovic  
I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory GF-7580  
THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as:  
specimen 2; duplicate 2; triplicate \_\_\_\_\_; blank(s) \_\_\_\_\_,  
and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_,  
and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.  
Containers are marked as follows to indicate preservation (circle):  
NP: No preservation; sample stored at room temperature (~20°C).  
P-ICE: Sample stored in an ice bath.  
P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from Devin Jercinovic to  
Doug Whitland at (location) SLD on  
(date & time) 831227 1055 and that the statements in this block are correct.  
Disposition of Sample OK. Seal(s) Intact: Yes  No   
Signature(s) Devin Jercinovic Doug Whitland

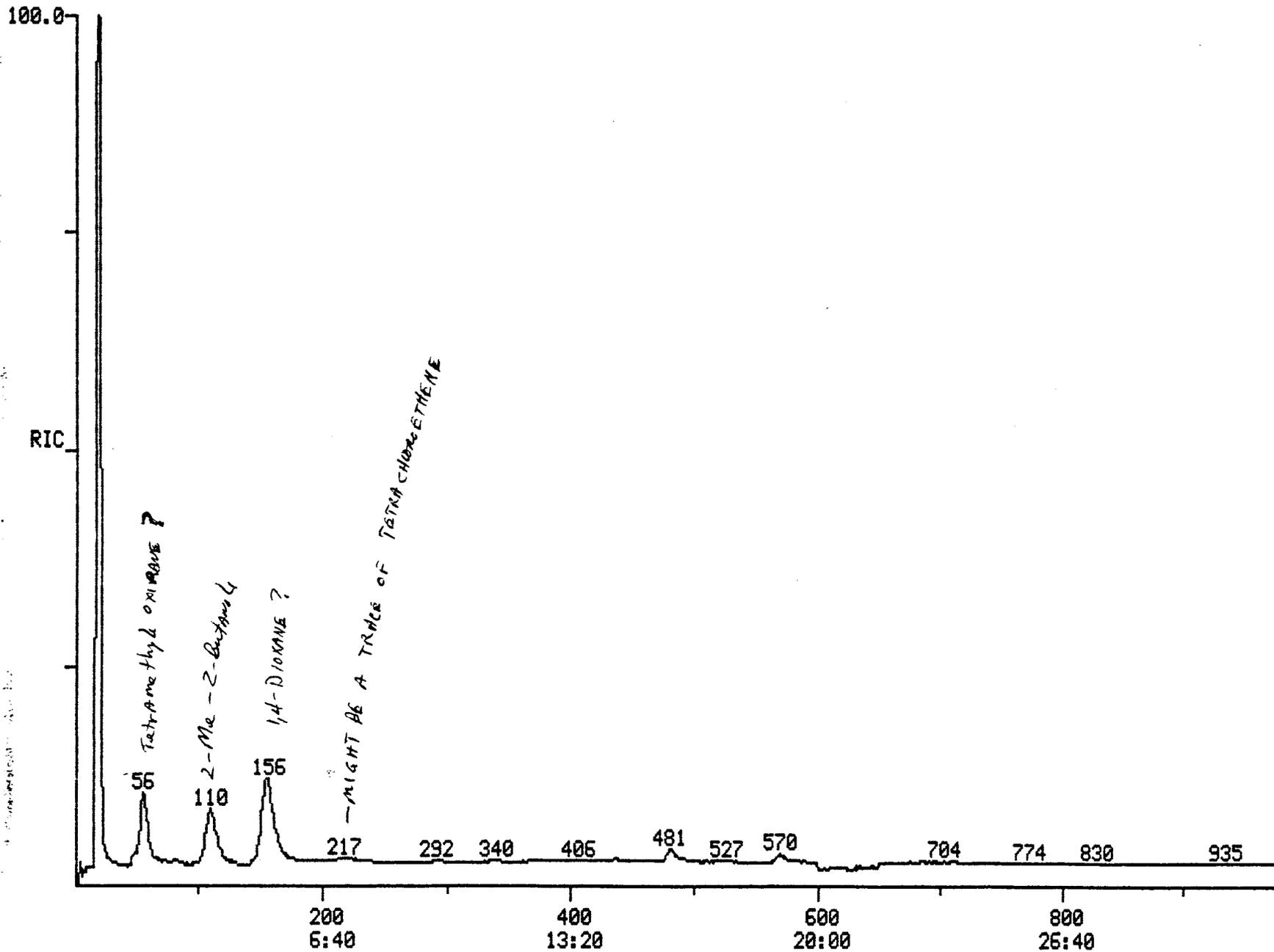
I (we) certify that this sample was transferred from \_\_\_\_\_ to  
\_\_\_\_\_ at (location) \_\_\_\_\_ on  
(date & time) \_\_\_\_\_ and that the statements in this block are correct.  
Disposition of Sample \_\_\_\_\_. Seal(s) Intact: Yes  No   
Signature(s) \_\_\_\_\_



RIC  
02/09/84 13:09:00  
SAMPLE: ORG1060A. 5GRAM. 5MIN PURGE  
RANGE: G 1, 985 LABEL: N 0, 4.0 QUAN: A 0, 1.0 BASE: U 20, 3

SCANS 1 TO 985

271872



SCAN  
TIME

# ANALYSES REQUESTED

LAB. NO. 83-1061

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREEN	QUALITATIVE	QUANTITATIVE	EXTRACTABLES SCREEN
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
		AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
	X	GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
				X	POLYCHLORINATED BIPHENYLS (PCB's)
				X	POLYNUCLEAR AROMATIC HYDROCARBONS
		SPECIFIC COMPOUNDS			SPECIFIC COMPOUNDS
	X	tetrachloroethylene			
	X	trichloroethane			

REMARKS:

## ANALYTICAL RESULTS

COMPOUND	CONC-ENTRATION	COMPOUND	CONC-ENTRATION
PCB's : None Detected		[Trichloro fluoro methane]	present
Minimum Detection Limit : 35ppb (based on A1260)		[Hexane]	"
		[Trichloromethane]	"
PNA's : None Detected		[2, methyl-2-butanol]	"
Detection Limit	1 PPM	[Tetrachloroethane]	
		[1, 2-Dichloroethane]	
		* DETECTION LIMIT	

REMARKS:

### CERTIFICATE OF ANALYTICAL PERSONNEL

Seal(s) Intact: Yes No . Seal(s) Broken by \_\_\_\_\_ date \_\_\_\_\_  
 I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.  
 Date(s) of analysis 3/15/84 . Analysts signature Doug [Signature]  
 I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers Signature: [Signature]

REPORT TO: Environment **83-1061-C** nt Division  
Health & Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: Devon Jercinovic  
BUREAU: GROUNDWATER X23A

LABORATORY

12/27/83

RECEIVED NUMBER

OR 1061A+B

MAR 23 1984

SLD Users Code No. 59600

ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".

LIQUID WASTE/GROUND WATER

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_

Water Supply and/or Code No. PNM Persons Station - Rio Bravo & Broadway

City & County Albuquerque, Bernalillo County

Collected (date & time) 831227 0950 By (name) Jercinovic

pH= \_\_\_\_\_; Conductivity= \_\_\_\_\_ umho/cm at \_\_\_\_\_ °C; Chlorine Residual= \_\_\_\_\_

Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_

Sampling Location, Methods & Remarks (i.e. odors etc.)  
collected 55' Below ground surface

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Devon Jercinovic

I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory OF-7580

THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as:  
specimen 3; duplicate 3; triplicate \_\_\_\_\_; blank(s) \_\_\_\_\_,  
and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_,  
and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_.

Containers are marked as follows to indicate preservation (circle):

NP: No preservation; sample stored at room temperature (~20°C).

P-ICE: Sample stored in an ice bath.

P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from Devon Jercinovic to Doug Whitland at (location) SID on (date & time) 831227 1655 and that the statements in this block are correct.

Disposition of Sample OK. Seal(s) Intact: Yes  No

Signature(s) Devon Jercinovic Doug Whitland

---

I (we) certify that this sample was transferred from \_\_\_\_\_ to \_\_\_\_\_ at (location) \_\_\_\_\_ on (date & time) \_\_\_\_\_ and that the statements in this block are correct.

Disposition of Sample \_\_\_\_\_ Seal(s) Intact: Yes  No

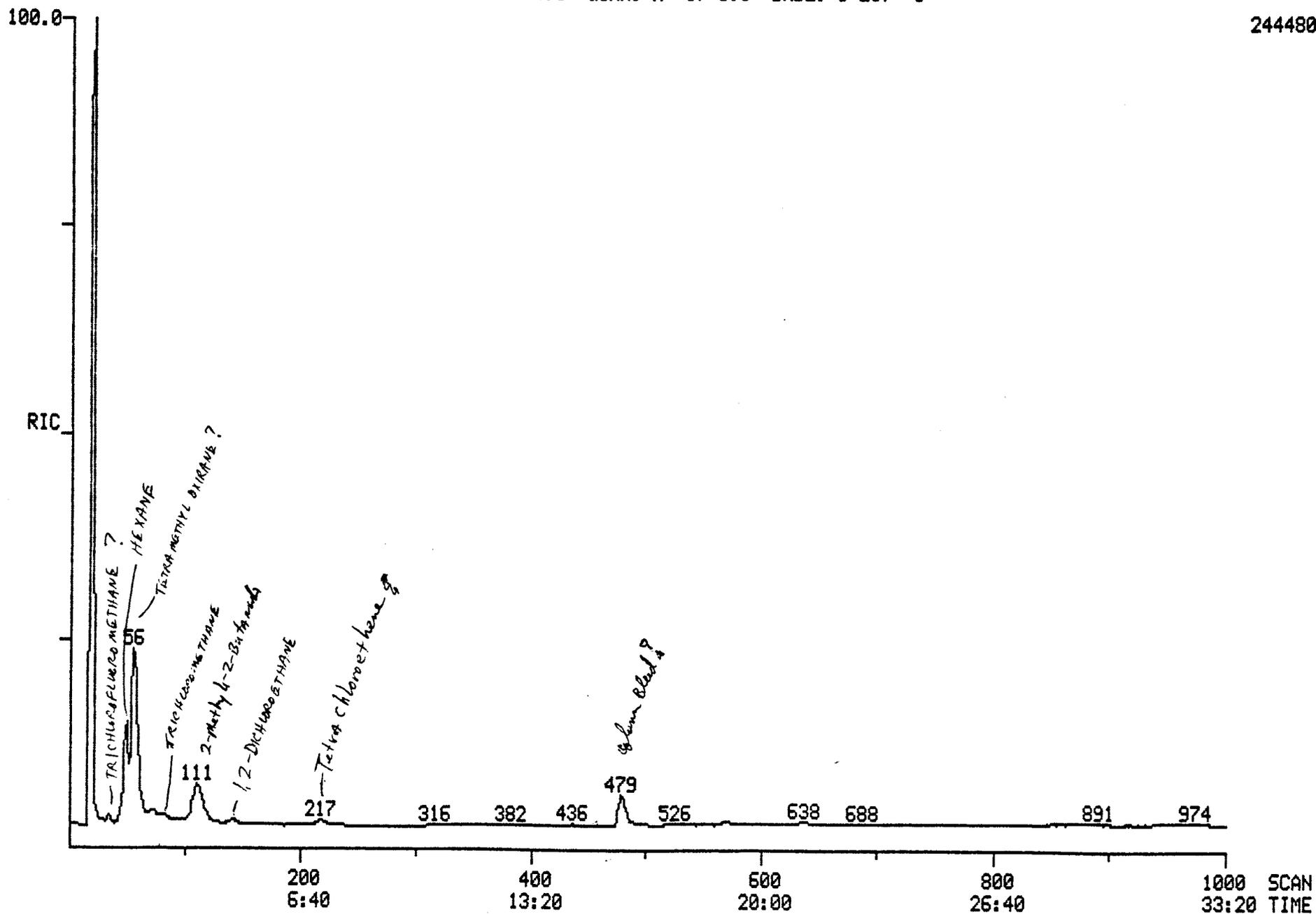
Signature(s) \_\_\_\_\_

RIC  
02/09/84 14:13:00  
SAMPLE: ORG1061A. 12GRAMS. 10 MIN PURGE  
RANGE: G 1.1000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 BASE: U 20, 3

DATA: ORG1061 #1  
CALI: C020984 #4

SCANS 1 TO 1000

244480



83-1062 -C

REPORT TO: Environmental Improvement Division  
Health & Environment Department  
P.O. Box 968 - Crown Building  
Santa Fe, New Mexico 87504-0968  
ATTENTION: Devin Jecirovic  
BUREAU: GNQHWB X234

RECEIVED LABORATORY  
MAR 23 1984  
LAB NUMBER

12/27/83  
OR 1062 A+B



ALL CONTAINERS WHICH THIS FORM ACCOMPANIES ARE COLLECTIVELY REFERRED TO AS "SAMPLE".  
SLD Users Code No. 59600

CERTIFICATE OF FIELD PERSONNEL

Sample Type: Water  Soil  Other \_\_\_\_\_  
Water Supply and/or Code No. PNM - Persons Station, Rio Bravo & Broadway  
City & County Albuquerque, Bernalillo County  
Collected (date & time) 12/27 1100 By (name) Jecirovic  
pH= \_\_\_\_\_; Conductivity= \_\_\_\_\_ umho/cm at \_\_\_\_\_ °C; Chlorine Residual= \_\_\_\_\_  
Dissolved Oxygen= \_\_\_\_\_ mg/l; Alkalinity= \_\_\_\_\_; Flow Rate= \_\_\_\_\_  
Sampling Location, Methods & Remarks (i.e. odors etc.)  
collected 90' below land surface

I certify that the statements in this block accurately reflect the results of my field analyses, observations and activities. Signed Devin Jecirovic  
I certify that I witnessed these field analyses, observations and activities and concur with the statements in this block. Signed \_\_\_\_\_

Method of Shipment to Laboratory OF-750  
THIS FORM ACCOMPANIES 2 septum vials with teflon-lined discs identified as:  
specimen A; duplicate A; triplicate \_\_\_\_\_; blank(s) \_\_\_\_\_  
and \_\_\_\_\_ amber glass jug(s) with teflon-lined cap(s) identified as \_\_\_\_\_  
and \_\_\_\_\_ other container(s) (describe) \_\_\_\_\_ identified as \_\_\_\_\_  
Containers are marked as follows to indicate preservation (circle):  
NP: No preservation; sample stored at room temperature (~20°C).  
ICE: Sample stored in an ice bath.  
P-Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>: Sample preserved with 3 mg Na<sub>2</sub>O<sub>3</sub>S<sub>2</sub>/40 ml and stored at room temperature.

CERTIFICATE(S) OF SAMPLE RECEIPT

I (we) certify that this sample was transferred from Devin Jecirovic to  
Deryn Wiklund at (location) SLD on  
(date & time) 12/27 1655 and that the statements in this block are correct.  
Disposition of Sample OK. Seal(s) Intact: Yes  No   
Signature(s) Devin Jecirovic Deryn Wiklund

I (we) certify that this sample was transferred from \_\_\_\_\_ to  
\_\_\_\_\_ at (location) \_\_\_\_\_ on  
(date & time) \_\_\_\_\_ and that the statements in this block are correct.  
Disposition of Sample \_\_\_\_\_. Seal(s) Intact: Yes  No   
Signature(s) \_\_\_\_\_

**ANALYSES REQUESTED**

LAB. NO. 83-1062

PLEASE CHECK THE APPROPRIATE BOXES BELOW TO INDICATE THE TYPE OF ANALYTICAL SCREENS REQUIRED. WHENEVER POSSIBLE LIST SPECIFIC COMPOUNDS SUSPECTED OR REQUIRED.

QUALITATIVE	QUANTITATIVE	PURGEABLE SCREEN	QUALITATIVE	QUANTITATIVE	EXTRACTABLES SCREEN
		ALIPHATIC HYDROCARBON SCREEN			ALIPHATIC HYDROCARBONS
		AROMATIC HYDROCARBON SCREEN			CHLORINATED HYDROCARBON PESTICIDES
		HALOGENATED HYDROCARBON SCREEN			CHLOROPHENOXY ACID HERBICIDES
	X	GAS CHROMATOGRAPH/MASS SPECTROMETER			HYDROCARBON FUEL SCREEN
					ORGANOPHOSPHATE PESTICIDES
				X	POLYCHLORINATED BIPHENYLS (PCB's)
				X	POLYNUCLEAR AROMATIC HYDROCARBONS
		<b>SPECIFIC COMPOUNDS</b>			<b>SPECIFIC COMPOUNDS</b>
	X	tetrachloroethylene			
	X	trichloroethylene			

REMARKS:

**ANALYTICAL RESULTS**

COMPOUND	CONC-ENTRATION	COMPOUND	CONC-ENTRATION
PCB's : None Detected		[ Acetone ]	Trace
Minimum Detection Limit: 35ppb (based on A126)		[ Tetrachloro ethane ]	Trace
		no other purgeable detected	*
PNA's : none Detected			
Detection Limit	1 PPM		
		* DETECTION LIMIT	1ppb

REMARKS:

**CERTIFICATE OF ANALYTICAL PERSONNEL**

Seal(s) Intact: Yes No . Seal(s) Broken by \_\_\_\_\_ date \_\_\_\_\_  
 I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and that the statements in this block and the analytical data on this page accurately reflect the analytical results for this sample.  
 Date(s) of analysis 3/15/84 . Analysts signature Douglas White  
 I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers Signature: R. Meyerheim

RIC  
02/09/84 15:18:00  
SAMPLE: ORG-1062A. 10.2 GRAMS/ 10 MIN PURGE.  
RANGE: G 1, 808 LABEL: N 0, 4.0 QUAN: A 0, 1.0 BASE: U 20, 3

DATA: ORG1062 #1  
CALI: C020984 #4

SCANS 1 TO 808

94080

