3R ·

GENERAL CORRESPONDENCE

YEAR(S): 192-1987

OIL CONSERVE IN DIVISION RECEIPED



'92 SE= 2? AM 8 51

Southern	_
Rockies	
Business	
Unit	

San Juan Operations Center September 21, 1992

NMOCD P. O. Box 2088 Santa Fe, NM 87504

Attention: Bill Olson

File: BDS-25-986

Valdez "A" Monitor Wells

Amoco plans to abandon the four monitor wells on the Valdez "A" No. 1 location. This also will eliminate a \$1000/year right-of-way payment to Mr. Tony Valdez. Sampling results on the four monitor wells are attached. Advise your approval should you concur.

B. D. Shaw Environmental Coordinator

BDS:en

Attachment

cc: Denny Foust - NMOCD, Aztec, NM



2506 West Main Street Farmington, New Mexico 87401 Tel. (505) 326-4737

Amoco

Project Name:	Valdez A	Report Date:	9/3/92
Sample ID:	#1	Date Sampled:	8/21/92
Sample Number	r: 9514	Date Received:	8/21/92
Sample Matrix:	water	Date Analyzed:	9/3/92
Preservative:	Cool, HCl		
Condition:	intact		

Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0

ND - Analyte not detected at stated detection limit.

Quality Control:

<u>Surrogate</u>	Percent Recovery	Acceptance Limits
Toluene-d8	101%	88-110%
4-Bromofluorobenzene	98%	86-115%

Reference:Method 5030, Purge and Trap
Method 8020, Aromatic Volatile Organics
SW-846, Test Methods for Evaluating Solid Wastes, United States
Environmental Protection Agency, September 1986.

Comments:

un Poki

Analyst

Cali Bellik Review



2506 West Main Street Farmington, New Mexico 87401 Tel. (505) 326-4737

Amoco

Project Name:	Valdez A	Report Date:	9/3/92
Sample ID:	#2	Date Sampled:	8/21/92
Sample Number:	9515	Date Received:	8/21/92
Sample Matrix:	water	Date Analyzed:	9/3/92
Preservative:	Cool, HCl		
Condition:	intact		

Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0

ND - Analyte not detected at stated detection limit.

Quality Control:

<u>Surrogate</u>	Percent Recovery	Acceptance Limits
Toluene-d8	99%	88-110%
4-Bromofluorobenzene	96%	86-115%

Reference:Method 5030, Purge and Trap
Method 8020, Aromatic Volatile Organics
SW-846, Test Methods for Evaluating Solid Wastes, United States
Environmental Protection Agency, September 1986.

Comments:

Jaki Analyst

Review



2506 West Main Street Farmington, New Mexico 87401 Tel. (505) 326-4737

Amoco

Project Name:	Valdez A
Sample ID:	#3
Sample Number:	9516
Sample Matrix:	water
Preservative:	Cool, HCl
Condition:	intact

9/3/92
8/21/92
8/21/92
9/3/92

Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0

ND - Analyte not detected at stated detection limit.

Quality Control:

<u>Surrogate</u>	Percent Recovery	Acceptance Limits
Toluene-d8	96%	88-110%
4-Bromofluorobenzene	95%	86-115%

Reference: Method 5030, Purge and Trap Method 8020, Aromatic Volatile Organics SW-846, Test Methods for Evaluating Solid Wastes, United States Environmental Protection Agency, September 1986.

Comments:

Analyst

Malus Ballel Review



2506 West Main Street Farmington, New Mexico 87401 Tel. (505) 326-4737

Amoco

Project Name:	Valdez A	Report Date:	9/3/92
Sample ID:	#4	Date Sampled:	8/21/92
Sample Number:	9517	Date Received:	8/21/92
Sample Matrix:	water	Date Analyzed:	9/3/92
Preservative:	Cool, HCl		
Condition:	intact		

Analyte	Concentration (ppb)	Detection Limit (ppb)
Benzene	ND	0.5
Toluene	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylene	ND	1.0
o-Xylene	ND	1.0

ND - Analyte not detected at stated detection limit.

Quality Control:

Surrogate	Percent Recovery	Acceptance Limits
Toluene-d8	102%	88-110%
4-Bromofluorobenzene	99%	86-115%

Reference: Method 5030, Purge and Trap Method 8020, Aromatic Volatile Organics SW-846, Test Methods for Evaluating Solid Wastes, United States Environmental Protection Agency, September 1986.

Comments:

Pole

Analyst

Calo Ballel Review

State of New Mexico State of New Mexico ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT Santa Fe, New Mexico 87505 STATE OF NEW MEXICO CONSERVITION MEMORANDUM OF MEETING OR CONVERSATION				
Telephone Personal Time 1530	Date 7/28/92			
Originating Party Budy Shaw - Amoco	<u>Other Parties</u> Bill Olson - OCD E Buren			
Subject Valdez "A" Monitar Wells	······································			
Discussion Told him OCD need. Taby de at Valuer Att before He stated Valuer Att IE tess to be closed	is nut being orguester			
<u>Conclusions or Agreements</u> <u>He will get lab data on all</u>	Valche Att 1 MW's			
	gned All All			



San Juan Operations Center

April 10, 1992

NMOCD P. O. Box 2088 Santa Fe, NM 87504

Attn: Bill Olson

File: BDS-7-986

Valdez "A" Monitor Wells

This is a status letter on the above subject old Tenneco well sites. Sampling of the monitor wells has been done over several months for BTEX. Results indicate that the monitor wells on the Valdez A #1 can be abandoned. However, results on the Valdez A #1E location indicate dissolved product exists in five of eight wells. Lab analyses are attached.

Amoco plans to abandon the four monitor wells on the Valdez A #1 location this summer. This also will eliminate a \$1000/year right-of-way payment to Mr. Tony Valdez. We are also continuing to evaluate site conditions on the Valdez A #1E. Additional information will follow later. Please let me know if you have any questions.

B. D. Shaw Environmental Coordinator

BDS/slb

Attachment

cc: Denny Foust - NMOCD Aztec, NM

Southern	
Rockies	
Business	
Unit	

RECEIVED

APR 0 9 1992

OIL CONSERVATION DIV. SANTA FE



JUN 28 1991



26 June, 1991

Amoco Production Company Attn: Buddy Shaw TECH, Inc. 333 East Main Farmington New Mexico 87401

505/327-3311

lab

VOLATILE AROMATIC HYDROCARBONS

MISTAKE VAldez - S Sample ID: Analysis Requested: BTEX Sample Matrix: Water Condition: Intact

Report Date:	06-19-91
Date Sampled:	05-28-91
Date Received:	05-30-91
Date Analyzed:	06-11-91
Preservative:	Cool

Parameter	Concentration ((ug/L) Pf	Limit (ug/L)
Benzene	ND	1.0
Toluene	ND.	1.0
Ethylbenzene	ND	1.0
p,m-Xylene	ND	1.0
o-Xylene	ND	1.0

ND - Parameter not detected at the stated detection limit.

SURROGATE	RECOVERIES:	Parameter	Percent Recovery
		Fluorobenzene	87.2 %

Method: Method 8020, Aromatic Volatile Organics, SW-846, USEPA, (Sept. 1986).

Comments:

Harlan P. Hamlow Director of Laboratories

Well Name	Barrel§/Day Water	Sample Number	Benzene ug/kg	Toluene ug/kg	Ethylbenzene ug/kg	Total Xylenes ug/l	TDS mg/l	Chloride mg/l	Sulfate mg/i	
Valdez A-1-E	0.45	0203051030	ND	ND	ND	0.5	3 530	176	2 150	
Valdez A-1-E	0.45	9203031030	<u>ND</u>			0.5	5,550		2,150	109
2		9203051140	ND	ND	ND	ND	2,360	22.0	1,540	(4)
Valdez A-1-E		9203051250	65	44.1	20.3	82.7	1,750	82.7	889	(1)
Valdez A-1-E		9203051340	3.0	6.9	0.3	7.8	2,010	21.9	1,290	(1)
Valdez A-1-E		9203051445	0.4	5.3	0.6	3.1	2,260	233	835	(1)
Valdez A-1-E		9203051550	ND	0.5	ND	1.0	1,850	10.3	1,190	(1)
Valdez A-1-E	,	9203051620	1,160	1,110	302	1,972	1,370	66.8	584	(6)
Valdez A-1-E 8	3	9203051645	2,160	1,770	830	2,920	872	31.4	123	(6)

Ground Water Chemistry at Contaminated Sites Identified in Open File Report H89-9

*Duplicate ND = Not detected.

NA = Not analyzed.

Detection Limits:

(1) $B = 0.2 ug/kg$	(2) $B = 10.0 \text{ ug/kg}$	(3) $B = 0.2 \text{ ug/kg}$	(4) $B = 0.2 \text{ ug/kg}$	(5) $B = 20.0 \text{ ug/kg}$	(6) $B = 10.0 \text{ ug/kg}$
T = 0.4 ug/kg	T = 20.0 ug/kg	T = 0.4 ug/kg	T = 0.3 ug/kg	T = 40.0 ug/kg	T = 15.0 ug/kg
E = 0.2 ug/kg	E = 10.0 ug/kg	E = 0.2 ug/kg	E = 0.2 ug/kg	E = 20.0 ug/kg	E = 10.0 ug/kg
PMX = 0.5 ug/kg	PMX = 30.0 ug/kg	PMX = 0.6 ug/kg	PMX = 0.5 ug/kg	PMX = 60.0 ug/kg	PMX = 25.0 ug/kg
OX = 0.2 ug/kg	OX = 15.0 ug/kg	OX = 0.3 ug/kg	OX = 0.2 ug/kg	OX = 30.0 ug/kg	OX = 10.0 ug/kg

54101/AMOCOSMP.WQ1



ENERGY, MINERALS and NATURAL RESQUEGES DEPARTMENT RE1: /ED OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

AZTEC DISTRICT OFFICE 92 APT IN HIM 9 50 000 RIO BRAZOS ROAD

BRUCE KING GOVERNOR

CABINET SECRETARY

AZTEC, NEW MEXICO 87410 (505) 334-6178

March 13, 1992

Eluid L. Martinez State Engineer Office P. O. Box 25102 Santa Fe, NM 87504-5102

Re: Bunce #1 well, located SW/4 NE/4 Section 24 T29N R11W, San Juan County, NM

Dear Mr. Martinez:

The referenced well was drilled in 1938 as a wildcat to the Farmington Sand by Noland and Bullock Company and subsequently plugged back to the Ojo Alamo and released to the land owner as a water well. The well is currently flowing high sulfate water at approximately five gallons per minute to the surface and down drainage into the San Juan River. Since the well was turned over to the landowner the NMOCD does not retain authority for this well, however, we do recommend that your office investigate this well as a possible contamination source to the river.

Your's truly,

Ernie Busch **District Geologist**

cc: Tony E. Valdez David Tomko-NMED Farmington **Denny Foust**

10/27/92 10/27/92 2000

(Form C-102) (Revised 7/1/52)

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Notice by Checking Below

NOTICE OF INTENTION TO CHANGE PLANS NOTICE OF INTENTION TO TEMPORARILY ABANDON WELL TO DRILL DEEPER	
Notice of Intention to Plug Well Notice of Intention to Plug Back Notice of Intention	
Notice of IntentionNotice of IntentionNotice of Intentionto Squeezeto Acidizeto Shoot (Nitro)	
Notice of Intention to Gun Perforate Notice of Intention (Other) (Other)	
OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO	
(Place) (Date)
Gentlemen:	
Following is a Notice of Intention to do certain work as described below at the	
(Company or Operator) ⁴	(Unit) Post
(40-acre Subdivision)	
County.	
FULL DETAILS OF PROPOSED PLAN OF WORK	
(FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)	
There is the stand my face built	K C
1 - 1	ſ.
Approved 19 / Sustiget + // 6 los	2
Except as follows:	
Approved Position	vell to:
OIL CONSERVATION COMMISSION	
By Name	
Title Address.	



OIL CONSERVATION COMMISSION



GOVERNOR EDWIN L MECHEM CHAIRMAN LAND COMMISSIONER GUY SHEPARD MEMBER STATE GEOLOGIST R R. SPURRIER BECRETARY AND DIRECTOR

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AZTEC. NEW MEXICO October6 , 1953

Mr. S. R. Bullock Olathe, Colorado

Dear Mr. Bullock:

Since our correspondence regarding Noland & Bullock well in the NESE 24-29N-11W some 6 months ago, the oil commission has had more inquiries from the bonding company regarding the possibility of having this well released under the plugging bond. I just had a conversation with the Chief Engineer of the Commission, Mr. W. B. Macey and he requested that I write you a letter and see if something could be done to either plug this well or properly and legally release the well to the landowner so that he can convert it to a water well and assume plugging responsibility. I do not believe that it would be very difficult to set a mud plug in the Farmington sandstone and if this could be done and properly reported to the Commission I believe that we could get the bond released; however you or somebody representing you will have to take the initiative in making the proper arrangements with the landowner so that this can be done.

If I can take care of anything for you in the Aztec area which will help toward the desired end of having the bond released please let me know.

Would it be possible for me to contact the Noland of Noland & Bullock or is he in the Aztec area at this time to your knowledge?

I have visited the well personally and have talked to the landowner. He seems to consider that the well is his and as you are responsible under the plugging bond I do not believe that he could prevent you from plugging the well if you want to. If you do want to transfer the well to the landowner, athen he will have to assume full plugging responsibility.

Yours very truly,

Emery C. Arnold

Oil & Gas Inspector, Dist. #3

ECA:ks





Astec, New Mexico February 15, 1954

TO WHOM IT MAY CONCERN:

This is to certify that I, AL GREER, was serving as duly appointed Oil & Gas Inspector, District 3, in July, 1944. This affidavit is to certify that the following work was performed at the S.R. Bullock and G.D. Noland #1 Bunce well in the SWINEL Section 24-29N-11W, San Juan County, New Mexico:

Six hundred forty-nine (649) feet of 6" casing was left in the well. The Farmington Sandstone was plugged back with heavy shale and mud into the casing and the well was released as a water well to the landowner who was Mr. Ralph Bunce, Bloomfield, New Mexico. The water sand was at approximately 200 feet.

al Than

Al Greer



New Mexico Oil Conservation Commisison AZTEC, NEW MEXICO

February 23, 1954

Mr. S. R. Bullock -Olathe, Colorado

Dear Mr. Bullockt

Since talking to you the other day we have prepared an affidavit and asked Mr. Al Greer, who was District Oil & Gas Inspector in July, 1944 to sign it. He has agreed and enclosed is a copy of the affidavit, one copy of which we are sending to Santa Fe, along with the Form C-LO2, Notice of Intention to Plug which was submitted by you in July, 1944. This C-LO2 shows that it was your intention to transfer the well to Mr. Bunce upon completion of plugging. Although the casing was never pulled as it was stated you intended to do, we believe that by filling the Farmington section with shale the State Regulations were complied with, sofar as the Farmington sandstome is concerned. At any rate we are sending the affidavit to Santa Fe and hope that they will approve cancellation of your bond. We should hear within the next 2 weeks.

Yours very truly,

Emery C. Arnold Oil & Gas Inspector, ^District #3

ECA:ks Encl.



Rocky Mountain Division P.O. Box 3249 Englewood, Colorado 80155 (303) 740-4800



Delivery Address: 6162 South Willow Drive Englewood, Colorado 80111

December 7, 1987

CERTIFIED MAIL RETURN RECEIPT REQUESTED

State of New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, New Mexico 87501

Attention: Ms. Bailey

Dear Ms. Bailey:

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Attached is the analysis of the samples that were taken on November 10, 1987 at the Valdez A-1 well. The swamp water sample is the only one that shows any BTX. I had the lab check and they are confident that there is toluene in the swamp water sample.

Please call me at (303) 740-2579 if you require further information.

Very truly yours,

TENNECO OIL COMPANY

Martin W. Buys Staff Environmental/Safety Coordinator

MWB/cmf:3094a

Attachments



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Rocky Mountain Analytical Laboratory



Enseco Incorporated



ANALYTICAL RESULTS FOR TENNECO OIL COMPANY

NOVEMBER 25, 1987

Reviewed by:

Craig Huff naureer list Maureen A. McDevitt

4955 Yarrow Street Arvada, Colorado 80002 303/421-6611

Facsimile: 303/431-7171

Enseco

BENZENE/ TOLUENE/ ETHYLBENZENE/ XYLENES (BTX)

EPA METHOD 602

Client Name: TENNECO OIL COMPANY Client ID: VALDEZ A1 #11							
Matrix: Water	Sampled: 11/10/87	87 Received: 11/11/87					
Authorized: 11/11/87	Analyzed: 11/12/87						
Parameter	Res	<u>ult</u>	<u>Units</u>	Reporting <u>Limit</u>			
Benzene	N.	D.	ug/L	0.50			
Ethylbenzene	N.	D.	ug/L	0.50			
Toluene	N.	D.	ug/L	0.50			
m-Xylene	N.	D.	ug/L	0.50			
o & p-Xylene(s)	N.	D.	ug/L	0.50			

N.D. = Not detected

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Reported by: Michael Hoffman

BENZENE/ TOLUENE/ ETHYLBENZENE/ XYLENES (BTX)

EPA METHOD 602

Client Name: TENNECO OIL COMPANY Client ID: VALDEZ A1 #12 Laboratory ID: 64967-002 Enseco ID: 64967-002 Matrix: Water Sampled: 11/10/87 Received: 11/11/87 Authorized: 11/11/87 Analyzed: 11/12/87

Parameter	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>
Benzene	N.D.	ug/L	0.50
Ethylbenzene	N.D.	ug/L	0.50
Toluene	N.D.	ug/L	0.50
m-Xylene	N.D.	ug/L	0.50
o & p-Xylene(s)	N.D.	ug/L	0.50

N.D. = Not detected Reported by: Michael Hoffman

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Approved by: Robert Keck

Sample: 64967-002

Enseco

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BENZENE/ TOLUENE/ ETHYLBENZENE/ XYLENES (BTX)

EPA METHOD 602

Client Name: TENNECO OIL COMPANY

Client ID: VALDEZ A1 #13

Laboratory ID: 64967-003

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Enseco ID: 64967-003

Authorized: 11/11/87		Analyzed: 11/12/87
Matrix: Water	Sampled: 11/10/87	Received: 11/11/87

<u>Parameter</u>	Result	<u>Units</u>	Reporting <u>Limit</u>
Benzene	N.D.	ug/L	0.50
Ethylbenzene	N.D.	ug/L	0.50
Toluene	N.D.	ug/L	0.50
m-Xylene	N.D.	ug/L	0.50
o & p-Xylene(s)	N.D.	ug/L	0.50

N.D. = Not detected Reported by: Michael Hoffman

Approved by: Robert Keck

Sample: 64967-003

BENZENE/ TOLUENE/ ETHYLBENZENE/ XYLENES (BTX)

EPA METHOD 602

<u>Parameter</u>		<u>Result</u>	<u>Units</u>	Reporting Limit
Authorized: 11/11/87		An	alyzed: 11/12/87	
Matrix: Water	Sampled: 11/10/87	Re	ceived: 11/11/87	
Laboratory ID: 64967-004	Enseco I	D: 64967-004		
Client ID: VALDEZ A1 #14				
Client Name: TENNECO OI	L COMPANY			

Benzene	N.D.	ug/L	0.50
Ethylbenzene	N.D.	ug/L	0.50
Toluene	N.D.	ug/L	0.50
m-Xylene	N.D.	ug/L	0.50
o & p-Xylene(s)	N.D.	ug/L	0.50

N.D. = Not detected Reported by: Michael Hoffman

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Approved by: Robert Keck

Sample: 64967-004

Enseco

BENZENE/ TOLUENE/ ETHYLBENZENE/ XYLENES (BTX)

EPA METHOD 602

	Analyzed: 11/12/87	
mpled: 11/10/87	Received: 11/11/87	
Enseco ID: 64967	7-005	
OMPANY		
	DMPANY Enseco ID: 64967 mpled: 11/10/87	Enseco ID: 64967-005 mpled: 11/10/87 Received: 11/11/87 Analyzed: 11/12/87

Benzene	N.D.	ug/L	0.50
Ethylbenzene	N.D.	ug/L	0.50
Toluene	3.9	ug/L	0.50
m-Xylene	N.D.	ug/L	0.50
o & p-Xylene(s)	N.D.	ug/L	0.50

N.D. = Not detected

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Reported by: Michael Hoffman

Approved by: Robert Keck

Sample: 64967-005

Enseco 🖉

enneco Valdez - A1# 1. 1.210 hole 11 DTW = 15 (hold) - 14.495 (c.f) sp und = 470 of 13°c pH=7 $\frac{h_{v}l_{e}}{0T_{v}} = \frac{17'(h_{v}l_{v}) - 14.27'(at)}{s_{f}}$ $\frac{h_{v}l_{e}}{13} = \frac{17'(h_{v}l_{v}) - 14.27'(at)}{s_{f}}$ p#=7 MTW- 18'(hold) - 14.445'(cat) hole 14' pH=7 MTw = 19 (hold) - 19727 14.75- (1) pH = 7.5 \$ sp cond = 1200 @ 13°C \$ Swamp 1 s_{f} coul = 620 O 9°c pH = 7

15.3. A.B. 1347	SCIENTIFIC LABORATORY DIVISION 87-1327-C 700 Camino de Salu NE Albuquerque, NM 87106 841-2570 1 1 plu
S'IV	REPORT TO: DAVIN BOYES SL.D. No. OR-1327 AP N.M. Dil Conservation Div DATE REC. 8-7-87
 87- 1342 -C	<u>P.O. Box 2088</u> <u>Santa Fe 87504-2088</u> PRIORITY <u>3</u> PHUNE(S): <u>827-5812</u> Santa Fe 87504-2088 PHUNE(S): <u>827-5812</u>
	COLLECTION CITY: <u>1900m</u> ; ela COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) <u>81701810141101/15</u>
	USER CODE: [8]2]2;3]5] SUBMITTER: 1. 0/3 m CODE:
	SAMPLE TYPE: WATER X SOIL 1, FOOD 1, OTHER:
	This form accompanies Septum Vials, Glass Jugs, and/or Samples were preserved as follows: NP: No Preservation; Sample stored at room temperature. P-Ice Sample stored in an ice bath (Not Frosen). P-Na S O 2 2 3 Sample Preserved with Sodium Thiosulfate to remove chlorine residual.
	ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required. PURGEABLE SCREENS (753) Aliphetic Hadapage (1-5 Cathons)
	(753) Aniphatic Headipace (1-5 Carboni) [(751) Aliphatic Hydrocarbonis (754) Aromatic & Halogenated Purgeables [(755) Base/Neutral Extractables (765) Mass Spectrometer Purgeables [(758) Herbicides, Chlorophenoxy acid (766) Trihalomethanes [(759) Herbicides, Triazines Other Specific Compounds on Closure [(760) Operaceblation Particides
	Other Specific Compounds or Classes (760) Organochionne Pesticides (761) Organophosphate Pesticides (767) Polychlorinated Biphenyls (PCB's) (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides
	Remarks:
	FIELD DATA: pH=; Conductivity=umho/cm at°C; Chlorine Residual=mg/l Dissolved Oxygen=mg/l: Alkalinity=mg/l; Flow Rate/
	Depth to waterft.; Depth of wellft.; Perforation Intervalft.; Casing: 2 ^{ll} PVC
	Jenners - Valdez MW 11
	I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Willin (Man Method of Shipment to the Lab: 4970
-	CHAIN OF CUSTODY
	at (location) on: and t
	the statements in this block are correct. Evidentiary Seals: Not Sealed <u>OR</u> Seals Intact: Yes <u>No</u> Signatures
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ANALYSES PERFO, MED		LAB. No .: OR- 1321 /134	12
THIS P	AGE FOR LABO	RATORY RESULTS ONLY	
This sample was tested using the analytical so	creening method(s)	checked below:	
PURCEABLE SCREENS (753) Aliphatic Headspace (1-5 Carbons) (754) Aromatic & Halogenated Purgeables (765) Mass Spectrometer Purgeables (766) Trihalomethanes Other Specific Compounds or Classe	e8	EXTRACTABLE SCREENS (751) Aliphatic Hydrocarbons (755) Base/Neutral Extractables (758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines (760) Organochlorine Pesticides (761) Organophosphate Pesticides (767) Polychlorinated Biphenyls (PCB's (764) Polynuclear Aromatic Hydrocarbo (762) SDWA Pesticides & Herbicides) ns
COMPOUND(S) DETECTED	CONC.	COMPOUND(S) DETECTED	CONC.
denand		annatia Auranakin	(PPB
Secon Space		halas the diament	
MetHAME MOL: 5 pp	a Topau	- parogenaria purgenti	N.Vr
			!
	1		!
			!
			!
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• DETECTION LIMIT •		- DETECTION LIMIT -	1149/1
ABBREVIATIONS USED: N D = NONE DETECTED AT OR ABO T R = DETECTED AT A LEVEL BELO [RESULTS IN BRACKETS] ARE UNCO	VE THE STATED W THE STATED ONFIRMED AND/O	DETECTION LIMIT DETECTION LIMIT (NOT CONFIRMED) R WITH APPROXIMATE QUANTITATION	
LABORATORY REMARKS:			
•			
			<u></u>
S CERTIFIC	CATE OF ANALY	TICAL PERSONNEL	
Seal(s) Not Sealed Intact: Yes No	Seal(s) broken b edures on handling t the analytical re- signature:	and analysis of this sample unless otherwise no sults for this sample. Beenules ; May C-Ullin	sted and
I certify that I have reviewed and concur with t Reviewers signature: <u>Mayunlin</u>	he analytical result	s for this sample and with the statements in t	his block.
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H ENVIRONMENT	SCENTIFIC LABORA RGANIC ANALYSIS F Organic Section - Ph	TORY DIVISION 754 REQUEST F M pic 88- 1062-C one: 841-2570 W
REPORT TO:	DAVID BOYER	S.L.D. No. OR- 1062 A+B
	N.M. OIL CONSERVATION DIVIS	$\frac{1}{10N} \text{DATE REC.} 7 - 1 - 88$
	P.O. Box 2088	PRIORITY
	Santa Fe, NM 87504-2088	PHONE(S): 827-5812
COLLECTION	CITY: BLOOMFIELD	: COUNTY: SPAN JURIU
COLLECTION	DATE/TIME CODE: (Year-Month-Day-Hour-Minute	181810151218101813101
LOCATION CO	DE: (Townshin-Range-Section-Tracts) $ \mathcal{Z} \mathcal{G} \mathcal{A}$	(1 + (1 + 2) + 2) + 4 + 4 - 2 - 3 + (10 + 24342)
USER CODE:		$id \text{ Boyor} \qquad \qquad \text{CODE}(21.610.1)$
SAMPLE TYPE	WATER IN SOUL FOOD OTHER:	
This form accol Samples were p NP: P-Ice P-AA P-HCl ANALYSES RE required. Whene (753) Aliph	mpanies Septum Vials, Glass Jugs, preserved as follows: No Preservation; Sample stored at room temper Sample stored in an ice bath (Not Frosen). Sample Preserved with Ascorbic Acid to remov Sample Preserved with Hydrochloric Acid (2 d QUESTED: Please check the appropriate box(es) I ever possible list specific compounds suspected or in <u>PURGEABLE SCREENS</u> natic Headspace (1-5 Carbons)	and/or rature. re chlorine residual. rops/40 ml) below to indicate the type of analytical screens required. <u>EXTRACTABLE SCREENS</u> [] (751) Aliphatic Hydrocarbons
(754) Arom	atic & Halogenated Purgeables	(755) Base/Neutral Extractables
(765) Mass	spectrometer Furgeables	(759) Herbicides, Triazines
(774) SDW	A VOC's I (8 Regulated +)	(760) Organochlorine Pesticides
(775) SDW	A VOC's II (EDB & DBCP)	(761) Organophosphate Pesticides
	er Specific Compounds of Classes	(764) Polynuclear Aromatic Hydrocarbons
		(762) SDWA Pesticides & Herbicides
Remarks:	TENNECO VALGEZ A.	1 mw 11
FIELD DATA: pH=7_; C Dissolved Oxyge Depth to water Sampling Locati	Conductivity= <u>460</u> umho/cm at <u>/7</u> °C; Chlan=mg/l; Alkalinity=mg/l; Flow R: ft.; Depth of wellft.; Perforation on, Methods and Remarks (i.e. odors, etc.)	orine Residual=mg/l ate/ Intervalft.; Casing:
I certify that t activities.(signati	he results in this block accurately reflect the results collector):	alts of my field analyses, observations and Method of Shipment to the Lab:
CHAIN OF CU	ISTOD Y	
I certify that t	his sample was transferred from	to
at (location) the statements Signatures	in this block are correct. Evidentiary Seals: Not 3	on/: and that Sealed [] OR Seals Intact: Yes [] No []
For OCD	use: Date owner notified:	Phone or Letter? Initials

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ANALYSES PERFO, MED		LAB. No.: OR- 1326/	341
THIS PA	GE FOR LABOR	LATORY RESULTS ONLY	
This sample was tested using the analytical scr	eening method(s)	checked below:	
PURCEABLE SCREENS (753) Aliphatic Headspace (1-5 Carbons) (754) Aromatic & Halogenated Purgeables (765) Mass Spectrometer Purgeables (766) Trihalomethanes Other Specific Compounds or Classes		EXTRACTABLE SCREENS (751) Aliphatic Hydrocarbons (755) Base/Neutral Extractables (758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines (760) Organochlorine Pesticides (761) Organophosphate Pesticides (761) Organophosphate Pesticides (764) Polychlorinated Biphenyls (PCB'd) (764) Polynuclear Aromatic Hydrocarbod (762) SDWA Pesticides & Herbicides	s) ons
COMPOUND(S) DETECTED	JALYTICA conc.	COMPOUND(S) DETECTED	CONC.
1/		the and the	IPPB'
acospace		anomalie passesee	N.K.
METHAME MOL = Spm	24 pm	hallogena lea pusepatter	<i>N`,D`,</i>
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* DETECTION LIMIT *		+ DETECTION LIMIT +	1 147/1
BBREVIATIONS USED: N D = NONÉ DETECTED AT OR ABOV T R = DETECTED AT A LEVEL BELOW [RESULTS IN BRACKETS] ARE UNCON	E THE STATED THE STATED FIRMED AND/O	DETECTION LIMIT - DETECTION LIMIT (NOT CONFIRMED) R WITH APPROXIMATE QUANTITATION	
DRATORY REMARKS:			
			<u>,, ,, ,, = =,,</u>
	ATE OF ANALY	PICAL PERSONNEL	
s) Not Sealed [2] Intact: Yes [] No []. tify that I followed standard laboratory proced the statements on this page accurately reflect (s) of analysis: 8/11/87 9/14/87 Analyst's t	Seal(s) broken b lures on handling the analytical res signature:	y: date: and analysis of this sample unless otherwise no sults for this sample.	oted and
tify that I have reviewed and concur with the ewers signature: <u>Meyphlin</u>	e analytical result	s for this sample and with the statements in t	INIS DIOCK.

	RGANIC ANALYSIS R Organic Section - Pho	ORY DIVISION 754 EQUEST FUN WPW 88-1061-8 one: 841-2570
REPORT TO: DAVID BO	YER	S.L.D. No. OR- 1661 H
N.M. OIL	CONSERVATION DIVIS	$\frac{100}{100} \text{ date rec. } 7 - 1 - 88$
P.O. Box	2088	PRIORITY
<u>Santa Fe</u>	, NM 87504-2088	PHONE(S): 827-5812
COLLECTION CITY:	LOOMFIELD	; COUNTY: SAN JUAN
COLLECTION DATE/TIME COD	E: (Year-Month-Day-Hour-Minute	8806280845
LOCATION CODE: (Township-Ra	inge-Section-Tracts) $ \frac{\partial}{\partial} 9 N$	+ $1 1 w + 3 4 + 4 2 3 (10 N06 E24342)$
USER CODE: 82223	5 SUBMITTER: Davi	d BoyerCODE: 2 6 0
SAMPLE TYPE: WATER [X], S	OIL [_], FOOD [_], OTHER:	· · · · · · · · · · · · · · · · · · ·
This form accompanies Se Samples were preserved as follows Description NP: No Preservation P-Ice Sample stored P-AA Sample Preserv ANALYSES REQUESTED: Please required. Whenever possible list a PURGEABLE S DI (753) Aliphatic Headspace (1 (754) Aromatic & Halogenate (765) Mass Spectrometer Pur (766) Trihalomethanes (774) SDWA VOC's I (8 R (775) SDWA VOC's I (8 R (775) SDWA VOC's I (8 R Other Specific Comportion Remarks:	ptum Vials, Glass Jugs, s s: a; Sample stored at room temper- in an ice bath (Not Frosen). red with Ascorbic Acid to remove red with Hydrochloric Acid (2 dr check the appropriate box(es) b specific compounds suspected or r <u>CREENS</u> -5 Carbons) red Purgeables regeables regeables regulated +) 3 & DBCP) unds or Classes <u>MALAE Z A 1</u> <u>MALAE Z A 1</u>	and/orature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. ature. a
FIELD DATA:		
pr=; Conductivity=_//	umno/cm at _/ / C; Chio	rine residuai=mg/1
Depth to water ft · Deni	the of well ft.: Perforation	Interval - ft.: Casing:
Sampling Location, Methods and	Remarks (i.e. odors, etc.)	
BRILED 4	×	
I certify that the results in this activities.(signature collector):	block accurately reflect the resul	Its of my field analyses, observations and Method of Shipment to the Lab:
CHAIN OF CUSTODY		
I certify that this sample was tr	ansferred from	to
at (location)		on and that
the statements in this block are	correct. Evidentiary Seals: Not S	ealed _ OH Seals Intact: Yes [_ No]
Signatures		

For OCD use: Date owner notified:_____ Phone or Letter? Initials____

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ANALYSES PERF

LAB. ____.: OR-__//6/____

	E FOR LADO	RATORT RESOLTS ONLY	
This sample was tested using the analytical screening method(s) checked below:			
PURGEABLE SCREENS (753) Aliphatic Headspace (1-5 Carbons) X (754) Aromatic & Halogenated Purgeables (765) Mass Spectrometer Purgeables (766) Trihalomethanes (774) SDWA VOC's I (8 Regulated +) (775) SDWA VOC's II (EDB & DBCP) Other Specific Compounds or Classes		EXTRACTABLE SCREENS (751) Aliphatic Hydrocarbons (755) Base/Neutral Extractables (758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines (760) Organochlorine Pesticides (761) Organophosphate Pesticides (767) Polychlorinated Biphenyls (PCB's) (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides	
AN	ALYTICA	L RESULTS	
COMPOUND(S) DETECTED	CONC. [PPB]	COMPOUND(S) DETECTED	CONC.
aromatia surarables	N.D.		
halogenatted purseables	N.l.		
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• DETECTION LIMIT • 🗶	.5-49/L	+ DETECTION LIMIT + +	
ABBREVIATIONS USED: N D = NONE DETECTED AT OR ABOVE T R = DETECTED AT A LEVEL BELOW [RESULTS IN BRACKETS] ARE UNCONF	THE STATEI The Statei Irmed And/	D DETECTION LIMIT D DETECTION LIMIT (NOT CONFIRMED) OR WITH APPROXIMATE QUANTITATION	
LABORATORY REMARKS:			
			(
CERTIFICAT	E OF ANALY	TICAL PERSONNEL	
Seal(s) Not Sealed \square Intact: Yes \square No \square . So I certify that I followed standard laboratory procedure that the statements on this page accurately reflect the Date(s) of analysis: $7/1/8-3$. Analysi's sign	eal(s) broken es on handling e analytical re nature:	by: <u>Mathematical</u> date: and analysis of this sample unless otherwise noted esults for this sample.	and
I certify that I have reviewed and concur with the a Reviewers signature: Kneyphile	analytical resul	ts for this sample and with the statements in this	block.
<i>J</i>			

339: AB	SCIENTIFIC LABORATONY DIVISION 700 Camino de Salue NE Albuquerque, NM 87106 841-2570
87-1339-C	REPORT TO: Drive Boyer S.L.D. No. OR-1324 D.B
g-11-87	<u>N.M. Oil Conservation Division</u> DATE REC. <u>8-7-87</u> <u>P(Oi Box 2088</u> <u>Santa Fe 87504-2058</u> COLLECTION CITY: <u>Bloomfield</u> COLLECTION DATE/TIME CODE: (Note Month Date Have Minute) 1817101810141(0191315)
	LOCATION CODE: (Township-Range-Section-Tracts) $\left\lfloor \frac{2}{2} \right\rfloor \frac{9}{1} \left[\frac{1}{1} \right] \left[\frac{1}{1} \right] \left[\frac{1}{1} \right] \left[\frac{1}{2} \right] \left$
	USER CODE: 181212; 315 SUBMITTER: Bill Olson CODE:
	SAMPLE TYPE: WATER XI, SOIL LI, FOOD LI, OTHER:
	This form accompanies Septum Vials, Glass Jugs, and/or Samples were preserved as follows: NP: No Preservation; Sample stored at room temperature. P-Ice Sample stored in an ice bath (Not Frosen). P-Na \$0 Sample Preserved with Sodium Thiosulfate to remove chlorine residual.
	ANALYSES BEQUESTED: Please check the appropriate box(ss) below to indicate the type of analytical screens required. <u>PURGEABLE SCREENS</u> EXTRACTABLE SCREENS (753) Aliphatic Headspace (1-5 Carbons) (751) Aliphatic Hydrocarbons (754) Aromatic & Halogenated Purgeables (755) Base/Neutral Extractables (765) Mass Spectrometer Purgeables (753) Herbicides, Chlorophenoxy acid (766) Trihalomethanes (760) Organochlorine Pesticides Other Specific Compounds or Classes (761) Organophosphate Pesticides (767) Polychlorinated Biphenyls (PCB's) (762) SDWA Pesticides & Herbicides Remarks: (762) DATA:
	pH=; Conductivity=umho/cm at°C; Chlorine Residual=mg/l
	Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate/
	Sampling Location, Methods and Remarks (i.e. odors, etc.) <u>Tenneco - Ualue 7 MIN 13</u>
	I certify that the results in this block accurately reflect the results of my field analyses, observations and / activities.(signature collector): <u>Walker</u> <u>Soc</u> Method of Shipment to the Lab: <u>have</u>
	CHAIN OF CUSTODY
	I certify that this sample was transferred from to
	at (location) on on and t
	Signatures
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ANALYSE PERFO MED		LAB No OR- in 11	1330
		TORY RESULTS ONLY	507
This work wated using the exclusion	GE FUR LABURA		<u></u>
PURC EABLE SCREENS (753) Aliphatic Headspace (1-5 Carbons) (754) Aromatic & Halogenated Purgeables (765) Mass Spectrometer Purgeables (766) Trihalomethanes Other Specific Compounds or Classes		EXTRACTABLE SCREENS (751) Aliphatic Hydrocarbons (755) Base/Neutral Extractables (758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines (760) Organochlorine Pesticides (761) Organophosphate Pesticides (761) Organophosphate Biphenyls (PCE (764) Polynuclear Aromatic Hydrocarl (762) SDWA Pesticides & Herbicides	3's) bons
AN	IALYTICAL	RESULTS	
COMPOUND(S) DETECTED	CONC.	COMPOUND(S) DETECTED	со NC. [PPB'
dia AD SDACE		aromatic surgerfler	N.D.
MetHANE MOL = Spp	- 643 pp	haligenated puryubler	<i>N.D.</i>
	_!		l
	_! _!		l
* DETECTION LIMIT *	_\ P	- DETECTION LIMIT +	1/18/2
ABBREVIATIONS USED: N D = NONE DETECTED AT OR ABOVE T R = DETECTED AT A LEVEL BELOW [RESULTS IN BRACKETS] ARE UNCON ABORATORY REMARKS:	E THE STATED D THE STATED DI FIRMED AND/OR	ETECTION LIMIT ETECTION LIMIT (NOT CONFIRMED) WITH APPROXIMATE QUANTITATION	
· · · · · · · · · · · · · · · · · · ·			
E- CERTIFICA eal(s) Not Sealed Intact: Yes No certify that I followed standard laboratory proced hat the statements on this page accurately reflect Pate(s) of analysis: SfiffS7 9/14/87 Analyst's s certify that I have reviewed and concur with the	TE OF ANALYTIC Seal(s) broken by: ures on handling ar the analytical result ignature:	CAL PERSONNEL <u>to Sears</u> date: and analysis of this sample unless otherwise is ts for this sample. <u>and its the strements in</u>	noted and this block.

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1340, P.B 13-11-87 [3-11-87] 153 SCIENTIFIC LABORATONY DIVISION 87-1325-C 700 Camino de Salus NE Albuquerque, NM 87106 841-2570 77901 RONMENT S.L.D. No. OR-1325 A.P. Ukvid Bover REPORT TO: Conservation Pivision --DATE REC. 87-1340-0 Box 2088 PRIORITY Fe 87504-2088 Santa PHUNE(S): 827-5812 Bloomfield COLLECTION CITY: ; COUNTY: San The COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) 18171018101410191/15 LOCATION CODE: (Township-Range-Section-Tracts) $| \phi | \gamma | N + 1 | N + 2 | \gamma + 1 | | | (10N06E2)$ USER CODE: 1812; 315 SUBMITTER: Bill Olion CODE: SAMPLE TYPE: WATER X, SOIL , FOOD , , OTHER: This form accompanies /- Septum Vials, Glass Jugs, and/or Samples were preserved as follows: NP: No Preservation; Sample stored at room temperature. P-lce Sample stored in an ice bath (Not Frozen). P-Na = Solution Solution Solution Solution Preserved with Sodium Thiosulfate to remove chlorine residual.ANALYSES REQUESTED: Please check the appropriate box(es) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required. PURGEABLE SCREENS EXTRACTABLE SCREENS [] (753) Aliphatic Headspace (1-5 Carbons) (751) Aliphatic Hydrocarbons X (754) Aromatic & Halogensted Purgeables (755) Base/Neutral Extractables (765) Mass Spectrometer Purgeables [] (758) Herbicides, Chlorophenoxy acid (766) Trihalomethanes [] (759) Herbicides, Triazines Other Specific Compounds or Classes (760) Organochlorine Pesticides SALCE (761) Organophosphate Pesticides Head [] (767) Polychlorinated Biphenyls (PCB's) (764) Polynuclear Aromatic Hydrocarbons [] (762) SDWA Pesticides & Herbicides Remarks: FIELD DATA: pH=____; Conductivity=____umho/cm at _____°C; Chlorine Residual=____mg/l Dissolved Oxygen=____mg/l; Alkalinity=____mg/l; Flow Rate_____/ Depth to water _____ft.; Depth of well_____ft.; Perforation Interval _____ft.; Casing:__ Sampling Location, Methods and Remarks (i.e. odors, etc.) Tenneco - Valuez Mu-14 I certify that the results in this block accurately heflect the results of my field analyses, observations and activities. (signature collector): Willer Within Method of Shipment to the Lab: Naine CHAIN OF CUSTODY I certify that this sample was transferred from ______ to _____ _____ on ____/____ - ___:____ and t at (location) the statements in this block are correct. Evidentiary Seals: Not Sealed 🗌 OR Seals Intact: Yes 🥅 No 🦳 Signatures

ANALYSES PERFO MED	· ·	LAB. No .: OR- 1325/10	340
THIS PAG	E FOR LABOR.	ATORY RESULTS ONLY	
This sample was tested using the analytical screet	ning method(s) c	hecked below:	
PURCEABLE SCREENS (753) Aliphatic Headspace (1-5 Carbons) (754) Aromatic & Halogenated Purgeables (765) Mass Spectrometer Purgeables (766) Trihalomethanes Other Specific Compounds or Classes		EXTRACTABLE SCREENS (751) Aliphatic Hydrocarbons (755) Base/Neutral Extractables (758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines (760) Organochlorine Pesticides (761) Organophosphate Pesticides (767) Polychlorinated Biphenyls (PCB's (764) Polynuclear Aromatic Hydrocarbo (762) SDWA Pesticides & Herbicides) П5
AN	ALYTICAL	RESULTS	
COMPOUND(S) DETECTED	CONC.	COMPOUND(S) DETECTED	CONC.
WEAD SPACE		halosmated surrichles	N.D.
MetHame MOL = 500m	437 000	astmatic susheafles	N.D.
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DETECTION LIMIT		+ DETECTION LIMIT +	1-49/2
N D = NONE DETECTED AT OR ABOVE T R = DETECTED AT A LEVEL BELOW [RESULTS IN BRACKETS] ARE UNCONF.	THE STATED THE STATED I IRMED AND/OR	DETECTION LIMIT DETECTION LIMIT (NOT CONFIRMED) . WITH APPROXIMATE QUANTITATION	
LABORATORY REMARKS:			
CERTIFICAT CERTIFICAT	TE OF ANALYT	ICAL PERSONNEL	
Seal(s) Not Sealed Intact: Yes No No Sealed Intact: Yes No Source of Sealed Intact: Yes No Sealed Intact: Yes No Sealed Intaction Sealed Interview Sealed Interview Sealed Interview Sealed Sea	Seal(s) broken by res on handling : ne analytical resu mature:	and analysis of this sample unless otherwise no alts for this sample. Burnley Many C. Jam	oted and
I certify that I have reviewed and concur with the	analytical results	for this sample and with the statements in t	his block.
Reviewers signature: Kmeyshein			
<i>U</i>			

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N.M. OIL CONSERVATION DIVISION P.O. Box 2088	DATE REC. $7-1-88$ PRIORITY PHONE(S): $827-5812$; COUNTY: $5AN$ $JUAN$ 8 0 4 3 4 + 4 2 3 (10N06E24342) 14 + 3 + 4 + 4 2 3 (10N06E24342) Dyer CODE: 2 6 0 CODE: 2 6 0 CODE: 2 6 0 EXTRACTABLE SCREENS [(751) Aliphatic Hydrocarbons [(755) Base/Neutral Extractables [(758) Herbicides, Chlorophenoxy acid [(759) Herbicides, Triazines [(760) Organochlorine Pesticides [(761) Organophosphate Pesticides [(761) Organophosphate Pesticides [(761) Organophosphate Pesticides [(764) Polynuclear Aromatic Hydrocarbons [(762) SDWA Pesticides & Herbicides
P.O. Box 2088 Santa Fe, NM 87504-2088 COLLECTION CITY: BLOOMF/ELO COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) LOCATION CODE: (Township-Range-Section-Tracts) SAMPLE TYPE: WATER [X], SOIL [], FOOD [], OTHER: This form accompanies Septum Vials, Glass Jugs, and/or Samples were preserved as follows:	PRIORITY PHONE(S): <u>827-5812</u> ; COUNTY: <u>5AN JUAN</u> <u>18 0 4 3 8 0 9 0 0</u> <u>14 4 + 3 4 + 4 2 3 (10N06E24342)</u> pyer CODE: <u>2 6 0</u> CODE: <u>2 6 0</u> <u>EXTRACTABLE SCREENS</u> (751) Aliphatic Hydrocarbons (755) Base/Neutral Extractables (758) Herbicides, Chlorophenoxy acid (758) Herbicides, Triazines (760) Organochlorine Pesticides (761) Organophosphate Pesticides (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides
Santa Fe, NM 87504-2088 COLLECTION CITY: BLOOMFIELD COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) COLLECTION CODE: (Township-Range-Section-Tracts) Image: Section-Tracts) LOCATION CODE: (Township-Range-Section-Tracts) Image: Section-Tracts) Image: Section-Tracts) LOCATION CODE: (Township-Range-Section-Tracts) Image: Section-Tracts) Image:	PHONE(S): <u>827-5812</u> ; COUNTY: <u>5AN JUAN</u> <u>80439990</u> <u>80439990</u> <u>140439990</u> <u>14043990</u> <u>14043990</u> <u>14043990</u> <u>14043990</u> <u>14044390</u> <u>14044390</u> <u>140443900</u> <u>140443900</u> <u>140443900</u> <u>140443000</u> <u>140443000000000000000000000000000000000</u>
COLLECTION CITY: BLOOMFIELD COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) LOCATION CODE: (Township-Range-Section-Tracts) If	$\frac{(OUNTY: 5AN JUAN}{ & 0 A $
COLLECTION DATE/TIME CODE: (Year-Month-Day-Hour-Minute) \$ LOCATION CODE: (Township-Range-Section-Tracts) \$ \$ LUSER CODE: 8 2 2 3 5 SUBMITTER:	ine residual. ml) o indicate the type of analytical screens EXTRACTABLE SCREENS (751) Aliphatic Hydrocarbons (755) Base/Neutral Extractables (758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines (760) Organochlorine Pesticides (761) Organophosphate Pesticides (762) SDWA Pesticides & Herbicides
LOCATION CODE: (Township-Range-Section-Tracts) If	ine residual. ml) o indicate the type of analytical screens EXTRACTABLE SCREENS [(751) Aliphatic Hydrocarbons [(755) Base/Neutral Extractables [(758) Herbicides, Chlorophenoxy acid [(759) Herbicides, Triazines [(760) Organochlorine Pesticides [(761) Organophosphate Pesticides [(762) SDWA Pesticides & Herbicides
USER CODE: 8 2 2 3 5 SUBMITTER: David B SAMPLE TYPE: WATER 1, SOIL 1, FOOD 1, OTHER: This form accompanies Septum Vials, Glass Jugs, and/or Samples were preserved as follows: NP: No Preservation; Sample stored at room temperature. P-Ice Sample stored in an ice bath (Not Frosen). P-AA Sample Preserved with Ascorbic Acid to remove chlor P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ANALYSES REQUESTED: Please check the appropriate box(es) below to required. Whenever possible list specific compounds suspected or required PURGEABLE SCREENS (753) Aliphatic Headspace (1-5 Carbons) (754) Aromatic & Halogenated Purgeables (766) Trihalomethanes (774) SDWA VOC's I (8 Regulated +) (775) SDWA VOC's I (8 Regulated +) (775) SDWA VOC's I (8 Regulated +) (775) SDWA VOC's I (0DB & DBCP) Other Specific Compounds or Classes	ine residual. ml) o indicate the type of analytical screens EXTRACTABLE SCREENS [(751) Aliphatic Hydrocarbons [(755) Base/Neutral Extractables] (758) Herbicides, Chlorophenoxy acid] (759) Herbicides, Triazines [(760) Organochlorine Pesticides [(761) Organophosphate Pesticides] (761) Organophosphate Pesticides] (762) SDWA Pesticides & Herbicides
SAMPLE TYPE: WATER [X], SOIL [_], FOOD [_], OTHER: This form accompanies Septum Vials, Glass Jugs, and/or Samples were preserved as follows: NP: No Preservation; Sample stored at room temperature. P-Ice Sample stored in an ice bath (Not Frozen). P-A Sample Preserved with Ascorbic Acid to remove chlor P-HCl Sample Preserved with Hydrochloric Acid (2 drops/40 ANALYSES REQUESTED: Please check the appropriate box(es) below to required. Whenever possible list specific compounds suspected or required. PURGEABLE SCREENS (753) Aliphatic Headspace (1-5 Carbons) X (754) Aromatic & Halogenated Purgeables (765) Mass Spectrometer Purgeables (766) Trihalomethanes (774) SDWA VOC's I (8 Regulated +) (775) SDWA VOC's II (EDB & DBCP) Other Specific Compounds or Classes Atemarks: TENNEC D VALOE Z PATA:	ine residual. ml) o indicate the type of analytical screens EXTRACTABLE SCREENS [(751) Aliphatic Hydrocarbons [(755) Base/Neutral Extractables] (758) Herbicides, Chlorophenoxy acid [(759) Herbicides, Chlorophenoxy acid [(759) Herbicides, Triazines [(760) Organochlorine Pesticides [(761) Organophosphate Pesticides [(761) Organophosphate Pesticides [(762) Polychlorinated Biphenyls (PCB's)] (762) SDWA Pesticides & Herbicides
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Remarks: TENNECO VALDEZ AI M] (762) SDWA Pesticides & Herbicides
Remarks: TENNECO VALDEZ AI M	
TELD DATA:	W14
PIELD DATA:	
PH= 7; Conductivity= $1/50$ umho/cm at 8.5 C; Chlorine F	esidual=mg/l
Dissolved Oxygen= mg/l; Alkalinity= mg/l; Flow Rate	
Depth to water ft.: Depth of well ft.: Perforation Interv	
Sampling Location Methods and Remarks (i.e. odors etc.)	
certify that the results in this block accurately reflect the results of activities.(signature collector):	my field analyses, observations and Method of Shipment to the Lab:
CHAIN OF CUSTODY	
certify that this sample was transferred from	to
t (location) on	and that
he statements in this block are correct. Evidentiary Seals: Not Sealed	OR Seals Intact: Yes 🗌 No 🔲

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ANALYSES PERFORMED	, , ,	LAB: OR- 1060	• ,
THIS PA	AGE FOR LABO	RATORY RESULTS ONLY	
This sample was tested using the analytical sci	reening method(s)	checked below:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
PURGEABLE SCREENS (753) Aliphatic Headspace (1-5 Carbons) (754) Aromatic & Halogenated Purgeables (765) Mass Spectrometer Purgeables (766) Trihalomethanes (774) SDWA VOC's I (8 Regulated +) (775) SDWA VOC's II (EDB & DBCP) Other Specific Compounds or Classes	8	EXTRACTABLE SCREENS (751) Aliphatic Hydrocarbons (755) Base/Neutral Extractables (758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines (760) Organochlorine Pesticides (761) Organophosphate Pesticides (767) Polychlorinated Biphenyls (PCB's) (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides	1
14_	VALYTICA	L RESULTS	
COMPOUND(S) DETECTED	CONC. [PPB]	COMPOUND(S) DETECTED	CONC. [PPB]
inomatic supportes			
leman for the second	T.R.		
- the	T.B.		
	- T Q		
elhybennene	- 1.K.		
pt m- Uxyline	3.6		┝───┤╽
0-xylent	T.R.		
halogenated suspentiles	N.U.		
		· · · · · · · · · · · · · · · · · · ·	
<i>v</i>			
• DETECTION LIMIT • *	5-17/2	+ DETECTION LIMIT + +	
ABBREVIATIONS USED: N D = NONE DETECTED AT OR ABOV T R = DETECTED AT A LEVEL BELO [RESULTS IN BRACKETS] ARE UNCO	/E THE STATED W THE STATED NFIRMED AND/(DETECTION LIMIT DETECTION LIMIT (NOT CONFIRMED) DR WITH APPROXIMATE QUANTITATION	
LABORATORY REMARKS:	_ confiim	ed by mass spectromet	ry
CERTIFIC	ATE OF ANALY	TICAL PERSONNEL	
Seal(s) Not Sealed I Intact: Yes No	Seal(s) broken b lures on handling the analytical re	by: <u></u>	d and

Date(s) of analysis: <u>37</u> 7/4/88. Analyst's signature: <u>Name Constraints</u> I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. Reviewers signature: <u>Meyernem</u>

Tenneco Oil Company

Rocky Mountain Division P.O. Box 3249 Englewood, Colorado 80155 (303) 740-4800

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Delivery Address: 6162 South Willow Drive Englewood, Colorado 80111

SEP 1 4 1997 September 10, 1987

CERTIFIED MAIL RETURN RECEIPT REQUESTED

State of New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, New Mexico 87501

Attention: Ms. Bailey

Dear Ms. Bailey:

Attached is the analysis of the samples that were taken on August 5, 1987 at the Valdez Al well. Also attached is the drafted site diagram.

Please call me after you have reviewed the diagram and the analytical results.

Very truly yours,

TENNECO OIL COMPANY

W. Bupy Martin

Martin W. Buys Staff Environmental/Safety Coordinator

MWB/cmf:2985a

Attachment




BENZENE/ TOLUENE/ ETHYLBENZENE/ XYLENES (BTX)

EPA METHOD 602

Client Name: TENNECO O	IL COMPANY					
Client ID: VALDEZ A1 #1	1					
Laboratory ID: 64218-001	Enseco ID:	Enseco ID: 64218-001				
Matrix: Water	Sampled: 08/04/87		Received: 08/05/87			
Authorized: 08/05/87			Analyzed: 08/11/87			
<u>Parameter</u>	Res	<u>sult</u>	<u>Units</u>	Reporting <u>Limit</u>		
Benzene	N	ſ. D .	ug/L	0.50		
Ethylbenzene	N	ſ. D .	ug/L	0.50		
Toluene	N	. D .	ug/L	0.50		
Xylene,m	N	í. D .	ug/L	0.50		
Xylenes,o & p	N	. D .	ug/L	0.50		

N.D. = Not detected Reported by: Mike Faught

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Approved by: Maureen McDevitt

Sample: 64218-001

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🗲 Enseco

METALS PARAMETERS

Client Name: TENNECO OIL COMPANY Client ID: VALDEZ A1 #11 Laboratory ID: 64218-001 Enseco ID: 64218-001 Matrix: Water Sampled: 08/04/87 Received: 08/05/87 Authorized: 08/05/87 Reporting Analytical <u>Result</u> <u>Limit</u> <u>Parameter</u> <u>Units</u> <u>Method</u> <u>Analyzed</u> Calcium 142 mg/L 0.1 200.7 08/20/87 Iron 3.0 mg/L 0.05 200.7 08/20/87 Magnesium 8.8 0.1 200.7 08/20/87 mg/L Potassium N.D. mg/L 5 200.7 08/20/87 Sodium 200.7 28 0.05 mg/L 08/20/87

N.D. = Not detected

Approved by: Will Pratt

🗲 Enseco

INORGANIC PARAMETERS

Client Name: TENNECO OIL COMPANY

Client ID: VALDEZ A1 #11

Laboratory ID: 64218-001

Enseco ID: 64218-001

Matrix: Water

Sampled: 08/04/87 Received: 08/05/87

Authorized: 08/05/87

Parameter	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	<u>Analyzed</u>
рН	7.47	units	0.01	150.1	08/05/87
Specific Conductance @ 25C	727	umhos/cm	1	120.1/9050	08/05/87
Total Dissolved Solids	540	mg/L	10	160.1	08/12/87
Fluoride	0.7	mg/L	0.1	340.2	08/18/87
Chloride	4	mg/L	3	300.0	08/09/87
Nitrate + Nitrite as N	N.D.	mg/L	0.1	353.2	08/11/87
Sulfate	115	mg/L	5	300.0	08/09/87
Total Alkalinity as CaCO3	287	mg/L	5	310.1/403	08/05/87
Bicarb. Alkalinity as CaCO3	287	mg/L	5	310.1/403	08/05/87
Carbonate Alkalinity as CaCO	3 N.D.	mg/L	5	310.1/403	08/05/87
Ammonia as N	N.D.	mg/L	0.1	350.1	08/11/87
Total Cations	9.2	meq/L	0.1	104C	08/24/87
Total Anions	8.3	meq/L	0.3	104C	08/24/87
% Difference	5.2	%	0.1	104C	08/24/87

N.D. = Not detected

Approved by: Lindsay Breyer

ION BALANCE RESULTS for sample #64218001

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CATION ANALYSIS

ELEMENT	mg/L	meg/L
Ca	142.000	7.0858
Fe+2	ND	0.0000
Fe+3	3.000	0.161.
Mg	2.800	0.7242
ж. Ж	ND	0.0000
Na	28.000	1.2 80
NH4	ND	0.0000
TOTAL	181.800	 P.1291

ANIC ANALYSIS

ELEMENT	mg/L	meq.4 L
C1 F 504 A1k N02+N03	4.000 0.700 115.000 172.200 ND	C.1128 G.3553 2.3920 5.7400 G.0985
TOTAL	291.930	٤.28:5

SUMMARY

% DIFFERENCE = 5.195 *CATIONS + ANIONB (mg/L) = 473.700 TDS =540.000 HARDNESS = 391.080 CALCULATED THEORETICAL CONDUCTIVITY = 978.2662 MEASURED CONDUCTIVITY = 727.0000 THEORETICAL/MEASURED CONDUCTIVITY RATIO = 1.346 MEASURED CONDUCTIVITY/TDS RATIC = 1.346

ND - Not Detected

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BENZENE/ TOLUENE/ ETHYLBENZENE/ XYLENES (BTX)

EPA METHOD 602

Client Name: TENNECO OIL COMPANY							
Client ID: VALDEZ A1 #12							
Laboratory ID: 64218-002	Enseco ID: 6	Enseco ID: 64218-002					
Matrix: Water	Sampled: 08/04/87	Rec	eived: 08/05/87				
Authorized: 08/05/87	Analyzed: 08/11/87						
				Reporting			
Parameter	Resi	<u>ilt</u>	<u>Units</u>	<u>Limit</u>			
Parameter Benzene	<u>Resi</u> N.I	<u>ult</u> D.	<u>Units</u> ug/L	<u>Limit</u> 0.50			
Parameter Benzene Ethylbenzene Toluene	<u>Resi</u> N.1 (<u>ult</u> D. D.56 D.58	<u>Units</u> ug/L ug/L	<u>Limit</u> 0.50 0.50 0.50			
Parameter Benzene Ethylbenzene Toluene Xylene,m	<u>Resi</u> N.I ((N.I	p. 0.56 0.58 0.	<u>Units</u> ug/L ug/L ug/L ug/L	<u>Limit</u> 0.50 0.50 0.50 0.50			

N.D. = Not detected Reported by: Mike Faught

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Approved by: Maureen McDevitt

METALS PARAMETERS

Client Name: TENNECO OIL COMPANY Client ID: VALDEZ A1 #12 Laboratory ID: 64218-002 Enseco Matrix: Water Sampled: 08/04/87

Enseco ID: 64218-002

Received: 08/05/87

Authorized: 08/05/87

Parameter	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	<u>Analyzed</u>
Calcium	161	mg/L	0.1	200.7	08/20/87
Iron	7.8	mg/L	0.05	200.7	08/20/87
Magnesium	14	mg/L	0.1	200.7	08/20/87
Potassium	N.D.	mg/L	5	200.7	08/20/87
Sodium	62	mg/L	0.05	200.7	08/20/87

N.D. = Not detected

Approved by: Will Pratt

INORGANIC PARAMETERS

Client Name: TENNECO OIL COMPANY

Client ID: VALDEZ A1 #12

Laboratory ID: 64218-002

Authorized: 08/05/87

Enseco ID: 64218-002

Matrix: Water

Sampled: 08/04/87 Received: 08/05/87

			Reporting	Analytical	
<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Limit</u>	<u>Method</u>	<u>Analyzed</u>
pH	7.55	units	0.01	150.1	08/05/87
Specific Conductance @ 25C	904	umhos/cm	1	120.1/9050	08/05/87
Total Dissolved Solids	660	mg/L	10	160.1	08/12/87
Fluoride	0.8	mg/L	0.1	340.2	08/18/87
Chloride	21	mg/L	3	300.0	08/09/87
Nitrate + Nitrite as N	0.2	mg/L	0.1	353.2	08/11/87
Sulfate	180	mg/L	5	300.0	08/09/87
Total Alkalinity as CaCO3	337	mg/L	5	310.1/403	08/05/87
Bicarb. Alkalinity as CaCO3	337	mg/L	5	310.1/403	08/05/87
Carbonate Alkalinity as CaCO3	8 N.D.	mg/L	5	310.1/403	08/05/87
Ammonia as N	2.3	mg/L	0.1	350.1	08/11/87
Total Cations	12.5	meq/L	0.1	104C	08/24/87
Total Anions	11.1	meq/L	0.3	104C	08/24/87
% Difference	5.7	%	0.1	104C	08/24/87

N.D. = Not detected

Approved by: Lindsay Breyer

ION BALANCE RESULTS for sample #64218002

ELEMENT	mg/L	me q / L
Ca	161.000	8.0339
Fe+2	ND	0.0000
Fe+3	7.800	0.4189
Ma	14.000	1.1522
ĸ	ND	0.0000
Na	62.000	2.6973
NH4	2.300	0.1643
TOTAL	247.100	12.4562

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ELEMENT	ANION AWALYSIS mg/l	meq/L
	21,000	(.5922
F	C.800	1.0420
204	186.100	E.744
<i>₽</i> -	202.26L	8,7410
NCL-NOB	0.200	1.0142
 TCTAL	404.200	1:.1326

SUMMARY

% DIFFERENCE = 5.651 CATIONS + ANIONS (mg/L) = 651.300 TDS =660.000 HARDNESS = 459.900 CALCULATED THEORETICAL CONDUCTIVITY =1333.6232 MEASURED CONDUCTIVITY = 904.0000 THEORETICAL/MEASURED CONDUCTIVITY RATIO = 1.475 MEASURED CONDUCTIVITY/TDS RATIO = 1.370

ND - Not Detected

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10. 19 1. 13 No. 1

0.50

0.50

BENZENE/ TOLUENE/ ETHYLBENZENE/ XYLENES (BTX)

EPA METHOD 602

Client Name: TENNECO O	ient Name: TENNECO OIL COMPANY								
Client ID: VALDEZ A1 #13									
Laboratory ID: 64218-003	Enseco ID: (54218-	003						
Matrix: Water	Sampled: 08/04/87	Received: 08/05/87							
Authorized: 08/05/87		Analyzed: 08/11/87							
<u>Parameter</u>	Res	<u>ult</u>	<u>Units</u>	Reporting <u>Limit</u>					
Benzene	N	.D.	ug/L	0.50					
Ethylbenzene	N	. D .	ug/L	0.50					
Toluene		8.1	ug/L	0.50					

N.D.

N.D.

ug/L

ug/L

N.D. = Not detected Reported by: Mike Faught

Xylene,m

Xylenes, o & p

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Approved by: Maureen McDevitt

METALS PARAMETERS

Client Name: TENNECO OIL COMPANY Client ID: VALDEZ A1 #13 Laboratory ID: 64218-003 Enseco ID: 64218-003 Matrix: Water Sampled: 08/04/87 Rec Authorized: 08/05/87

Parameter	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	<u>Analyzed</u>
Calcium	230	mg/I	0.1	200 7	08/20/87
Iron	29	mg/L	0.05	200.7	08/20/87
Magnesium	25	mg/L	0.1	200.7	08/20/87
Potassium	5	mg/L	5	200.7	08/20/87
Sodium	92	mg/L	0.05	200.7	08/20/87

Received: 08/05/87

N.D. = Not detected

Approved by: Will Pratt

Enseco

INORGANIC PARAMETERS

Client Name: TENNECO OIL COMPANY

Client ID: VALDEZ A1 #13 Laboratory ID: 64218-003

Enseco ID: 64218-003

Matrix: Water

Sampled: 08/04/87 Received: 08/05/87

Authorized: 08/05/87

Parameter	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	<u>Analyzed</u>
pH	7.18	units	0.01	150.1	08/05/87
Specific Conductance @ 25C	1240	umhos/cm	1	120.1/9050	08/05/87
Total Dissolved Solids	890	mg/L	10	160.1	08/12/87
Fluoride	0.8	mg/L	0.1	340.2	08/18/87
Chloride	10	mg/L	3	300.0	08/09/87
Nitrate + Nitrite as N	0.1	mg/L	0.1	353.2	08/11/87
Sulfate	154	mg/L	5	300.0	08/09/87
Total Alkalinity as CaCO3	656	mg/L	5	310.1/403	08/05/87
Bicarb. Alkalinity as CaCO3	656	mg/L	5	310.1/403	08/05/87
Carbonate Alkalinity as CaCO	3 N.D.	mg/L	5	310.1/403	08/05/87
Ammonia as N	1.0	mg/L	0.1	350.1	08/11/87
Total Cations	19.3	meq/L	0.1	104C	08/25/87
Total Anions	16.7	meq/L	0.3	104C	08/25/87
% Difference	7.3	%	0.1	104C	08/25/87

N.D. = Not detected

Approved by: Lindsay Breyer

ION BALANCE RESULTS

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for sample #64218003

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	CATION ANALYSIS		
E_EMENT	mg/1	mec'L	
Ca	230.000	11.4770	
Fe+2	ND	0.000	
Fet3	29.000	1.5573	
r1g	25.000	2.0575	
ĸ	5.000	C.1280	
Na	92.000	4.0029	
NH4	1.000	0.0714	
TOTAL	382.000	19.2932	

ELE":ENT	ANION ANALYSIS Mgy L	med L
	15.185	0.2321
Ę	0.861	0.0421
504	154.000	3,2133
Aik	393.601	13311
N02-N03	5.100	6.0074
Tetal	558.500	1ć.0544

SEMMARY

_____ _____ % DIFFERENCE = 7.341 CATIONS + ANIONS (mg/L) = 940.500 TDS =890.000 HARDNESS = 677.500CALCULATED THEORETICAL CONDUCTIVITY =1871.3109 MEASURED CONDUCTIVITY =1240.0000 THEORETICAL/MEASURED CONDUCTIVITY RATIO = 1.509 MEASURED CONDUCTIVITY/TDS RATIO = 1.393

ND - Not Detected

11

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Enseco

BENZENE/ TOLUENE/ ETHYLBENZENE/ XYLENES (BTX)

EPA METHOD 602

Client Name: TENNECO OI	L COMPANY							
Client ID: VALDEZ A1 #14								
Laboratory ID: 64218-004	Enseco ID: 6	4218-004						
Matrix: Water	Sampled: 08/04/87	Receive	d: 08/05/87					
Authorized: 08/05/87		Analyzed: 08/11/87						
<u>Parameter</u>	Res	<u>ult</u>	<u>Units</u>	Reporting <u>Limit</u>				
Benzene	N	D.	ug/L	0.50				
Ethylbenzene	N.	D.	ug/L	0.50				
Toluene		0.61	ug/L	0.50				
Xylene,m	N.	D.	ug/L	0.50				
Vulance of n		a a c	(T	0.50				

N.D. = Not detected Reported by: Mike Faught

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Approved by: Maureen McDevitt

METALS PARAMETERS

Client Name: TENNECO OIL COMPANY Client ID: VALDEZ A1 #14 Laboratory ID: 64218-004 Enseco ID: 64218-004 Matrix: Water Sampled: 08/04/87 Rec Authorized: 08/05/87

#

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	Analyzed
Calcium	363	mg/L	0.1	200.7	08/20/87
Iron	70	mg/L	0.05	200.7	08/20/87
Magnesium	36	mg/L	0.1	200.7	08/20/87
Potassium	8	- mg/L	5	200.7	08/20/87
Sodium	149	mg/L	0.05	200.7	08/20/87

Received: 08/05/87

N.D. = Not detected

Approved by: Will Pratt

🗲 Enseco

INORGANIC PARAMETERS

Client Name: TENNECO OIL COMPANY

Client ID: VALDEZ A1 #14

Laboratory ID: 64218-004

Authorized: 08/05/87

Enseco ID: 64218-004

Matrix: Water

11

Sampled: 08/04/87

Received: 08/05/87

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	<u>Analyzed</u>
рН	7.44	units	0.01	150.1	08/05/87
Specific Conductance @ 25C	1760	umhos/cm	1	120.1/9050	08/05/87
Total Dissolved Solids	1230	mg/L	10	160.1	08/12/87
Fluoride	0.6	mg/L	0.1	340.2	08/18/87
Chloride	3	mg/L	3	300.0	08/09/87
Nitrate + Nitrite as N	N.D.	mg/L	0.1	353.2	08/11/87
Sulfate	42	mg/L	5	300.0	08/09/87
Total Alkalinity as CaCO3	1060	mg/L	5	310.1/403	08/05/87
Bicarb. Alkalinity as CaCO3	1060	mg/L	5	310.1/403	08/05/87
Carbonate Alkalinity as CaCO	3 N.D.	mg/L	5	310.1/403	08/05/87
Ammonia as N	1.1	mg/L	0.1	350.1	08/11/87
Total Cations	31.6	meq/L	0.1	104C	08/25/87
Total Anions	22.2	meq/L	0.3	104C	08/25/87
% Difference	17.5	%	0.1	104C	08/25/87

N.D. = Not detected

Approved by: Lindsay Breyer

ION BALANCE RESULTS for sample #64218004

CATION ANALYSIS

ELEMENT	mg/L	meç 🔔
Ca	363.000	18.1137
Fe+2	ND	0,0010
Fe+3	70.000	3.7590
Mg	36.000	2.9628
ĸ	8.000	0.2043
Na	149.000	6.4815
NH4	1.100	0.0095
TOTAL	627.100	31.6013

HNEED HWHEYSIE

ELEMENT	₩ <u>₽</u>	п:е ци Ц	
сі = \$04 4°к N02+1-83	E.010 0.200 42.000 22.000 10	2.0346 3.1314 3.6734 3.1376 3.1376 3.123	
757AL	681.600	22,1898	

SUMMARY

% DIFFERENCE =17.495 CATIONS + ANIONS (mg/L) =1308.700 TDS =%1230.000 HARDNESS =1055.100 CALCULATED THEORETICAL CONDUCTIVITY =2602.3046 MEASURED CONDUCTIVITY =1760.0000 THEORETICAL/MEASURED CONDUCTIVITY RATIO = 1.479 MEASURED CONDUCTIVITY/TDS RATIO = 1.431

10.000 L

ND - Not Detected

		4				
<u>Monitoring Well #</u>	_11_	12	13	_14_	<u>Swamp Water</u>	
Elevation of water level(FT)	5462.22	5457.19´	5456.23	5454.11	₩.D .	

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		VALDEZ A	.1	
Results	of	August 7,	1987	Analysis

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Benzene ug/L	N.D.	N.D.	N.D.	N.D.	N.D.
Ethylbenzene ug/L	N.D.	0.56	N.D.	N.D.	N.D.
Toluene ug/L	N.D.	0.58	8.1	0.61	0.54
Xylene, m ug/L	N.D.	N.D.	N.D.	N.D.	N.D.
Xylene, o&p ug/L	N.D.	N.D.	N.D.	0.96	N.D.
рН	7.47	7.55	7.18	7.44	1.56
TDS mg/L	5.40	660	890	1230	920

BENZENE/ TOLUENE/ ETHYLBENZENE/ XYLENES (BTX)

EPA METHOD 602

Client Name: TENNECO OIL COMPANY Client ID: VALDEZ A1 SWAMP WATER Laboratory ID: 64218-005 Enseco ID: 64218-005 Matrix: Water Sampled: 08/04/87 Received: 08/05/87 Authorized: 08/05/87 Analyzed: 08/11/87 Parameter Result Units Reporting Limit

Benzene	N.D.	ug/L	0.50
Ethylbenzene	N.D.	ug/L	0.50
Toluene	0.54	ug/L	0.50
Xylene,m	N.D.	ug/L	0.50
Xylenes,o & p	N.D.	ug/L	0.50

N.D. = Not detected Reported by: Mike Faught

Approved by: Maureen McDevitt

Enseco

METALS PARAMETERS

Client Name: TENNECO OIL COMPANY Client ID: VALDEZ A1 SWAMP WATER Laboratory ID: 64218-005 Sampled: 08/04/87 Matrix: Water

Enseco ID: 64218-005

Received: 08/05/87

Authorized: 08/05/87

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<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	<u>Analyzed</u>
Calcium	157	mg/L	0.1	200.7	08/20/87
Iron	N.D.	mg/L	0.05	200.7	08/20/87
Magnesium	15	mg/L	0.1	200.7	08/20/87
Potassium	N.D.	mg/L	5	200.7	08/20/87
Sodium	72	mg/L	0.05	200.7	08/20/87

N.D. = Not detected

Approved by: Will Pratt

INORGANIC PARAMETERS

Sampled: 08/04/87

Client Name: TENNECO OIL COMPANY

Client ID: VALDEZ A1 SWAMP WATER

Laboratory ID: 64218-005

Enseco ID: 64218-005

Received: 08/05/87

Matrix: Water

Authorized: 08/05/87

Parameter	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	Analyzed
pH	1.56	units	0.01	150.1	08/05/87
Specific Conductance @ 25C	19700	umhos/cm	1	120.1/9050	08/05/87
Total Dissolved Solids	920	mg/L	10	160.1	08/12/87
Fluoride	0.9	mg/L	0.1	340.2	08/18/87
Chloride	N.D.	mg/L	3	300.0	08/09/87
Nitrate + Nitrite as N	0.3	mg/L	0.1	353.2	08/11/87
Sulfate	171	mg/L	5	300.0	08/09/87
Total Alkalinity as CaCO3	N.D.	mg/L	5	310.1/403	08/05/87
Bicarb. Alkalinity as CaCO3	N.D.	mg/L	5	310.1/403	08/05/87
Carbonate Alkalinity as CaCO3	N.D.	mg/L	5	310.1/403	08/05/87
Ammonia as N	0.3	mg/L	0.1	350.1	08/19/87
Total Cations	12.2	meq/L	0.1	104C	08/25/87
Total Anions	3.6	meq/L	0.3	104C	08/25/87
% Difference	54.2	%	0.1	104C	08/25/87

N.D. = Not detected

Approved by: Lindsay Breyer

ION BALANCE RESULTS grup for sample #6421800

	CATION ANALYSIS	
ELEMENT	mg/L	meq/L
Ca	157.000	7.8343
Fe+2	ND	0.0000
Fe+3	ND	0.0000
Mg	15.000	1.2345
к	ND	0.0000
Na	72.000	3.1320
NH4	0.300	0.0214
TOTAL	244.300	12.2222

ELEMENT	ANION ANALYSIS mg/L	meq/L
C1	ND	0.0000
F S04	171.000	0.0473 3.5568
A1k N02+N03	ND 0.300	0.0000 0.0214
TOTAL	172.200	3.6256

SUMMARY

% DIFFERENCE =54.245 CATIONS + ANIONS (mg/L) = 416.500 TDS =920.000 HARDNESS = 454.000 CALCULATED THEORETICAL CONDUCTIVITY = 978.3956 MEASURED CONDUCTIVITY =%19700.0000 THEORETICAL/MEASURED CONDUCTIVITY RATIO = 0.050 MEASURED CONDUCTIVITY/TDS RATIO = 21.413

ND - Not Detected

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04/29/87

INORGANIC PARAMETERS

Client Name: TENNECO OIL COMPANY Client ID: VALDEZ AUGER #1 Laboratory ID: 63342-001

Enseco ID: 63342-001

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413.2

Matrix: Water Sampled: 04/02/87 Received: 04/03/87 Authorized: 04/03/87 Reporting Analytical **Parameter** <u>Result</u> <u>Units</u> <u>Limit</u> <u>Method</u> <u>Analyzed</u> **Total Dissolved Solids** 550 10 160.1 mg/L 04/13/87 Nitrite as N 0.05 0.01 353.2 04/04/87 mg/L Sulfate 300.0 123 mg/L 5 04/08/87 Sulfite 2 N.D. mg/L 377.1 04/06/87

mg/L

N.D.

N.D. = Not detected

Oil & Grease

Approved by: Lindsay Breyer

INORGANIC PARAMETERS

Client Name: TENNECO OIL COMPANY

Client ID: VALDEZ AUGER #2

Laboratory ID: 63342-002

Enseco ID: 63342-002

Received: 04/03/87

Authorized: 04/03/87

Matrix: Water

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	<u>Analyzed</u>
Total Dissolved Solids	895	mg/L	10	160.1	04/13/87
Nitrite as N	0.03	mg/L	0.01	353.2	04/04/87
Sulfate	403	mg/L	5	300.0	04/08/87
Sulfite	N.D.	mg/L	2	377.1	04/06/87
Oil & Grease	2	mg/L	0.5	413.2	04/29/87

Sampled: 04/02/87

N.D. = Not detected

Approved by: Lindsay Breyer

INORGANIC PARAMETERS

Client Name: TENNECO OIL COMPANY Client ID: VALDEZ AUGER #3

Laboratory ID: 63342-003

Enseco ID: 63342-003

Received: 04/03/87

Authorized: 04/03/87

Matrix: Water

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	<u>Analyzed</u>
Total Dissolved Solids	840	mg/L	10	160.1	04/13/87
Nitrite as N	0.02	mg/L	0.01	353.2	04/04/87
Sulfate	270	mg/L	5	300.0	04/08/87
Sulfite	N.D.	mg/L	2	377.1	04/06/87
Oil & Grease	N.D.	mg/L	0.5	413.2	04/29/87

Sampled: 04/02/87

N.D. = Not detected

Approved by: Lindsay Breyer

<u>Analyzed</u>

INORGANIC PARAMETERS

Client Name: TENNECO OIL COMPANY Client ID: VALDEZ AUGER #4 Laboratory ID: 63342-004 Enseco ID: 63342-004 Matrix: Water Sampled: 04/02/87 Received: 04/03/87 Authorized: 04/03/87 Reporting Analytical Parameter <u>Result</u> <u>Units</u> <u>Limit</u> <u>Method</u> **Total Dissolved Solids** 1010 10 mg/L 160.1 04/13/87 Nitrite as N 0.05 353.2 mg/L 0.01 04/04/87 Sulfate 356 mg/L 5 300.0 04/08/87 Sulfite N.D. mg/L 2 377.1 04/06/87 Oil & Grease mg/L 0.5 413.2 04/29/87 N.D.

N.D. = Not detected

Approved by: Lindsay Breyer

INORGANIC PARAMETERS

Client Name: TENNECO (DIL COMPA	COMPANY				
Client ID: VALDEZ AUG	ER #5					
Laboratory ID: 63342-005		Enseco ID:	63342-005			
Matrix: Water	Sample	d: 04/02/87	Received:	04/03/87		
Authorized: 04/03/87				, <u> </u>		
<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>	Analytical <u>Method</u>	Analyzed	
Total Dissolved Solids	785	mg/L	10	160.1	04/13/87	
Nitrite as N	0.03	mg/L	0.01	353.2	04/04/87	
Sulfate	278	mg/L	5	300.0	04/08/87	
Sulfite	N.D.	mg/L	2	377.1	04/06/87	
Oil & Grease	2	mg/L	0.5	413.2	04/29/87	

N.D. = Not detected

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Approved by: Lindsay Breyer



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<i>1/ /op 54.62.11</i>
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SITE PLAN OF
VALDEZ-A #1
PREPARED FOR
TENNECO OIL COMPANY
3400 SOUTHSIDE RIVER ROAD
FARMINGTON, N.M. 87401
KERR LAND SURVEYING
PO Box 991
FARMINATON N. M. 87499
DRAWN BY: W.E.M.II DATE: AUG.10, 1987

Tenneco Oil Company

A Tenneco Company



Rocky Mountain Division P.O. Box 3249 Englewood, Colorado 80155 (303) 740-4800



SANTA FE Mr. Tony Valdez Route 3, Box 100 Bloomfield, New Mexico 87413

Dear Mr. Valdez:

We would like to meet with you and Jami Baily (NMOCD) and install several shallow monitoring wells adjacent to the Valdez A-1 well. We would like to do this on August 3, 1987.

Delivery Address

6162 South Willow Drive Englewood Colorado 80111

July 21, 1987

At this time we will also review with you the results of the testing that has been done so far. Please contact me at (303) 740-2579 if you have any questions. I look forward to seeing you on August 3.

Very truly yours,

TENNECO OIL COMPANY

marty Buys

Martin W. Buys Staff Environmental/Safety Coordinator

MWB/cmf:2908a

cc: Jami Baily New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, New Mexico 87501-2088

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MEMORANDUM OF MEETING OR CONVERSATION

Time 8:30 Date 7/2/87 Personal Telephone Originating Party Other Parties Dave Bower Tannece) ubject Valdez conta ination case scussion Within the next couple of inceks, Tenners well define loose inundaries & make, plans for installing Alvell sounds in Swamp Suth - well sete. Ane point will be upoprouent from auger Hole 5, 1 yound agrerally south of a.H. 6, I point generally south of a.H. I MAR 2010 will be determined on site to define the continuation area . sento + determine contaminant movement. a surpre water Somples will be. sample will be taken for marganic Another taken for VOC. grante - Previous somples showed only reprodued higher auton water n.D. product. onclusions or Agreements We will be notified of the ochedule well some Signed < Jami Poule <u>stribution</u> Marty Burgo

Tenneco Oil Company

A Tenneco Company

Rocky Mountain Division P.O. Box 3249 Englewood, Colorado 80155 (303) 740-4800 TENNECO

Delivery Address: 6162 South Willow Drive Englewood, Colorado 80111

June 3, 1987

State of New Mexico Oil Conservation Division P.O. Box 2088 Santa Fe, New Mexico 87501

Attention: Mr. Boyer

Dear Mr. Boyer:

Attached are two sets of analytical data plus a scale drawn site location map. The samples labeled Valdez #1 through Valdez #6 are the results of the work we did on April 2, 1987. The samples labeled Valdez #7 through Valdez #10 were taken on May 5, 1987.

The map which is drawn to scale was also done on May 5, 1987. The holes were dug using our 3" dia hand auger. All equipment was steam cleaned between holes. The information about each hole is listed on an attached sheet.

Holes #1, #4, #9 and #10 are free of volatile organics. Because of this I believe we have identified the area of contamination.

After you have reviewed the data please call me so we can discuss what further action is necessary.

Very truly yours,

TENNECO OIL COMPANY

Martin W. Duep/

Martin W. Buys Staff Environmental/Safety Coordinator

MWB/cmf:2850a

Attachments







ENNECO CALCULATION SHEET COMPANY TOC DEPT. Ewin / Papety LIDCATION Valdy AI BY M. Buy DATE 5/5/87 #7 Smelley Hydro. Carbon odor hole at edge of swamp TD = 52" DT4 = 40" smelly, H. C. odor # 8 TD = 54" DTW = 38" # 9 TD = 48"DT4 = 6"Mo. H.C. odor at edge of swang #10 10 = 484 no H. C. odor A edge of swamp DTW -- 14/1 a ser a s

CCMPANY

TENNECO

CALCULATION SHEET

DEPT.

SUBJECT

DATE LCCATION 8Y Will #1 2 3 7 9. 10 4 1 5 ļ., NO NO ND 380 NO. ND -87 600 1.0 N.D. Benner 0g11 82 N.D. HO NO NO NO NO. しよ N.D. Ethylbengene ugt ND 790 400 420 2100 100-NO my/L -570 N.D.-450 - m- Kyleni ND-Nº D 430 N.D-180 1300 ND. -17; p-Xylenie ug /L 470 170 300 NB Ą₽ N.D. ND. ND. N.D. NO NO treo NO. ND Toluent m 550 895 840 1010 785 - TDS mill TEN 5604 5/84

	David Bover	547 1
TO:	N M Oil Conservation Divisi	$ \qquad
	P 0 Box 2088	DATE REC
-	Sonta Fe N M 87504-2088	
-	827-5812	
PHONE(S):	David Bover	
SUBMITTER:		
SAMPLE COLLEC	TION CODE: (YYMMDDHHMMIII)	7040210454
SAMPLE TYPE:	WATER A, SOIL A, FOOD , OTH	
COUNTY: JAN	JUAN ; CITY: 8200	
LOCATION CODE	: (Township-Range-Section-Tracts)	$\frac{1}{100} + \frac{1}{100} + \frac{1}$
ANALYSES REQU	JESTED : Please check the appropriate box possible list specific compounds suspecte	(es) below to indicate the type of analytical screens l or required.
	PURGEABLE SCREENS	EXTRACTABLE SCREENS
(753) Aliphati	c Purgeables (1-3 Carbons)	(751) Aliphatic Hydrocarbons
(754) Aromati	c & Halogenated Purgeables	[_] (760) Organochlorine Pesticides [_] (755) Base/Neutral Extractables
[] (766) Trihalor	nethanes	(758) Herbicides, Chlorophenoxy acid
Other	Specific Compounds or Classes	(759) Herbicides, Triazines
K HEA	LA SPACE TEST	(760) Organochlorine Pesticides
	· · · · · · · · · · · · · · · · · · ·	(761) Organophosphate Pesticides
	•	[] (767) Polychlorinated Biphenyls (PCB's)
	······································	(762) SDWA Pesticides & Herbicides
	MAEZ ANGER HOLE	/
	ADDER HOLL	
	+KADIEN]	
FIELD DATA:		
pH=; Cor	iductivity= <u>580</u> umho/cm at <u>74</u> 0	; Chlorine Residual=mg/l
Dissolved Oxygen=	mg/l; Alkalinity=mg/l; Fi	ow Rate//
Depth to water	<u>91.5 ft.;</u> Depth of well <u>125 ft.;</u> Perfo	ration Intervalft.; Casing:
Sampling Location	, Methods and Remarks (i.e. odors, etc.)	
Not PL	J TANK . BESIDE CATTO	E FENCE UPERADIENT H
Vald	en A#1	· .
I contifie that the	results in this block accurately reflect th	e results of my field analyses observations and
activities.(signature	collector):	Method of Shipment to the Lab.
This form accomp	anies 2 Septum Vials, Glass	Jugs, and/or
Samples were pre	served as follows:	
NP:	No Preservation; Sample stored at room	temperature.
P-Ice	Sample stored in an ice bath (Not Froze	n).
CHAIN OF CUS	CODY	to remove chlorine residual.
I certify that this	sample was transferred from	to
at (location)	······································	on / /
the statements :-	this block are compate Duidentian Call	Not Sepled [7] Seele Laterty Ver [7] No.
the statements in	the block are correct. Evidentiary Seals:	ITUE Sealed Seals Infact: Ies NO



LAB. No.: OR- 34

THIS PAGE FOR LABORATORY RESULTS ONLY This sample was tested using the analytical screening method(s) checked below: PURGEABLE SCREENS EXTRACTABLE SCREENS [] (751) Aliphatic Hydrocarbons (753) Aliphatic Purgeables (1-3 Carbons) (760) Organochlorine Pesticides (754) Aromatic & Halogenated Purgeables (765) Mass Spectrometer Purgeables (755) Base/Neutral Extractables [(766) Trihalomethanes (758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines Other Specific Compounds or Classes (760) Organochlorine Pesticides (761) Organophosphate Pesticides (767) Polychlorinated Biphenyls (PCB's) (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides ANALYTICAL RESULTS COMPOUND(S) DETECTED CONC. COMPOUND(S) DETECTED CONC. DECENT. [PPB] HEADSACE ┈Ж * DETECTION LIMIT * + DETECTION LIMIT ABBREVIATIONS USED: N D = NONE DETECTED AT OR ABOVE THE STATED DETECTION LIMIT T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED) [RESULTS IN BRACKETS] ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION wasde LABORATORY REMARKS: ()M& The screen that was not 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 on this page accurately reflect the analytical results for this sample. Date(s) of analysis: 4/13 Analyst's signature: 68 Name med I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. me MAY 1 8 1987 Reviewers signature: K 21-
	New Mexico He SCIENTIFIC LA 700 Camino de Albuquerque, N	aith and ronmer BORATORY DIVISIO Salud NE IM 87106 — (505) 841	nt Department[, 'Δ' DN [-2555]_ ()	141937	ENERAL N and NITR	NATER CHE	۶۶۶ MISTRY س۳ LYSIS
DATE	4 6 87	NO.WC 1072		o □ 59600 🕅	OTHER: 82	235	
Collection DATE	1	SITE INFORM- > ATION	Sample location	VALDEZ	AUGE	R HOLE	5_1
1043 Collected by - Persi BAILE	Agency Y / BOYER	z /0CD	Collection site descriptio	DIRECTLY	N of CATT	PW TANK CE FEN	BESIDE
END INAL EPORT O Att	ENVIRONMEN NM OIL CON State Lanc Santa Fe, n: David Bo	ITAL BUREAU SERVATION DJ Office Bldg NM 87504-20	VISION 9, PO Box 208 88	8		26RAQ E /	JT HOLE
Ph	one: 827-5	812			Station/ well code	Iden A	<i>#)</i>
AMPLING	ONDITIONS				Owner	1	
⊠ Bailed □ Dipped	□ Pump □ Tap	Nater level	1.5 "	Discharge		Sample type	
pH (00400)	7	Conductivity (Unc	corrected)	Water Temp. (00010)	444 90	Conductivity at	25°C (00094)
	RESULTS from	m SAMPLES	Units Date analyze	d From <u>AF</u> ,	NA Sample		Date
Conductiviti 25°C (0009 Total non-fill	y (Corrected) 5) erable		µmho	Calcium	20	<u>A</u>	<u>4/28</u>
residue (su: (00530)	spended)		_ mg/l	Potassium	1.36	mg/1	<u> </u>
Other: Other:			• <u> </u>	_ X Magnesium	<u>b</u> .	mg/1	<u>ulad</u>
Other:			· · · · · · · · · · · · · · · · · · ·		23.3	mg/1	4/14
A-H2SO4				R bicarbonac	<u>- 5</u> - 5	ng/1	4/21
Nitrate-N+	Nitrate-N			= X Sulfate	117	mg/1	4/29
Ammonia-N	total (00610)		_ mg/l	- Total Soli	ds 466	mg/1	4/21
Total Kjeldal (nl-N)		ma/l				
Chemical or	(ygen 340)						
Total organi	carbon		. ''''''' <u></u>	-			
(∃ Other:)			- X Cation/A	nion Bal	Lance	
Other:				- Analyst	Date Re	aported Rev	evered by
aboratory rem	arks	<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>
			,,				
······		·····					

	CATIONS						ANIONS	
ANALYT	E MEQ.	PPM	DE	C.LIMIT	1	ANALYTE	MEQ.	PPM
Ca Mg Na K	5.99 0.50 1.10 0.04	120.00 6.10 25.30 1.56	< < < <	3.0 10.0 10.0 0.5		HCO3 S04 C1	5.33 2.44 0.14	325.00 117.00 5.00
Mn Fe	0.00 0.00	0.00 0.00				NO3 CO3 NH3 PO4	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
SUMS	7.63	152.96					7.90	447.00
TDS (me	asured) =	466.00	ppi	n				
Ion Ba	lance =	96 . 52 ⁹	t			Sample Date o	No. No.	=8701072 C9 4/3#

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	Albuquerque, NM	87106 841-2570 " ENVIRONMENT "
D:	David Boyer	<u> </u>
	N.M. Oil Conservation Divisio	on DATE REC. 4-6-8?
	P. O. Box 2088	
	Santa Fe, N.M. 87504-2088	PRIORITY
PHONE(S):	327-5812	USER CODE: <u> 8 2 2 3 5</u>
SUBMITTER:	David Boyer	CODE: 12 6 0
SAMPLE COLLE	CTION CODE: (YYMMDDHHMMIII)	7101410121/1214151 1-331
SAMPLE TYPE:	WATER [], SOIL [], FOOD [], OTH	IER: CODE:
COUNTY: SAN	JUAN ; CITY: BLOOM	NFIECO CODE:
LOCATION COD	E: (Township-Range-Section-Tracts)	$\frac{1}{1} \frac{1}{1} \frac{1}$
ANALYSES REQ	UESTED: Please check the appropriate box	(es) below to indicate the type of analytical screens
required. Wheneve	er possible list specific compounds suspected	d or required.
57 (759) Alipha	PURGEABLE SCREENS	EXTRACTABLE SCREENS
(754) Aroma	tic & Halogenated Purgeables	(760) Organochlorine Pesticides
(765) Mass	Spectrometer Purgeables	(755) Base/Neutral Extractables
🔲 (766) Trihalo	omethanes	(758) Herbicides, Chlorophenoxy acid
Other	Specific Compounds or Classes	(759) Herbicides, Triazines
RI HEE	D STACE	(760) Organochlorine Pesticides
		[_] (767) Polychlorinate Pesticides
	· · ·	(764) Polynuclear Aromatic Hydrocarbons
		(762) SDWA Pesticides & Herbicides
Remarks:	VALOFZ AUGER, HOL	
FIELD DATA:		
FIELD DATA: pH= <u>7.5;</u> Co	onductivity= <u>960</u> umho/cm at <u>18</u> °C;	; Chlorine Residual=mg/l
FIELD DATA: pH= <u>7.5</u> ; Co Dissolved Oxygen:	onductivity= <u>960</u> umho/cm at <u>18</u> °C; =mg/l; Alkalinity=mg/l; Flo	; Chlorine Residual=mg/l ow Rate/
FIELD DATA: pH= <u>7.5</u> ; Co Dissolved Oxygen: Depth to water	onductivity= <u>960</u> umho/cm at <u>18</u> °C; =mg/l; Alkalinity=mg/l; Flo <u>$(63^{''})$; Depth of well <u>124</u>^{''}; Perfor</u>	; Chlorine Residual=mg/l ow Rate/ :ation Intervalft.; Casing:
FIELD DATA: pH= <u>7.5</u> ; Co Dissolved Oxygen: Depth to water Sampling Location	onductivity= <u>960</u> umho/cm at <u>18</u> °C; =mg/l; Alkalinity=mg/l; Flo <u>$(63^{''}$</u> ; Depth of well <u>124</u> ^{''} ; Perfor n, Methods and Remarks (i.e. odors, etc.)	; Chlorine Residual=mg/l ow Rate/ ration Intervalft.; Casing:
FIELD DATA: pH = 7.5; Co Dissolved Oxygen Depth to water Sampling Location 5 oF F	onductivity= <u>960</u> umho/cm at <u>18</u> °C; =mg/l; Alkalinity=mg/l; Flo <u>$(63'')$ fb</u> ; Depth of well <u>124</u> ^{''} D; Perfor n, Methods and Remarks (i.e. odors, etc.) DW TANK ON SLOPE	chlorine Residual=mg/l ow Rate/ ration Intervalft.; Casing: DOWN TO MARSH Valley A#1
FIELD DATA: pH = 1.5; Co Dissolved Oxygen Depth to water Sampling Location 5 oF F HC OC	onductivity= <u>960</u> umho/cm at <u>18</u> °C; =mg/l; Alkalinity=mg/l; Flo ($63^{''}$ fg; Depth of well <u>124</u> ^{''} g); Perfor n, Methods and Remarks (i.e. odors, etc.) DW TRNK ON SCOPE DOR + STAIN ^{W7} m, 8 ^{''}	; Chlorine Residual=mg/l ow Rate/ ration Intervalft.; Casing: <u>DOWAN TO MARSH Valler N#1</u> OF SURFACE.
FIELD DATA: pH= <u>7.5</u> ; Co Dissolved Oxygen Depth to water Sampling Location <u>5 of 6</u> <u>HC 00</u> I certify that the	onductivity= <u>960</u> umho/cm at <u>18</u> °C; =mg/l; Alkalinity=mg/l; Flo <u>($03'''$ fb</u> ; Depth of well <u>124''</u> fb; Perfor n, Methods and Remarks (i.e. odors, etc.) DW TAUK ON SLOPE DOR + STAIN W/m, 8" e results in this block accurately reflect the	; Chlorine Residual=mg/l ow Rate/ ration Intervalft.; Casing: $DOWN TO MARSH Value N^{#/}$ OF SURFACE e results of my field analyses, observations and
FIELD DATA: pH = 1.5; Co Dissolved Oxygen Depth to water Sampling Location 5 oF f HC of I certify that the activities.(signatur	onductivity= <u>960</u> umho/cm at <u>18</u> °C; =mg/l; Alkalinity=mg/l; Flo <u>63</u> '' t; Depth of well <u>124</u> ''; Perfor n, Methods and Remarks (i.e. odors, etc.) DW TANK ON SLOPE DOR + STAIN Wing 8'' e results in this block accurately reflect the re collector):	e results of my field analyses, observations and Method of Shipment to the Lab: ftml carm
FIELD DATA: pH = 1.5; Co Dissolved Oxygen Depth to water Sampling Location 5 oF f HC or I certify that the activities (signatur This form accomp	onductivity= $\frac{960}{100}$ umho/cm at $\frac{18}{180}$ °C; =mg/l; Alkalinity=mg/l; Flo $\frac{63''}{100}$; Depth of well/ $\frac{24''}{100}$; Perfor n, Methods and Remarks (i.e. odors, etc.) $\frac{100}{100}$ TRNK ON SLOPE $\frac{100}{100}$ TRNK ON SLOPE $\frac{100}{100}$ TRNK ON SLOPE $\frac{100}{100}$ STAIN $\frac{100}{100}$ 8'' e results in this block accurately reflect the re collector): Roule panies Septum Vials, Glass	i; Chlorine Residual=mg/l ow Rate/ ration Intervalft.; Casing: <u>OOWN</u> TO <u>MARSH</u> Valler N [#] / <u>OF SURFACE</u> e results of my field analyses, observations and <u>Method of Shipment to the Lab:</u> <u>Hernel Canne</u> Jugs, and/or
FIELD DATA: pH = 1.5; Co Dissolved Oxygen Depth to water Sampling Location 5 oF f HC of I certify that the activities (signatur This form accomposed	onductivity= <u>960</u> umho/cm at <u>18</u> °C; =mg/l; Alkalinity=mg/l; Flo <u>$(33'''''''''''''''''''''''''''''''''''$</u>	; Chlorine Residual=mg/l ow Rate/ ration Intervalft.; Casing: $\begin{array}{cccccccccccccccccccccccccccccccccccc$
FIELD DATA: pH = 7.5; Co Dissolved Oxygen Depth to water Sampling Location 5 oF HC or or or of the second I certify that the activities.(signatur This form accomposed Samples were pre-	onductivity= 960 umho/cm at 18 °C; =mg/l; Alkalinity=mg/l; Flo 63'' ft; Depth of well $124''$; Perfor n, Methods and Remarks (i.e. odors, etc.) DW TANK ON SLOPE DOR + STAIN Why 8'' e results in this block accurately reflect the re collector): $Max Max Max Max Max Max Max Max Max Max $	i; Chlorine Residual=mg/l ow Rate/ ration Intervalft.; Casing: <u>DOWN</u> TO <u>MARSH</u> Valder N [#] / <u>OF SURFACE</u> e results of my field analyses, observations and <u></u> Method of Shipment to the Lab: <u>Hemd Cann</u> Jugs, and/or
FIELD DATA: pH = 1.5; Co Dissolved Oxygen Depth to water Sampling Location 5 oF F HC of I certify that the activities (signatur This form accomp Samples were pre- NP: P-Ice P No S of	onductivity= 960 umho/cm at 18 °C; =mg/l; Alkalinity=mg/l; Flo 63'' ft; Depth of well $124''$ f; Perfor n, Methods and Remarks (i.e. odors, etc.) 200 TAUK ON SLOPE 200 + STAIN Wing 8'' e results in this block accurately reflect the re collector): Moule panies Septum Vials, Glass b esserved as follows: No Preservation; Sample stored at room to Sample Breasured with Schum White	i; Chlorine Residual=mg/l ow Rate/ ration Intervalft.; Casing: <u>OOWN TO MARSH Valler N[±]/</u> <u>OF SURFACE</u> e results of my field analyses, observations and Method of Shipment to the Lab: <u>HowO Cann</u> Jugs, and/or :emperature. n).
FIELD DATA: pH = 1.5; Co Dissolved Oxygen Depth to water Sampling Location 5 oF F HC of I certify that the activities.(signatur This form accomp Samples were pressing NP: P-Ice P-Na S O CHAIN OP CING	onductivity= 960 umho/cm at 18 °C; =mg/l; Alkalinity=mg/l; Flo 63'' %; Depth of well/24'' 9.; Perfor n, Methods and Remarks (i.e. odors, etc.) DW TRNK ON SLOPE DOR + STAIN With 8'' e results in this block accurately reflect the re collector): $MWK MUR panies Septum Vials, Glass be eserved as follows: No Preservation; Sample stored at room the Sample stored in an ice bath (Not Frosent Sample Preserved with Sodium Thiosulfate TOD Y$	i; Chlorine Residual=mg/l ow Rate/ ration Intervalft.; Casing: <u>DOWN</u> TO <u>MARSH</u> Valler N [#] / <u>OF SURFACE</u> e results of my field analyses, observations and <u></u> Method of Shipment to the Lab: <u>ffcmd Cann</u> Jugs, and/or temperature. n). to remove chlorine residual.
FIELD DATA: pH = 7.5; Co Dissolved Oxygen Depth to water Sampling Location 5 oF f HC or f I certify that the activities.(signatur This form accomplete Samples were present NP: P-Ice P-Na S 0 CHAIN OP CUS I certify that this	onductivity= 960 umho/cm at 18 °C; =mg/l; Alkalinity=mg/l; Flo 63'' fg; Depth of well $124''$ g; Perfor n, Methods and Remarks (i.e. odors, etc.) DW TANK ON SLOPE DR + STAIN Why 8'' e results in this block accurately reflect the re collector): Monte panies Septum Vials, Glass D esserved as follows: No Preservation; Sample stored at room t Sample stored in an ice bath (Not Frozen Sample Preserved with Sodium Thiosulfate FTODY	to
FIELD DATA: pH = 1.5; Co Dissolved Oxygen Depth to water Sampling Location 5 oF f I certify that the activities.(signatur This form accomposition Samples were present NP: P-Ice P-Na S O CHAIN OF CUS I certify that the at (location)	onductivity= <u>960</u> umho/cm at <u>18</u> °C; =mg/l; Alkalinity=mg/l; Flo ($3^{''}$ ft; Depth of well <u>24</u> ^{''} D; Perfor n, Methods and Remarks (i.e. odors, etc.) DW TANK ON SLOPE DOR + STAIN ^W /m, 8" e results in this block accurately reflect the re collector): <u>Wark</u> <u>Barley</u> panies <u>Septum Vials</u> , <u>Glass</u> <u>Barley</u> esserved as follows: No Preservation; Sample stored at room t Sample stored in an ice bath (Not Frosen Sample Preserved with Sodium Thiosulfate TODY is sample was transferred from <u></u>	; Chlorine Residual=mg/l ow Rate/ ration Intervalft.; Casing: $DO WN TO MARSH Valder N^{\pm}/$ OF SURFACE: e results of my field analyses, observations andMethod of Shipment to the Lab:Affend canno Jugs, and/or iemperature. n). to remove chlorine residual.
FIELD DATA: pH = 1.5; Co Dissolved Oxygen Depth to water Sampling Location 5 oF F HC or f I certify that the activities (signatur This form accomp Samples were present arc P-Na S O CHAIN OP CUS I certify that the at (location) the statements in	onductivity= <u>960</u> umho/cm at <u>18</u> °C; =mg/l; Alkalinity=mg/l; Flo ($3^{''}$ fg; Depth of well <u>124</u> 'g.; Perfor n, Methods and Remarks (i.e. odors, etc.) DW TANK ON SLOPE DOR + STAIN WIM 8" e results in this block accurately reflect the re collector): <u>WMM</u> 8" e results in this block accurately reflect the panies <u>Septum Vials</u> , <u>Glass</u> be served as follows: No Preservation; Sample stored at room t Sample Stored in an ice bath (Not Frosen Sample Preserved with Sodium Thiosulfate STOD Y is sample was transferred from <u></u>	i; Chlorine Residual=mg/l ow Rate/

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İ I



DETECTION

LIMIT

date:

CONC.

[PPB]

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33

ANALYSES PERFORMED		LAB. No.: OR- 545, 546
	E FUR LABUR	ATORY RESULTS ONLY
This sample was tested using the analytical scree PURGEABLE SCREENS (753) Aliphatic Purgeables (1-3 Carbons) (754) Aromatic & Halogenated Purgeables (765) Mass Spectrometer Purgeables (766) Trihalomethanes Other Specific Compounds or Classes Other Specific Compounds or Classes		EXTRACTABLE SCREENS (751) Aliphatic Hydrocarbons (760) Organochlorine Pesticides (755) Base/Neutral Extractables (758) Herbicides, Chlorophenoxy acid (759) Herbicides, Triazines (760) Organochlorine Pesticides (760) Organochlorine Pesticides (761) Organophosphate Pesticides (767) Polychlorinated Biphenyls (PCB's) (762) SDWA Pesticides & Herbicides
COMPOUND(S) DETECTED	CONC.	COMPOUND (S) DETECTED
Searspace - Meritans Ethone Proprie isoBurrante n-Bulance Nopentaire Pentaire	2600pp 25pp 18pp 18pp 20pp 340pp 2400pm 2400pm	halogenated pungeibles benjene tolucne ethylbernene p-Sylene m-sulene

Ж

N D = NONE DETECTED AT OR ABOVE THE STATED DETECTION LIMIT

screen

that the statements on this page accurately reflect the analytical results for this sample. $11 - 1 \approx 4 - 24 - 87$

Analyst's signature:_

T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED) [RESULTS IN BRACKETS] ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION

CERTIFICATE OF ANALYTICAL PERSONNEL

Ø

I certify that I followed standard laboratory procedures on handling and analysis of this sample unless otherwise noted and

I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. MAY 1 8 1987

und

1110

* DETECTION LIMIT

Seal(s) Intact: Yes 🗹 No 🛄. Seal(s) broken by: _

n

ABBREVIATIONS USED:

REMARKS

4

LABORATORY

Date(s) of analysis:

Reviewers signature:

<u>' '</u>	Salud NE M 87106 — (505) 841-2555	·		and NITR	OGEN ANALYSIS	нт S
ATE RECEIVED 4 6 87	AB WC 1073 USE	DE 5930	<u>o 🗆 59600 🕅 o</u>	THER: 822	235	
oilection DATE 4 2 87 Dillection TIME	SITE INFORM- ATION	ble location	VALDEZ AU	GER	HOLE >	
BOYER BALLEY	/0CD		5 of PW	TANK	CON SUC	PE
ENVIRONMEN NAL NM OIL CON State Land Santa Fe, Attn: David Bo	TAL BUREAU SERVATION DIVIS Office Bldg, PC NM 87504-2088 Ver	ION Box 208	8 Y 1 4 1997			<u></u>
Phone: 827-58	312	- }-£146		Station/ well code	lleg At)	
AMPLING CONDITIONS			····	Owner		
3 Bailed □ Pump ☐ Dipped □ Tap	Water level $\mathcal{DT} \mathcal{W} \mathcal{C3}^{\circ}$		Discharge		Sample type	
H (00400)	Conductivity (Uncorrecte	ed)	Water Temp. (00010)	(x °C	Conductivity at 25°C (0	0094) umb
eld comments			<u> </u>			
MPLE FIELD TREATMEN No. of samples Submitted (N (N (N (N (N (N (N (T — Check proper box F: Whole sample (Non-filtered) Other-specify:	xes F: Filtered in 0.45 μmen	field with mbrane filter A: 2 5m1 conc. HNO ₃ add	miH₂SO₄/I ded ⊡A	Ladded .: 4ml fuming H	NO3 adde
MPLE FIELD TREATMEN No. of samples submitted / N X NA: No acid added NALYTICAL RESULTS from NA	T — Check proper box F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units	XOS F: Filtered in 0.45 μmer Δ A:	field with mbrane filter 5m1 conc. HNO ₃ add		Ladded : 4ml fuming H	NO ₃ adde
AMPLE FIELD TREATMEN No. of samples submitted % % NA: No acid added % NALYTICAL RESULTS from NA Conductivity (Corrected) 25°C (00095)	T — Check proper bo; F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units µmho	X9S F: Filtered in 0.45 μmer Δ A:	field with mbrane filter $\Box A: 2$ 5m1 conc. HNO ₃ add $d = From \underline{PF}, M$	miH₂SO₄/I ded □A IA Sample	Ladded : 4ml fuming H : Date <u>Analy</u> :	NO ₃ adde
AMPLE FIELD TREATMEN No. of samples submitted (N (N (N (N (N (N (N (T Check proper box F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units mho mho	X9S F: Filtered in 0.45 μmer Δ A:	field with mbrane filter \Box A: 2 5ml conc. HNO ₃ add From <u>PF</u> , M Calcium <u>I</u> Potassium _	mi H ₂ SO ₄ /I ded \square A IA Sample \bigcirc $\mathcal{U}, \mathcal{DF}$	Ladded .: 4ml fuming H : Date <u>Analy</u> ; mg/1 <u>4//</u>	2003 adder
MPLE FIELD TREATMEN No. of samples Submitted (NA: No acid added NALYTICAL RESULTS from NA Conductivity (Corrected) 25°C (00095) Total non-filterable residue (suspended) (00530) Other:	T Check proper bo; F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units 	X0S F: Filtered in 0.45 μmer Δ A:	field with mbrane filter $\Box A: 2$ 5m1 conc. HNO_3 add From <u>PF</u> , M Calcium <u>I</u> Potassium <u></u> Magnesium <u></u>	mi H ₂ SO ₄ /I ded \square A NA Samp1e \underline{O} $\underline{4, D7}$ $\overline{7, 32}$	Ladded .: 4ml fuming H : Date <u>Analy</u> mg/1 mg/1//	1NO ₃ adde 2 ed
MPLE FIELD TREATMEN No. of samples Submitted	T Check proper box F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units mho mg/l	XΘS F: Filtered in 0.45 μmer Δ A:	field with mbrane filter \Box A: 2 5ml conc. HNO ₃ add From <u>PF</u> , M Calcium <u>II</u> Potassium <u>C</u> Magnesium <u>C</u> Sodium <u>II</u>	mi H ₂ SO ₄ /I ded \square A NA Sample $\underline{4,07}$ $\underline{7,32}$ 52,9	Ladded : 4ml fuming H : Date <u>Analy:</u> mg/1 mg/1//	1NO3 adde
MPLE FIELD TREATMEN No. of samples Submitted (NA: No acid added ALYTICAL RESULTS from NA Conductivity (Corrected) 25°C (00095) Total non-filterable residue (suspended) (00530) Other: Other: Other: Other:	T Check proper bo; F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units µmho mg/l	X0S F: Filtered in 0.45 μmei Δ A:	field with mbrane filter \Box A: 2 5ml conc. HNO ₃ add From <u>PF</u> , M Calcium <u>N</u> Calcium <u>Sodium</u> Sodium Bicarbonate	mi H ₂ SO ₄ /I ded \square A IA Samp1e $\underline{0}$ $\underline{4, D7}$ $\underline{7, 32}$ $\underline{52, 9}$ $\underline{32, 4}$	Ladded .: 4ml fuming H : Date <u>Analy</u> mg/1 mg/1// mg/1/ mg/1/	1NO3 adde 2ed
MPLE FIELD TREATMEN No. of samples Submitted X NA: No acid added Image: Additional system X NA: No acid added Image: Additional system X NA: No acid added Image: Additional system Image: Additional system Image: Additional system Conductivity (Corrected) 25°C (00095) Image: Additional system Image: Addit system <td>T — Check proper bo; F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units µmho mg/l</td> <td>X9S F: Filtered in 0.45 μmer</td> <td>field with mbrane filter A: 2 5m1 conc. HNO₃ add From <u>PF</u>, N Calcium <u>II</u> Calcium <u>II</u> Potassium <u>C</u> Sodium <u>C</u> Bicarbonate Chloride <u>II</u></td> <td>mi H₂SO₄/l ded \squareA VA Samp1e 4,07 52,9 52,9 324 14</td> <td>Ladded : 4ml fuming H : Date <u>Analy</u> mg/1// mg/1// mg/1// mg/1// mg/1//</td> <td>1NO3 adde 2ed (5 </td>	T — Check proper bo; F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units µmho mg/l	X9S F: Filtered in 0.45 μmer	field with mbrane filter A: 2 5m1 conc. HNO ₃ add From <u>PF</u> , N Calcium <u>II</u> Calcium <u>II</u> Potassium <u>C</u> Sodium <u>C</u> Bicarbonate Chloride <u>II</u>	mi H ₂ SO ₄ /l ded \square A VA Samp1e 4,07 52,9 52,9 324 14	Ladded : 4ml fuming H : Date <u>Analy</u> mg/1// mg/1// mg/1// mg/1// mg/1//	1NO3 adde 2ed (5
MPLE FIELD TREATMEN No. of samples Submitted X NA: No acid added X ALYTICAL RESULTS from NA Conductivity (Corrected) 25 °C (00095) Total non-filterable residue (suspended) (00530) Other: Other: Other: Other: Nitrate-N + , Nitrate-N total (00630)	T Check proper box F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units mho mg/l	X0S F: Filtered in 0.45 μmei Δ A:	field with mbrane filter A: 2 5ml conc. HNO ₃ add From <u>PF</u> , M Calcium <u>N</u> Calcium <u>Sodium</u> Magnesium Sodium Chloride Chloride	mi H ₂ SO ₄ /I ded \square A IA Sample $\frac{4,07}{7.32}$ 52.9 52.9 -324 14 120	Ladded : 4ml fuming H : Date <u>Analy:</u> mg/1 mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/	2NO3 adde 2ed 25 21 29
MPLE FIELD TREATMEN No. of samples Submitted X NA: No acid added X Nature Conductivity (Corrected) 25 °C (00095) Total non-filterable residue (suspended) (00530) Other: Other: Other: Other: Other: Other: Other: AH_2SO4 Nitrate-N + Nitrate-N total (00630) Ammonia-N total (00610)	T Check proper box F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units Units umho mg/l mg/l mg/l	X0S F: Filtered in 0.45 μmer Δ A:	field with mbrane filter A: 2 5m1 conc. HNO ₃ add From <u>PF</u> , M Calcium <u>N</u> Calcium <u>Sodium</u> Magnesium <u>Calcium</u> Chloride <u>Chloride</u> Chloride <u>Chloride</u> Total Solida	mi H ₂ SO ₄ /I ded \square A IA Sample $\underline{4, 07}$ $\underline{4, 07}$ $\underline{52, 9}$ $\underline{52, 9}$	Ladded : 4ml fuming H : Date <u>Analy</u> mg/1 mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/	1NO3 adde 2ed /5 /2/ 29 2/
MPLE FIELD TREATMEN No. of samples submitted X NA: No acid added X NALYTICAL RESULTS from NA Conductivity (Corrected) 25°C (00095) Total non-filterable residue (suspended) (00530) Other: Other: Other: Other: Other: A-H2SO4 Nitrate-N + , Nitrate-N total (00630) Ammonia-N total (00610) Total Kjeldahl-N ()	T — Check proper bo: F: Whole sample (Nori-filtered) Other-specify: n SAMPLES Units mho mg/l mg/l	XΘS F: Filtered in 0.45 μmer Date analyzed	field with mbrane filter A: 2 5ml conc. HNO ₃ add From <u>PF</u> , M Calcium <u>M</u> Potassium <u>Sodium</u> Sodium Chloride <u>Chloride</u> Chloride <u>Chloride</u> Chloride <u>Chloride</u> Chloride <u>Chloride</u> Chloride <u>Chloride</u>	mi H ₂ SO ₄ /I ded \square A NA Sample 4,07 52,9 52,9 52,9 52,9 52,9 52,4 14 120 s 506	Ladded : 4ml fuming H : Date <u>Analy:</u> mg/1 mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1//	1NO3 adde 2ed 25
MPLE FIELD TREATMEN No. of samples Submitted Submitted X NA: No acid added X Natron Conductivity (Corrected) 25 °C (00095) Total non-filterable residue (suspended) (00530) Other: Other: Other: Other: Other: AH2SO4 Nitrate-N +, Nitrate-N total (00630) Ammonia-N total (00610) Total Kjeldahl-N () Chemical oxygen demand (00340)	T Check proper bo; F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units mho mg/l mg/l mg/l	X0S F: Filtered in 0.45 μmer Δ A: Date analyzee	field with mbrane filter A: 2 5ml conc. HNO ₃ add From <u>PF</u> , M Calcium <u>M</u> Calcium <u>M</u> Potassium <u>C</u> Magnesium <u>C</u> Sodium <u>C</u> Chloride <u>C</u> Chloride <u>C</u> Chloride <u>C</u> Chloride <u>C</u>	mi H ₂ SO ₄ /l ded \Box A IA Sample 4, 07 52, 9 52, 9 50, 6 50, 6	Ladded .: 4ml fuming H .: Data <u>Analy:</u> mg/1 mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/	2003 adde 2ed 25 29 27
NmPLE FIELD TREATMEN No. of samples submitted Submitted Image: Conductivity (Corrected) 25°C (00095) Image: Conductivity (Corrected) Image: Conductivity (Corrected) </td <td>T — Check proper bo; F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units µmho mg/l mg/l mg/l mg/l</td> <td>X9S F: Filtered in 0.45 μmer Date analyzee</td> <td>field with mbrane filter \Box A: 2 5ml conc. HNO₃ add From <u>PF</u>, N Calcium <u>N</u> Calcium <u>N</u> Potassium <u>C</u> Magnesium <u>C</u> Sodium Chloride Chloride Chloride</td> <td>mi H₂SO₄/I ded \square A VA Sample 4,07 52.9 52.9 52.9 324 14 120 s 506</td> <td>Ladded : 4ml fuming H : Date <u>Analy</u> mg/1 mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1//</td> <td>1NO3 adder 2ed (5 </td>	T — Check proper bo; F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units µmho mg/l mg/l mg/l mg/l	X9S F: Filtered in 0.45 μmer Date analyzee	field with mbrane filter \Box A: 2 5ml conc. HNO ₃ add From <u>PF</u> , N Calcium <u>N</u> Calcium <u>N</u> Potassium <u>C</u> Magnesium <u>C</u> Sodium Chloride Chloride Chloride	mi H ₂ SO ₄ /I ded \square A VA Sample 4,07 52.9 52.9 52.9 324 14 120 s 506	Ladded : 4ml fuming H : Date <u>Analy</u> mg/1 mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1//	1NO3 adder 2ed (5
AMPLE FIELD TREATMEN No. of samples submitted Submitted X NA: No acid added X NA: No acid added X NA: No acid added X XALYTICAL RESULTS from NA Conductivity (Corrected) 25°C (00095) Total non-filterable residue (suspended) (00530) Other: Other: Other: Other: Other: AH2SO4 Nitrate-N +, Nitrate-N total (00630) Ammonia-N total (00610) Total Kjeldahl-N () Chemical oxygen demand (00340) Total organic carbon () Other:	T — Check proper bo; F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units µmho mg/l mg/l mg/l mg/l	X0S F: Filtered in 0.45 μmei Date analyzee	field with mbrane filter A: 2 5ml conc. HNO ₃ add From <u>PF</u> , M Calcium <u>N</u> Calcium <u>Sodium</u> Magnesium Sodium Chloride Chloride Chloride Calcium <u>Cation/An</u>	mi H ₂ SO ₄ /l ded \square A IA Sample $\frac{4,07}{7.32}$ 52.9 52.9 324 14 120 s 506 and and and and and and and and and and	Ladded :: 4ml fuming H : Date <u>Analy:</u> mg/1 mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1/ mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1_// mg/1_// mg/1_// mg/1_// mg/1_// mg/1_// mg/1_// mg/1_// mg/1_// mg/1_/	1NO3 adde 2ed 25
AMPLE FIELD TREATMEN No. of samples submitted V NA: No acid added NALYTICAL RESULTS from NA Conductivity (Corrected) 25°C (00095) Total non-filterable residue (suspended) (00530) Total non-filterable residue (suspended) (00530) Other: Other: Other: A-H2SO4 Nitrate-N +, Nitrate-N total (00630) Ammonia-N total (00610) Total Kjeldahl-N () Chemical oxygen demand (00340) Total organic carbon () Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other: Other:	T — Check proper bo; F: Whole sample (Non-filtered) Other-specify: n SAMPLES Units µmho mg/l mg/l mg/l mg/l	X0S F: Filtered in 0.45 μmer Date analyzee	field with mbrane filter A: 2 5ml conc. HNO ₃ add From <u>PF</u> , M Calcium <u>N</u> Calcium <u>Sodium</u> Sodium Chloride Chloride Chloride Chloride Chloride Cation/An Analyst	mi H ₂ SO ₄ /l ded \square A VA Sample 4,07 52,9 52,9 52,9 324 14 120 s 506 anion Ball Date Re 4/13	Ladded : 4ml fuming H : Date <u>Analy</u> mg/1 mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1// mg/1_// mg/1// mg/1_// mg/1_// mg/1_// mg/1_// mg/1_// mg/1_// mg/1_// mg/1_// mg/1_// mg/1_// mg/	1NO3 adde

1

	CATIONS				ANIONS	
ANALYT	E MEQ.	PPM	DET.LIMIT	ANALYT	E MEQ.	PPM
Ca Mg Na K	5.49 0.60 2.30 0.10	110.00 7.32 52.90 4.07	< 3.0 < 10.0 < 10.0 < 0.5	HCO3 SO4 C1	5.31 2.50 0.39	324.00 120.00 14.00
Mn Fe	0.00 0.00	0.00 0.00	·	NO3 CO3 NH3 PO4	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00
SUMS	8.50	174.29			8.20	458.00
TDS (mea	asured) =	506.00	ppm			
Ion Ba	lance =	103.548	\$	Sample Date	e No. out/By	=8701073

4.7	700 Camin Albuquerque, N	no de Salud NE H ENVIRONMENT NM 87106 841-2570
	David Boyer	543 A+B S.L.D. No. OR- 544 A+B
	N.M. Oil Conservation Divis	sion DATE BEC $4-6-87$
	P. 0. Box 2088	DATE ADD C
	Senta Fe N.M. 87504-2088	
	827-5812	
PHONE(S):	David Bover	
SUBMITTER:		
SAMPLE COLL	ECTION CODE: (YYMMDDHHMMIII)	8/0402/200 45
SAMPLE TYPE	WATER [], SOIL], FOOD , O	OTHER: CODE:
COUNTY: SA	N JURA ; CITY: <u>BLO</u>	DOM FIELD CODE:
LOCATION CO	DE: (Township-Range-Section-Tracts)	$\frac{ 9 N+ 1 W+2 4+4 2 3 }{(10N06E24342)}$
ANALYSES RE	QUESTED: Please check the appropriate	box(es) below to indicate the type of analytical screens
equired. Whene	ver possible list specific compounds suspec PURCEABLE SCREENS	cted or required.
(753) Aliph	atic Purgeables (1-3 Carbons)	(751) Aliphatic Hydrocarbons
(754) Arom	atic & Halogenated Purgeables	(760) Organochlorine Pesticides
_ (765) Mass	Spectrometer Purgeables	[1] (758) Harbicidas Chlorophanoxy acid
(100) Itilia Othe	r Specific Compounds or Classes	(759) Herbicides, Triazines
त्र मस	FAD SPACE	(760) Organochlorine Pesticides
⊒	· · · · · · · · · · · · · · · · · · ·	(761) Organophosphate Pesticides
		(767) Polychlorinated Biphenyls (PCB's)
		(762) SDWA Pesticides & Herbicides
Pomorke	VALOEZ AURER HOL	
FIELD DATA:		a
pH= <u>7.</u> ; (conductivity= <u>830</u> umho/cm at <u>15</u>	C; Chlorine Residual=mg/l
Dissolved Oxyge	n=mg/l; Alkalinity=mg/l;	Flow Rate/
Depth to water	<u>47</u> s .; Depth of well 75 s .; Pe	erforation Intervalft.; Casing:
Sampling Locat	on, Methods and Remarks (i.e. odors, etc.	2.)
<u>5 of</u>	PRODUCTION TANKS	ON SLOPE DOWN TO MARSH
HC OI	10R - STAIN WIM 8"	of SURFACE Viller A#1
	he results in this block accurately reflect	the results of my field analyses, observations and
certify that		Method of Shipment to the Lab: Ama Conta
I certify that (activities.(signat	ure collector): _ mu / Saul	
I certify that (activities.(signat This form acco	npanies Septum Vials, Glas	uss Jugs, and/or
I certify that activities.(signat This form acco Samples were p	mpanies Septum Vials, Glasseserved as follows:	m temperature
I certify that (activities.(signat This form acco Samples were p NP: P-Ice	mpanies Septum Vials, Glassing reserved as follows: No Preservation; Sample stored at room Sample stored in an ice bath (Not Free	m temperature.
I certify that (activities.(signat This form acco Samples were p [2] NP: [2] P-Ice [2] P-Na_S_O	ure collector): <u>formu</u> <u>Fault</u> mpanies <u>Septum Vials</u> , <u>Glas</u> reserved as follows: No Preservation; Sample stored at room Sample stored in an ice bath (Not Fro Sample Preserved with Sodium Thiosulf	m temperature. rosen). Ifate to remove chlorine residual.
I certify that activities.(signat This form acco Samples were p NP: P-Ice P-Na S 0 CHAIN OF C	mpanies Septum Vials, Glassing reserved as follows: No Preservation; Sample stored at roor Sample stored in an ice bath (Not Fro Sample Preserved with Sodium Thiosulf ISTOD Y	m temperature. rosen). Ifate to remove chlorine residual.
I certify that activities.(signat This form acco Samples were p NP: P-Ice P-Ice P-Na S O CHAIN OF C I certify that	ure collector): <u>formu</u> <u>Faul</u> mpanies <u>Septum Vials</u> , <u>Glau</u> preserved as follows: No Preservation; Sample stored at roor Sample stored in an ice bath (Not Fro Sample Preserved with Sodium Thiosulf ISTOD Y his sample was transferred from	toto
I certify that (activities.(signat This form acco Samples were p NP: P-Ice P-Na S O CHAIN OF C I certify that (at (location)	ure collector):	to and that
I certify that (activities.(signat This form acco Samples were p NP: P-Ice P-Na 2 0 CHAIN OF C I certify that at (location) _ the statements	ure collector): <u>formu</u> <u>for</u> mpanies <u>Septum Vials</u> , <u>Glassic</u> ireserved as follows: No Preservation; Sample stored at roor Sample stored in an ice bath (Not Fre Sample Preserved with Sodium Thiosulf ISTOD Y his sample was transferred from <u></u> in this block are correct. Evidentiary Seal	iss Jugs, and/or

- Contraction of the other

ANALYSES PERFORMED



This sample was tested using the analytical screening method(s) checked below:	
PURGEABLE SCREENS EXTRACTABI (753) Aliphatic Purgeables (1-3 Carbons) (751) Aliphatic I (754) Aromatic & Halogenated Purgeables (760) Organochlo (765) Mass Spectrometer Purgeables (755) Base/Neutr (766) Trihalomethanes (758) Herbicides, Other Specific Compounds or Classes (760) Organochlo (760) Organochlo (761) Organophoe (761) Organophoe (767) Polychlorin (764) Polynucleas (762) SDWA Per	LE SCREENS Hydrocarbons orine Pesticides al Extractables Chlorophenoxy acid Triazines rine Pesticides sphate Pesticides ated Biphenyls (PCB's) or Aromatic Hydrocarbons sticides & Herbicides
COMPOUND(S) DETECTED CONC. COMPOUND(S)	DETECTED CONC.
	[PPB]
Acaospace - METHANE 2500ppm - OThors 2 Sport halogenation	purgeafles ND
	710
ten ten	ene 310
	ene NKS none 25
b-Xu	lene 170
11-12	line 550
D-X-	$P_{aaaa} = 160$
· DETECTION LIMIT · * 5 + DET	ECTION LIMIT + + Smb
N D = NONE DETECTED AT OR ABOVE THE STATED DETECTION LIMIT T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NO [RESULTS IN BRACKETS] ARE UNCONFIRMED AND/OR WITH APPROXIMATE ABORATORY REMARKS: <u>Shree other compounds were de</u> <u>Screen that were not identified</u>	t confirmed) QUANTITATION
CERTIFICATE OF ANALYTICAL PERSONNEL	
Seal(s) Intact: Yes 🗹 No 📋. Seal(s) broken by: <u>Source</u> certify that I followed standard laboratory procedures on handling and analysis of this same that the statements on this page accurately reflect the analytical results for this comple-	date: <u>4/13/87</u> ple unless otherwise noted and
Date(s) of analysis: 4/13/37 4-24 Analyst's signature:	mney
certify that I have reviewed and concur with the analytical results for this sample and wit Reviewers signature: <u>Meyer her</u> MAY 18 1987	h the statements in this block.

	SENTIFIC LABORA 700 Camino de Albuquerque, NM 8	Salud NE 7106 841-2570
	David Boyer	541 .4+B S.L.D. No. OR- 542 .4+B
	N.M. Oil Conservation Division	DATE REC. $4 - 6 - 87$
	P. 0. Box 2088	
-	Santa Fe, N.M. 87504-2088	PRIORITY
PHONE(S).	327-5812	
SUBMITTER.	David Boyer	
SAMPLE COLLEG	TION CODE: (VVAADDHHAMIII) 217	$\frac{1}{1} \frac{1}{1} \frac{1}$
SAMPLE COLLEC		
SAMPLE TYPE:		
COUNTY: JAN		
LOCATION CODE	E: (Township-Range-Section-Tracts)	N + 7 7 0 + 2 9 + 4 2 5 (10N06E24342)
ANALYSES REQU	JESTED : Please check the appropriate box(es) r possible list specific compounds suspected of	below to indicate the type of analytical screens
	PURGEABLE SCREENS	EXTRACTABLE SCREENS
(753) Aliphati	c Purgeables (1-3 Carbons)	(751) Aliphatic Hydrocarbons
(754) Aromati	ic & Halogenated Purgeables	(760) Organochlorine Pesticides
[_] (766) Tribalo	pettrometer rurgeables	[] (758) Herbicides Chlorophenoxy acid
Other	Specific Compounds or Classes	(759) Herbicides, Triagines
TAK HEA	U SFACE	(760) Organochlorine Pesticides
		(761) Organophosphate Pesticides
		(767) Polychlorinated Biphenyls (PCB's)
		(764) Polynuclear Aromatic Hydrocarbons
		[_] (762) SDWA Pesticides & Herbicides
Remarks:V	ALDEZ AUGER HOLE	. 4
5 of 0	EHY ON LINE UT HOLE	<u> </u>
FIELD DATA:		
pH=; Cor	nductivity= <u>/050</u> umho/cm at <u>/5</u> °C; C	hlorine Residual=mg/l
Dissolved Oxygen=	mg/l; Alkalinity=mg/l; Flow	Rate/
Depth to water	80 " the; Depth of well (23 the; Perforation	on Intervalft.; Casing:
Sampling Location	, Methods and Remarks (i.e. odors, etc.)	
MODULT.	MORICONTE TO TA	TTLE FLUID ENTERINE MALE
10		VIPPA 04
	AC OR OR STAIN	Val den H
I certify that the	results in this block accurately reflect the r	esults of my field analyses, observations and
activities.(signature	collector): come carla	Method of Shipment to the Labiford Called
This form accomp	anies Septum Vials, Glass' Jug	s, and/or
Samples were pres	serveu as lollows: No Preservation: Comple stored at more too	Darstura
	Sample stored in an ice bath (Not Frozen)	Yer 6+41 6.
P-Na S O	Sample Preserved with Sodium Thiosulfate to	, remove chlorine residual
CHAIN OF CUE	ODY	······································
I certify that this	s sample was transferred from	to
at (location)		
the statements '	this black an arrest Britanting C. I. M.	on and that
i the statements in	this block are correct. Evidentiary Seals: No	s Jealed Seals Intact: Yes No
G:		

i

	700 Camino Albuquerque, NM	de Salud NE 87106 841-2570
то:	David Boyer	539 ,4+ S.L.D. No. OR- 540 A+
	N.M. Oil Conservation Divisi	$DATE REC. \qquad 4-6-87$
	P. O. Box 2088	
	Santa Fe, N.M. 87504-2088	PRIORITY
PHONE(S)	327-5812	USER CODE: $13 12 12 13 15$
SUBMITTER	David Boyer	CODE: 12 16 10 1
SAMPLE COLLE	CTION CODE: (YYMMDDHHMMIII) 8	7101410121/1414101 1231
SAMPLE TYPE:	WATER M. SOIL M. FOOD M. OTH	
COUNTY: SAU	CITY: RCOO	$\infty F(EQ)$ CODE:
LOCATION COD	E: (Townshin-Range-Section-Tracta)	$\frac{1}{2} + \frac{1}{2} + \frac{1}$
ANALYSES BEO	TRETTED. Black shak the enversion has	(a) below to indicate the type of applytical ecreans
required. Whenev	er possible list specific compounds suspected	d or required.
•	PURGEABLE SCREENS	EXTRACTABLE SCREENS
(753) Alipha	tic Purgeables (1-3 Carbons)	(751) Aliphatic Hydrocarbons
(754) Aroma	tic & Halogenated Purgeables	[_] (760) Organochlorine Pesticides
[_] (765) Mass	Spectrometer Purgeables	[] (755) Base/Neutral Extractables
[_] (766) Trihalo	methanes	[_] (158) Herbicides, Chiorophenoxy acid
Other	Specific Compounds or Classes	[_] (759) Herbicides, Inszines
KI HEV		(761) Organochiornie Pesticides
<u> </u>		[] (767) Polyable restrictes
<u> </u>		[_] (767) Polychormated Diphenyls (POBs)
<u> </u>		(764) Polynuciesr Aromatic Hydrocarbons
I_I	·····	[(102) SDWA Festicides & Herbicides
Remarks:V	ALDEZ AUGER HOL	<u> 5</u>
ESE O	F PRODUCTION UNIT	ON SLOPE TO MARSH
FIELD DATA: pH=7_; Co Dissolved Oxygen Depth to water	nductivity= $\frac{780}{1.5}$ umho/cm at $\frac{1.5}{1.5}$ cm =mg/l; Alkalinity=mg/l; Fl = $\frac{64''}{15}$; Depth of well $\frac{1}{5''}$ fb; Perfo	; Chlorine Residual=mg/l ow Rate/ ration Intervalft.; Casing:
Sampling Location	n, Methods and Remarks (i.e. odors, etc.)	
UPCHA	WNEL FROM HOLES	2,3,4
HC 00	OR + STAIN	Valdey Att 1
I certify that th activities.(signatur This form accom Samples were pro NP: P-Ice	e results in this block accurately reflect the e collector):	e results of my field analyses, observations and Method of Shipment to the Lab: Jugs, and/or temperature. n).
P-Na S O CHILIN OF C	Sample Preserved with Sodium Thiosulfate	to remove chlorine residual.
I certify that th	is sample was transferred from	to
at (location)		on / / - : and that
the statements in	this block are correct. Evidentiary Seals:	Not Sealed Seals Intact: Yes No T

THIS PAGE FOR LABORATORY RESULTS ONLY INTERCENS EXTENCIAL SCREENS (753) Aliphatic Purgeables (1-3 Carbons) (753) Aliphatic Purgeables (1-3 Carbons) (751) Aliphatic Hydrocarbons (754) Acomatic & Halogenated Purgeables (755) Base/Neutral Extractables (766) Trihalomethanee (758) Harbicides, Chicrophenoxy acid (759) Organochlorins Pesticides (769) Organochlorins Pesticides (760) Organochlorins Pesticides (769) Harbicides, Triasines (761) Organochlorins Pesticides (769) Organochlorins Pesticides (760) Organochlorins Pesticides (769) Organochlorins Pesticides (761) Organochlorins Pesticides (769) Organochlorins Pesticides (761) Organochlorins Pesticides (761) Organochlorins Pesticides (762) SDWA Pesticides & Herbicides (761) Organochlorins Pesticides (763) SDWA Pesticides & Herbicides (762) SDWA Pesticides & Herbicides (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Montonic Pesticides (762) SDWA Pesticides & Montonic Pesticides (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Montonic Pesticides (764) Polynuclear Aromatic Hydrocarbons (764) Polynuclear Aromatic Hydrocarbons (764) Polynuc	NALYSES PERFORMED		LAB. No.: OR- 35 / 5 5	ದ
is sample was tested using the analytical screening method(s) checked below: PURCEABLE SCREENS EXTRACTABLE SCREENS (753) Aliphatic Purgeables (1-3 Carbons) (751) Aliphatic Hydrocarbons (756) Mass Spectrometer Purgeables (758) Harbicides, Chlorophenoxy acid (769) Trihalomethanes (750) Organochlorine Pesticides (769) Trihalomethanes (750) Harbicides, Chlorophenoxy acid (769) Trihalomethanes (750) Organochlorine Pesticides (760) Organochlorine Pesticides (760) Organochlorine Pesticides (761) Aliphatic Compounds or Classes (761) Organophoephate Pesticides (762) Thalomethanes (761) Organophoephate Pesticides (763) SDWA Pesticides & Herbicides (762) SDWA Pesticides & Herbicides (763) SDWA Pesticides & Herbicides (763) SDWA Pesticides & Herbicides (763) SDWA Pesticides & Herbicides (764) Polynuclear Aromatic Hydrocarbons (763) SDWA Pesticides & Margeables (760) Congradue (764) Polynuclear Aromatic Hydrocarbons (764) Polynuclear Aromatic Hydrocarbons (764) Polynuclear Aromatic Hydrocarbons (764) Polynuclear Aromatic Hydrocarbons (763) SDWA Pesticides Herbicides Herbicides (765) DETECTED CONC. (76	THIS PA	GE FOR LABO	RATORY RESULTS ONLY	
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(760) Mass Spectrometer Purgenoles (760) (760) (760) Other Specific Compounds or Classes (760) (760) (760) Organochlorine Pesticides (760) (760) (760) Organochlorine Pesticides (760) (760) (761) Organochlorine Pesticides (761) (761) (762) (761) (763) Organochlorine Pesticides (764) (761) (765) (762) (762) SDWA Pesticides & Herbicides (762) SDWA Pesticides & Herbicides (763) DETECTED CONC. COMPOUND(S) DETECTED CONC. (764) Polynuclear Aromatic Hydrocarbons (765) OTHERS (762) (764) DETECTED CONC. (765) DETECTED CONC. (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides (764) Polynuclear Aromatic Hydrocarbons (764) Polynuclear Aromatic Hydrocarbons	(754) Aromatic & Halogenated Purgeables		[(760) Organochiorine Pesticides	
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(760) Organochlorine Pesticides (761) Organophosphite Pesticides (761) Organophosphite Pesticides (762) SDWA Pesticides ANALYTICAL RESULTS COMPOUND(S) DETECTED CONC. COMPOUND(S) DETEC	Other Specific Compounds or Classes		(759) Herbicides, Triasines	
(761) Organophosphate Pesticides (767) Polychiorinated Biphenyls (PCB's) (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides ANALYTICAL RESULTS COMPOUND(S) DETECTED CONC. (PPD) MEAD TRACE - Metalame O SOOppon - oThers LOSS Token Spin - oThers LOSS Token Spin - oThers LOSS Token Spin - othere ND - othere ND - othere ND - othere ND - othere SDO - othere ND - othere SDO - othere ND - othere ND - othere SDO - othere ND - othere SDO - othere ND - othere ND - othere SDO - othere ND - othere SDO - othere ND - othere SDO - othere ND - othere ND - othere SDO - othere ND - othere ND - othere SDO - othere SDO - othere ND - othere SDO - othe			(760) Organochlorine Pesticides	
☐ (767) Polychoinated Biphenyls (PCB's) ☐ (764) Polynuclear Aromatic Hydrocarbons ☐ (763) SDWA Pesticides & Herbicides ANALYTICAL RESULTS COMPOUND(S) DETECTED CONC. COMPOUND(S) DETECTED CONC. ANALYTICAL RESULTS COMPOUND(S) DETECTED CONC. IMAD SPACE - Methodame of Sooppare -oThers coss 7 them Space Alexan Space Alexan Space]		(761) Organophosphate Pesticides	
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A logenated purgeables ND benane 18 toluene ND toluene ND ethylpemane ND p-xylene 92 n-xylene 300 0-xylene ND + DETECTION LIMIT + + Syde	- Olhans LOSS T	an san	TTT + 11	444
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· DETECTION LIMIT · * 5 + DETECTION LIMIT + + Some		_	O-Jylene	$\frac{ND}{}$
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DDEVIATIONS LIGED.	• DETECTION LIMIT • 不	5	+ DETECTION LIMIT +	1-Somb
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T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED)	[RESULTS IN BRACKETS] ARE UNCON	FIRMED AND/	OR WITH APPROXIMATE QUANTITATION	
T $R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED)[RESULTS IN BRACKETS] ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION$				
T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED) { RESULTS IN BRACKETS } ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION	DRATORY DEMARKS ZAAO	the state	Plice Atra For handa	
T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED) [RESULTS IN BRACKETS] ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION	+ + 1	- n	and the compounds	were
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T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED) [RESULTS IN BRACKETS] ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION PRATORY REMARKS: Frace amounts of five other compounds were tested by the aromatic screen that were not identified.				
T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED) [RESULTS IN BRACKETS] ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION PRATORY REMARKS. <u>Prace mounts of five other compounds were</u> tected by the aromatic screen that were not identified.				
T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED) { RESULTS IN BRACKETS } ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION PRATORY REMARKS. Frace amounts of five other compounds were tected by the aromatic screen that were not identified.				

that the statements on this page accurately reflect the analytical results for this sample. Date(s) of analysis: $\frac{4/13/87}{2}$. Analyst's signature:

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eu n I certify that I have reviewed and concur with the analytical results for this sample and with the statements in this block. MAY 1 8 1967 Reviewers signature: 🗡 me

		Albuquerque,	NM 87106	841-257	
	• • ••	David Boyer			5.1.D. No. OR- 538 Att
		N.M. Oil Conservation Divi	sion		DATE REC. 4-6-87
		P. O. Box 2088			
		Santa Fe, N.M. 87504-2088			PRIORITY
	PHONE(S):	327-5812	_	USER	CODE: $ 3 ^2 2 ^3 5 $
5	SUBMITTER:	David Boyer			CODE: 12 6 0
	SAMPLE COLLE	CTION CODE: (YYMMDDHHMMIII)	8 7 0	4017	21/14/4/51 1501
5	SAMPLE TYPE:	WATER [X], SOIL [], FOOD [],	OTHER:		
	COUNTY: SAN	JUAN ; CITY: BC	OOMFIE	3	
I	LOCATION CODI	E: (Township-Range-Section-Tracts) &	2191N+	/1/16	J + 2 4 + 4 2 3 (10N06E24342)
	ANALYSES REQ	UESTED : Please check the appropriate	box(es) below	to indica	the type of analytical screens
r	equired. Wheneve	r possible list specific compounds susp	ected or requir	ed.	
6		ic Purgeables (1-3 Carbons)		<u>E</u> (751)	Aliphatic Hydrocarbons
	(754) Aromat	ic & Halogenated Purgeables	-	(760)	Organochlorine Pesticides
	(765) Mass S	pectrometer Purgeables	1	(755)	Base/Neutral Extractables
1.	(100) Ithhard	Specific Compounds or Classes		(759)	Herbicides, Triazines
1	<u> HE</u>	AD SPACE		(760)	Organochlorine Pesticides
[╡ ──			(761)	Organophosphate Pesticides
				(764)	Polynuclear Aromatic Hydrocarbons
	5			(762)	SDWA Pesticides & Herbicides
F	Remarks:i	ALDEZ AUGER A	IOLE 6		•
-	S OF HO	LE 2 ON FORE	of MAR	2.571	
P	IELD DATA:				
p	oH= <u>_7, +</u> ; Cor	nductivity= <u>600</u> umho/cm at _//	C; Chlorine	Residual=	mg/l
Ľ	Dissolved Oxygen=	mg/l; Alkalinity=mg/l;	Flow Rate		/
E	Depth to water _	<u>32"</u> ; Depth of well <u>51"</u> ; P	erforation Inter	val	ft.; Casing:
s	Sampling Location	, Methods and Remarks (i.e. odors, etc	c.)		
-	HC	STAIN + QAOR			
-					Valder A#/
1	certify that the	results in this block accurately reflect	the results o	f my field	analyses, observations and
a	ctivities.(signature	collector)	7	_ Method	of Shipment to the Lab: Hond cam
1	This form accomp	aniesSeptum Vials, Gla	s Jugs, and/c	or	
	NP:	No Preservation; Sample stored at roc	m temperature		`
1	P-Ice	Sample stored in an ice bath (Not Fi	rozen).		
	P-Na S O	Sample Preserved with Sodium Thiosu	fate to remove	e chlorine	residual.
			N -214 - 34		
	certify that this	sample was transferred from			to
a	te (location)		on		and that
1 t	ne statements in	this block are correct. Evidentiary Ser	ais: Not Sealed	Se Se	ais intact: Yes No

EPA METHOD 624

Client Name: TENNECO OIL COMPANY

Client ID: VALDEZ AUGER #1

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Laboratory ID: 63342-001

Enseco ID: 63342-001

Matrix: Water	Sampled: 04/02/87	Received: 04/03/87
Authorized: 04/03/87		Analyzed: 04/07/87

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>
Benzene	N.D.	ug/L	5.0
Bromoform	N.D.	ug/L	5.0
Carbon tetrachloride	N.D.	ug/L	- 5.0
Chlorobenzene	N.D.	ug/L	5.0
Dibromochloromethane	N.D.	ug/L	5.0
Chloroethane	N.D.	ug/L	10
2-Chloroethylvinyl ether	N.D.	ug/L	10
Chloroform	N.D.	ug/L	5.0
Bromodichloromethane	N.D.	ug/L	5.0
1,1-Dichloroethane	N.D.	ug/L	5.0
1,2-Dichloroethane	N.D.	ug/L	5.0
1,1-Dichloroethene	N.D.	ug/L	5.0
1,2-Dichloropropane	N.D.	ug/L	5.0
Ethylbenzene	N.D.	ug/L	5.0
Methylbromide	N.D.	ug/L	10
Chloromethane	N.D.	ug/L	10
Methylene chloride	N.D.	ug/L	25
1,1,2,2-Tetrachloroethane	N.D.	ug/L	5.0
Tetrachloroethylene	N.D.	ug/L	5.0
Toluene	N.D.	ug/L	5.0
trans-1,2-Dichloroethene	N.D.	ug/L	5.0
1,1,1-Trichloroethane	N.D.	ug/L	5.0
1,1,2-Trichloroethane	N.D.	ug/L	5.0
Trichloroethylene	N.D.	ug/L	5.0
Vinyl chloride	N.D.	ug/L	10
m-Xylene	N.D.	ug/L	5.0
o & p-Xylenes	N.D.	ug/L	5.0
cis-1,3-Dichloropropene	N.D.	ug/L	5.0
trans-1,3-Dichloropropene	N.D.	ug/L	5.0

N.D. = Not detected

Reported by: Alan Alai

Approved by: Michael Brooks

EPA METHOD 624

Client Name: TENNECO O	IL COMPANY			
Client ID: VALDEZ AUGE	R #2			
Laboratory ID: 63342-002	E-002 Enseco ID: 63342-002			
Matrix: Water	Sampled: 04/02/87		Received: 04/03/87	
Authorized: 04/03/87			Analyzed: 04/08/87	
<u>Parameter</u>		<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>
Benzene		87	ug/L	40
Bromoform		N.D.	ug/L	40
Carbon tetrachloride		N.D.	ug/L	40
Chlorobenzene		N.D.	ug/L	40
Dibromochloromethane		N.D.	ug/L	40
Chloroethane		N.D.	ug/L	80
2-Chloroethylvinyl ether		N.D.	ug/L	80
Chloroform		N.D.	ug/L	40
Bromodichloromethane		N.D.	ug/L	40
1,1-Dichloroethane		N.D.	ug/L	40
1,2-Dichloroethane		N.D.	ug/L	40
1,1-Dichloroethene		N.D.	ug/L	40
1,2-Dichloropropane		N.D.	ug/L	40
Ethylbenzene		62	ug/L	40
Methylbromide		N.D.	ug/L	80
Chloromethane		N.D.	ug/L	80
Methylene chloride		N.D.	ug/L	200
1,1,2,2-Tetrachloroethane		N.D.	ug/L	40
Tetrachloroethylene		N.D.	ug/L	40
Toluene		N.D.	ug/L	40
trans-1,2-Dichloroethene		N.D.	ug/L	40
1,1,1-Trichloroethane		N.D.	ug/L	40
1,1,2-Trichloroethane		N.D.	ug/L	40
Trichloroethylene		N.D.	ug/L	40
Vinyl chloride		N.D.	ug/L	80
m-Xylene		450	ug/L	40
o & p-Xylenes	;	300	ug/L	40
cis-1,3-Dichloropropene		N.D.	ug/L	40
trans-1.3-Dichloropropene		N.D.	ug/L	40

N.D. = Not detected

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Reported by: Alan Alai

Approved by: Michael Brooks

EPA METHOD 624

Client Name: TENNECO O	IL COMPANY				
Client ID: VALDEZ AUGE	R #3				
Laboratory ID: 63342-003	aboratory ID: 63342-003 Enseco ID: 63342-003				
Matrix: Water	Sampled: 04/02/87	R	eceived: 04/03/87		
Authorized: 04/03/87		Α	nalyzed: 04/08/87		
Parameter	Re	<u>sult</u>	<u>Units</u>	Reporting <u>Limit</u>	
Benzene	60	00	ug/L	40	
Bromoform	N	I.D.	ug/L	40	
Carbon tetrachloride	N	I.D.	ug/L	40	
Chlorobenzene	N	I.D.	ug/L	40	
Dibromochloromethane	М	I.D.	ug/L	40	
Chloroethane	Ν	I.D.	ug/L	80	
2-Chloroethylvinyl ether	Ν	I.D.	ug/L	80	
Chloroform	Ν	I.D.	ug/L	40	
Bromodichloromethane	Ν	I.D.	ug/L	40	
1,1-Dichloroethane	Ν	I.D.	ug/L	40	
1,2-Dichloroethane	Ν	I.D.	ug/L	40	
1,1-Dichloroethene	Ν	I.D.	ug/L	40	
1,2-Dichloropropane	Ν	I.D.	ug/L	40	
Ethylbenzene		82	ug/L	40	
Methylbromide	И	I.D.	ug/L	80	
Chloromethane	И	I.D.	ug/L	80	
Methylene chloride	И	I.D.	ug/L	200	
1,1,2,2-Tetrachloroethane	И	I.D.	ug/L	40	
Tetrachloroethylene	И	I.D.	ug/L	40	
Toluene	И	I.D.	ug/L	40	
trans-1,2-Dichloroethene	N	I.D.	ug/L	40	
1,1,1-Trichloroethane	Ν	I.D.	ug/L	40	
1,1,2-Trichloroethane	N	I.D.	ug/L	40	
Trichloroethylene	N	I.D.	ug/L	40	
Vinyl chloride	N	I.D.	ug/L	80	
m-Xylene	51	70	ug/L	40	
o & p-Xylenes	4:	30	ug/L	40	
cis-1,3-Dichloropropene	N	I.D.	ug/L	40	
trans-1,3-Dichloropropene	N	ſ. D .	ug/L	40	

N.D. = Not detected

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Reported by: Alan Alai

Approved by: Michael Brooks

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PRIORITY POLLUTANT VOLATILE ORGANICS

EPA METHOD 624

Authorized: 04/03/87		Analyzed: 04/07/87	
Matrix: Water	Sampled: 04/02/87	Received: 04/03/87	
Laboratory ID: 63342-004	Enseco ID: 6	53342-004	
Client ID: VALDEZ AUGER	\$ #4		
Client Name: TENNECO OII	L COMPANY		

Parameter	Result	Units	Reporting Limit
<u>x wramotor</u>	<u>ittebuitt</u>	<u>Onres</u>	<u></u>
Benzene	N.D .	ug/L	5.0
Bromoform	N.D.	ug/L	5.0
Carbon tetrachloride	N.D.	ug/L	5.0
Chlorobenzene	N.D.	ug/L	- 5.0
Dibromochloromethane	N.D.	ug/L	5.0
Chloroethane	N.D.	ug/L	10
2-Chloroethylvinyl ether	N.D.	ug/L	10
Chloroform	N.D.	ug/L	5.0
Bromodichloromethane	N.D.	ug/L	5.0
1,1-Dichloroethane	N.D.	ug/L	5.0
1,2-Dichloroethane	N.D.	ug/L	5.0
1,1-Dichloroethene	N.D.	ug/L	5.0
1,2-Dichloropropane	N.D.	ug/L	5.0
Ethylbenzene	N.D.	ug/L	5.0
Methylbromide	N.D.	ug/L	10
Chloromethane	N.D.	ug/L	10
Methylene chloride	N.D.	ug/L	25
1,1,2,2-Tetrachloroethane	N.D.	ug/L	5.0
Tetrachloroethylene	N.D.	ug/L	5.0
Toluene	N.D.	ug/L	5.0
trans-1,2-Dichloroethene	N.D.	ug/L	5.0
1,1,1-Trichloroethane	N.D.	ug/L	5.0
1,1,2-Trichloroethane	N.D.	ug/L	5.0
Trichloroethylene	N.D.	ug/L	5.0
Vinyl chloride	N.D.	ug/L	10
m-Xylene	N.D.	ug/L	5.0
o & p-Xylenes	N.D.	ug/L	5.0
cis-1,3-Dichloropropene	N.D.	ug/L	5.0
trans-1,3-Dichloropropene	N.D.	ug/L	5.0

N.D. = Not detected

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Reported by: Alan Alai

Approved by: Michael Brooks

EPA METHOD 624

Client Name: TENNECO O	IL COMPANY			
Client ID: VALDEZ AUGE	R #5			
Laboratory ID: 63342-005 Enseco ID: 63342-005				
Matrix: Water	Sampled: 04/02/87		Received: 04/03/87	
Authorized: 04/03/87			Analyzed: 04/08/87	
<u>Parameter</u>		<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>
Benzene		N.D.	ug/L	80
Bromoform		N.D.	ug/L	80
Carbon tetrachloride		N.D.	ug/L	80
Chlorobenzene		N.D.	ug/L	80
Dibromochloromethane		N.D.	ug/L	80
Chloroethane		N.D.	ug/L	160
2-Chloroethylvinyl ether		N.D.	ug/L	160
Chloroform		N.D.	ug/L	80
Bromodichloromethane		N.D.	ug/L	80
1,1-Dichloroethane		N.D.	ug/L	80
1,2-Dichloroethane		N.D.	ug/L	80
1,1-Dichloroethene		N.D.	ug/L	80
1,2-Dichloropropane		N.D.	ug/L	80
Ethylbenzene		110	ug/L	80
Methylbromide		N.D.	ug/L	160
Chloromethane		N.D.	ug/L	160
Methylene chloride		N.D.	ug/L	400
1,1,2,2-Tetrachloroethane		N.D.	ug/L	80
Tetrachloroethylene		N.D.	ug/L	80
Toluene		N.D.	ug/L	80
trans-1,2-Dichloroethene		N.D.	ug/L	80
1,1,1-Trichloroethane		N.D.	ug/L	80
1,1,2-Trichloroethane		N.D .	ug/L	80
Trichloroethylene		N.D.	ug/L	80
Vinyl chloride		N.D.	ug/L	160
m-Xylene		790	ug/L	80
o & p-Xylenes	•	470	ug/L	80
cis-1,3-Dichloropropene		N.D.	ug/L	80
trans-1,3-Dichloropropene		N.D.	ug/L	80

N.D. = Not detected

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Reported by: Alan Alai

Approved by: Michael Brooks

EPA METHOD 624

<u>Parameter</u>	Re	<u>sult</u>	<u>Units</u>	Reporting <u>Limit</u>
Authorized: 04/03/87		Ana	lyzed: 04/08/87	
Matrix: Water	Sampled: 04/02/87 Received: 04/03/87			
Laboratory ID: 63342-006	Enseco ID:	63342-006		
Client ID: VALDEZ AUGE	R #6			
Client Name: TENNECO O	IL COMPANY			

Benzene	N.D.	ug/L	25
Bromoform	N.D.	ug/L	25
Carbon tetrachloride	N.D .	ug/L	25
Chlorobenzene	N.D.	ug/L	25
Dibromochloromethane	N.D.	ug/L	25
Chloroethane	N.D.	ug/L	50
2-Chloroethylvinyl ether	N.D.	ug/L	50
Chloroform	N.D .	ug/L	25
Bromodichloromethane	N.D.	ug/L	25
1,1-Dichloroethane	N.D.	ug/L	25
1,2-Dichloroethane	N.D.	ug/L	25
1,1-Dichloroethene	N.D.	ug/L	25
1,2-Dichloropropane	N.D.	ug/L	25
Ethylbenzene	N.D.	ug/L	25
Methylbromide	N.D.	ug/L	50
Chloromethane	N.D.	ug/L	50
Methylene chloride	N.D.	ug/L	120
1,1,2,2-Tetrachloroethane	N.D.	ug/L	25
Tetrachloroethylene	N.D.	ug/L	25
Toluene	N.D.	ug/L	25
trans-1,2-Dichloroethene	N.D.	ug/L	25
1,1,1-Trichloroethane	N.D.	ug/L	25
1,1,2-Trichloroethane	N.D.	ug/L	25
Trichloroethylene	N.D.	ug/L	25
Vinyl chloride	N.D.	ug/L	50
m-Xylene	400	ug/L	25
o & p-Xylenes	170	ug/L	25
cis-1,3-Dichloropropene	N.D.	ug/L	25
trans-1,3-Dichloropropene	N.D.	ug/L	25

N.D. = Not detected

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Reported by: Alan Alai

Approved by: Michael Brooks

EPA METHOD 624

Client	Mame	TENNECO	OII	COMPANY
Client	iname:	IENNECO	UIL	COMPANI

Client ID: VALDEZ #7

Laboratory ID: 63564-001

Enseco ID: 63564-001

Matrix: Water	Sampled: 05/05/87	Received: 05/07/87
Authorized: 05/07/87		Analyzed: 05/11/87

Author	zed:	05/0	1/8/	

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			Reporting
<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Limit
Benzene	N.D.	ug/L	50
Bromoform	N.D.	ug/L	50
Carbon tetrachloride	N.D.	ug/L	50
Chlorobenzene	N.D.	ug/L	50
Dibromochloromethane	N.D.	ug/L	50
Chloroethane	N.D.	ug/L	100
2-Chloroethylvinyl ether	N.D.	ug/L	100
Chloroform	N.D.	ug/L	50
Bromodichloromethane	N.D.	ug/L	50
1,1-Dichloroethane	N.D.	ug/L	50
1,2-Dichloroethane	N.D.	ug/L	50
1,1-Dichloroethene	N.D.	ug/L	50
1,2-Dichloropropane	N.D.	ug/L	50
Ethylbenzene	N.D.	ug/L	50
Methylbromide	N.D.	ug/L	100
Chloromethane	N.D.	ug/L	100
Methylene chloride	N.D.	ug/L	250
1,1,2,2-Tetrachloroethane	N.D.	ug/L	50
Tetrachloroethylene	N.D.	ug/L	50
Toluene	N.D.	ug/L	50
trans-1,2-Dichloroethene	N.D.	ug/L	50
1,1,1-Trichloroethane	N.D.	ug/L	50
1,1,2-Trichloroethane	N.D.	ug/L	50
Trichloroethylene	N.D.	ug/L	50
Vinyl chloride	N.D.	ug/L	100
m-Xylene	420	ug/L	50
o & p-Xylenes	180	ug/L	50
cis-1,3-Dichloropropene	N.D.	ug/L	50
trans-1,3-Dichloropropene	N.D.	ug/L	50

N.D. = Not detected

Reported by: Stephen Siegal

Approved by: Michael Brooks

EPA METHOD 624

Client Name: TENNECO OIL COMPANY

Client ID: VALDEZ #8

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Laboratory ID: 63564-002

Enseco ID: 63564-002

Matrix: Water Sampled: 05/05/87 Authorized: 05/07/87

Received: 05/07/87 Analyzed: 05/11/87

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Reporting <u>Limit</u>
Benzene	380	ug/L	320
Bromoform	N.D.	ug/L	320
Carbon tetrachloride	N.D.	ug/L	- 320
Chlorobenzene	N.D.	ug/L	320
Dibromochloromethane	N.D.	ug/L	320
Chloroethane	N.D.	ug/L	640
2-Chloroethylvinyl ether	N.D.	ug/L	640
Chloroform	N.D.	ug/L	320
Bromodichloromethane	N.D.	ug/L	320
1,1-Dichloroethane	N.D.	ug/L	320
1,2-Dichloroethane	N.D.	ug/L	320
1,1-Dichloroethene	N.D.	ug/L	320
1,2-Dichloropropane	N.D.	ug/L	320
Ethylbenzene	N.D.	ug/L	320
Methylbromide	N.D.	ug/L	640
Chloromethane	N.D.	ug/L	640
Methylene chloride	N.D.	ug/L	1600
1,1,2,2-Tetrachloroethane	N.D.	ug/L	320
Tetrachloroethylene	N.D.	ug/L	320
Toluene	1100	ug/L	320
trans-1,2-Dichloroethene	N.D.	ug/L	320
1,1,1-Trichloroethane	N.D.	ug/L	320
1,1,2-Trichloroethane	N.D.	ug/L	320
Trichloroethylene	N.D.	ug/L	320
Vinyl chloride	N.D.	ug/L	640
m-Xylene	2100	ug/L	320
o & p-Xylenes	1300	ug/L	320
cis-1,3-Dichloropropene	N.D.	ug/L	320
trans-1,3-Dichloropropene	N.D.	ug/L	320

N.D. = Not detected

Reported by: Stephen Siegal

Approved by: Michael Brooks

EPA METHOD 624

Client Name: TENNECO OIL COMPANY

Client ID: VALDEZ #9

Laboratory ID: 63564-003

Enseco ID: 63564-003

Matrix: Water Sampled: 05/05/87 Received: 05/07/87 Analyzed: 05/11/87

Authorized: 05/07/87

Parameter	Result	Units	Reporting Limit
		-Tilling and	
Benzene	N.D.	ug/L	5.0
Bromoform	N.D.	ug/L	5.0
Carbon tetrachloride	N.D.	ug/L	5.0
Chlorobenzene	N.D.	ug/L	5.0
Dibromochloromethane	N.D.	ug/L	5.0
Chloroethane	N.D.	ug/L	10
2-Chloroethylvinyl ether	N.D.	ug/L	10
Chloroform	N.D.	ug/L	5.0
Bromodichloromethane	N.D.	ug/L	5.0
1,1-Dichloroethane	N.D.	ug/L	5.0
1,2-Dichloroethane	N.D.	ug/L	5.0
1,1-Dichloroethene	N.D.	ug/L	5.0
1,2-Dichloropropane	N.D.	ug/L	5.0
Ethylbenzene	N.D.	ug/L	5.0
Methylbromide	N.D.	ug/L	10
Chloromethane	N.D.	ug/L	10
Methylene chloride	N.D.	ug/L	25
1,1,2,2-Tetrachloroethane	N.D.	ug/L	5.0
Tetrachloroethylene	N.D.	ug/L	5.0
Toluene	N.D.	ug/L	5.0
trans-1,2-Dichloroethene	N.D.	ug/L	5.0
1,1,1-Trichloroethane	N.D.	ug/L	5.0
1,1,2-Trichloroethane	N.D.	ug/L	5.0
Trichloroethylene	N.D.	ug/L	5.0
Vinyl chloride	N.D.	ug/L	10
m-Xylene	N.D.	ug/L	5.0
o & p-Xylenes	" N.D.	ug/L	5.0
cis-1,3-Dichloropropene	N.D.	ug/L	5.0
trans-1.3-Dichloropropene	N.D.	ug/L	5.0

N.D. = Not detected

Reported by: Stephen Siegal

Approved by: Michael Brooks

EPA METHOD 624

Client Name: TENNECO OIL COMPANY

Client ID: VALDEZ #10

Authorized: 05/07/87

Laboratory ID: 63564-004

Enseco ID: 63564-004

Matrix: Water Sampled: 05/05/87

Received: 05/07/87 Analyzed: 05/11/87

			Reporting
<u>Parameter</u>	<u>Result</u>	<u>Units</u>	Limit
Benzene	N.D.	ug/L	5.0
Bromoform	N.D.	ug/L	5.0
Carbon tetrachloride	N.D.	ug/L	5.0
Chlorobenzene	N.D.	ug/L	5.0
Dibromochloromethane	N.D.	ug/L	5.0
Chloroethane	N.D.	ug/L	10
2-Chloroethylvinyl ether	N.D.	ug/L	10
Chloroform	N.D.	ug/L	5.0
Bromodichloromethane	N.D.	ug/L	5.0
1,1-Dichloroethane	N.D.	ug/L	5.0
1,2-Dichloroethane	N.D.	ug/L	5.0
1,1-Dichloroethene	N.D.	ug/L	5.0
1,2-Dichloropropane	N.D.	ug/L	5.0
Ethylbenzene	N.D.	ug/L	5.0
Methylbromide	N.D.	ug/L	10
Chloromethane	N.D.	ug/L	10
Methylene chloride	N.D.	ug/L	25
1,1,2,2-Tetrachloroethane	N.D.	ug/L	5.0
Tetrachloroethylene	N.D.	ug/L	5.0
Toluene	N.D.	ug/L	5.0
trans-1,2-Dichloroethene	N.D.	ug/L	5.0
1,1,1-Trichloroethane	N.D.	ug/L	5.0
1,1,2-Trichloroethane	N.D.	ug/L	5.0
Trichloroethylene	N.D.	ug/L	5.0
Vinyl chloride	N.D.	ug/L	10
m-Xylene	N.D.	ug/L	5.0
o & p-Xylenes	N.D.	ug/L	5.0
cis-1,3-Dichloropropene	N.D.	ug/L	5.0
trans-1,3-Dichloropropene	N.D.	ug/L	5.0

N.D. = Not detected

Reported by: Stephen Siegal

Approved by: Michael Brooks

2-11-87 Concerning the oil spill" at the Valdez A-1 this is what Tremember. Unfortunantly there is little or no documentation. To better understand what happened I drew a small map. I was given this well aprox. 2 years ago to operate. About 2 weeks went by when I found a leak in the oil dump line about halfway between our production unit and production Tanks 2(210 BBL). The formation of this well is a Dakota. Typically loading up, the only sanctary way to clean the well was to unload it downstream. To do this, pressure on the sales line was lowered. This was possible since the sales line flowed into a low pressure line (PICTURED CHIFFS LINE). after the well had unloaded, sales line pressure was raised to normal pressure at the back pressure controller. When I found the leak It was decided that a repair clamp would fix it. The leak was caused when the threads slipped out of a collar. a repair was made the next day.

2-11-87 Normal operation of the production unit produced some water to the production Tanks. It became necessary to drain water before oil transport was acceptable. The landowner alleged that water had been drained directly into the swamp when the production tanks were in the original location. Since it is nearly impossible to say with any accuracy how much oil was lost let me mention that normally only small amounts of oil would be but unless the well was cleaned (after logging off) at the leak between the production unit and production tanks. Andrew Valdez



ENERGY AND MINERALS DEPARTMENT

STATE OF NEW MEXICO



February 11, 1987

GLAREN CARRUTHERS 30. ERNOR

FOST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FEINEW MEXICO BT501 (505: 827-5800

Mr. Tony Valdez Rt. 3, Box 100 Bloomfield, N.M. 87413

Dear Mr. Valdez:

Enclosed are the rest of the laboratory analyses of water samples taken on your property on November 17, 1986. The first laboratory results were sent to you on January 5.

We would like to meet with Tenneco representatives and perform additional sampling and investigation on your property on February 26. If this date is inconvenient for you, please let me know. Otherwise, we will all meet with you on the morning of February 26, 1987.

If you have any questions, feel free to call me in Santa Fe at 827-5884.

Sincerely,

Jan Erile

JAMI BAILEY Field Representative

JB:dp

Enc.

cc: Martin W. Buys, Tenneco OCD-Aztec

REPORT TO: David Boyer S.L.D. No. OR. //2015/41/2 N.M. Oil Conservation Division DATE REC. //-20-% (P. O. Box 2088 PRIORITY Santa Fe, N.M. 87504-2088 PRIORITY SUBMITTER: David Boyer CODE: [2] 6] 0 SAMPLE COLLECTION CODE: (YMMDDHHMMIII) [2] 6] 10 [3] 5 SAMPLE COLLECTION CODE: (YVMMDDHHMMIII) [2] 6] 10 [3] 5 SAMPLE COLLECTION CODE: (YVMMDDHHMMIII) [2] 6] 10 [3] 5 SAMPLE COLLECTION CODE: (YVMMDDHHMMIII) [2] 6] 10 [3] 5 SAMPLE COLLECTION CODE: (YVMMDDHHMMIII) [2] 6] 10 [3] 5 COUNTY: SAU (JCAL) (TV) (CODE: [2] 10 [3] 5 LOCATION CODE: (TVMMDDHHMMIII) [2] 6] 10 [3] 5 [4] 5 [4] 7 [4] 14 [4] 4 4 [4] 14 [4] 4 4 [4] 14 [4] 5 [4] 5 [4] 10 [4] 5 [4] 7 [4] 10 [4] 7 [4] 7 [4] 7 [6] 7 [6] 7 [6] 7 [7] 7 [7] 7 [7] 7 [7] 7 [7] 7 [7] 7 [7] 7	· · · · · · · · · · · · · · · · · · ·		· ·
N.M. 011 Conservation Division DATE REC. //-20-f(P. O. Box 2088	REPORT TO:	David Boyer	S.L.D. No. OR- 1345 ATB
P. 0. Box 2088 Santa Fe, N.M. 87504-2088 PHONE(S): 827-5812 USER CODE: 8 2 2 3 5 SUBMITTER: David Boyer CODE: 2 6 0 SAMPLE TYPER: WIMDDHHMMIN) SUBMITTER: David Boyer COULCTION CODE: (YYMMDDHHMMIN) SAMPLE TYPE: CODE: COUNTY: SAMPLE TYPE: ANALYSES REQUESTED: Passe check the appropriate box(a) below to indicate the type of analytical screens COUNTY: SAMPLE TYPE: DECATION CODE: (Township-Range-Saction-Tracto) [1753] Ananomatic & Hudgematch Purgeables [1754] Commande Purgeables [1754] Compounds or Classes [1760] Organochione Pasticides [1761] Mainster Automatic Mugachies [1763] Makenontante [1764] Polymoticer Aromatic Hydrocarbons [1764] Polymotice		N.M. Oil Conservation Division	DATE REC. 11-20-86
Santa Fe, N.M. 87504-2088 PRIORITY BATTA Fe, N.M. 87504-2088 PRIORITY SUBMITTER: David Boyer CODE: [2 [2] 3 5] SUBMITTER: David Boyer CODE: [2 [5] 0] SAMPLE COLLECTION CODE: (YYMMDDHMMIII) SAMPLE TYPE: WATER [2], SOIL		P. O. Box 2088	
PHONE(S): 827-5812 USER CODE: 8 [2] 2] 3 5 SUBMITTER: David Boyer CODE: [2] 6] 0 SAMPLE COLLECTION CODE: (YYMMDDHHMMIII) [8] 2] 2] 3 5 [3] 5 SAMPLE COLLECTION CODE: (YYMMDDHHMMIII) [8] 2] 2] 3 5 [3] 5 SAMPLE COLLECTION CODE: (YYMMDDHHMMIII) [8] 2] 2] 3 5 [3] 5 SAMPLE TYPE: WATER [Q], SOL [], FOOD [] OTHER: CODE: [] [] [] LOCATION CODE: (Twaship-Range-Section Tracts) [2] 4] // 4 / 1] [] [] [] [] [] [] [] [] [] [] [] [] [Santa Fe, N.M. 87504-2088	PRIORITY
SUBMITTER: David Boyer CODE: [2 6 10] SAMPLE COLLECTION CODE: (YYMMDDHHMMIII) [2 6 1 1 1 1 1 7 1 1 3 1 0] 2 3 1 0] 3 3 1 0] 3 3 1 0] 3 3 1 0] 3 3 1 0] 3 3 1 0] 3 3 1 0] 3 3 1 0] 3 3 1 0] 3 3 1 0] 3 3 1 0] 3 3 1 0] 3 1 0] 3 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0] 3 1 0	PHONE(S):	827-5812	USER CODE: $ 8 ^2 2 ^3 5 $
SAMPLE COLLECTION CODE: (YYMMDDHHMMIII) <u>\$161/11/171/131/10</u> SAMPLE COLLECTION CODE: (YYMMDDHHMMIII) <u>\$161/11/171/131/10</u> SAMPLE COLLECTION CODE: (YYMMDDHHMMIII) <u>\$161/11/171/171/131/10</u> SAMPLE COLLECTION CODE: (JUNADDHHMMIII) <u>\$161/11/171/171/1711</u> COUNTY: <u>SAM JUAM</u> ; CITY: <u>CLOAMETEC 1.37</u> CODE: <u>111</u> COUNTY: <u>SAM JUAM</u> ; CITY: <u>CLOAMETEC 1.37</u> CODE: <u>111</u> LOCATION CODE: (Township-Range-Section-Tracts) <u>\$191/10</u> LOCATION CODE: (Township-Range-Section-Tracts) <u>\$101/10</u> LOCATION CODE: COMPOUNDS LOCATION CODE: COMPOUNDS LO	SUBMITTER	David Boyer	
SAMPLE TYPE: WATER €, SOIL □, POOD □, OTHER: CODE: COUNTY: SGM JURN _; CITY: CODE: COUNTY: SGM JURN _; CITY: CODE: LOCATION CODE: (Tomobip-Range-Section-Tracts) [G 4 1 / 4 1 W + 2 4 + 4 3 (10N06224342) ANALYSES REQUESTED: Please check the appropriate box(cs) below to indicate the type of analytical acreents required. Whenever possible list specific compounds suppeted or required. PURGEARER SCREENS EXTRACTABLE SCREENS [753] Aliphatic Hythese Screenses [760] Organochlorine Pesticides [763] Aliphatic Hythese Screenses [761] Organochlorine Pesticides [763] Miphatic Bytenester Purgeables [763] Hiphatic Hythrosphenopy acid [764] Organochlorine Pesticides [761] Organochlorine Pesticides [765] Miphatic Bytenester Purgeables [761] Organochlorine Pesticides [764] Organochlorine Pesticides [761] Organochlorine Pesticides [764] Polyacherinated Biphamyls (PCB's) [764] Polyacherinated Biphamyls (PCB's) [764] Disolve O VALOC 2. Cr. 3 Bort. COO Group CUTS: 2 2 2 4 3 3 TCULFO 0. VALOC 2. Cr. 3 Bort. COO Group CUTS: 2 2 2 4 3 3 TCULFO 0. VALOC 2. Cr. 3 Bort. COO	SAMPLE COLLE	ECTION CODE: (YYMMDDHHMMIII) 816	1/1/1/171/1318101 1.731
Number 1112: Multimer 11, order 11	SAMPLE TYPE	WATER VI SOIL TEOOD TO OTHER	
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DUCKTION CODE (1) Within praniperantiperanticity [2] [2] [2] [2] [2] [2] [2] [2] [2] [2]		$F_{III} = O F_{III} = O F_{III}$, $O F_{III} = O F_{III}$	$\frac{1}{2} = \frac{1}{2} = \frac{1}$
AMALYSIS INSULENTED: Please check the appropriate box(s) below to indicate the type of analytical screens required. Whenever possible list specific compounds suspected or required. PURGEABLE SCREENS [753] Aliphatic Purgeables (1-3 Carbons) [751] Aliphatic Bydrocarbons [754] Aliphatic Purgeables (1-3 Carbons) [751] Aliphatic Bydrocarbons [755] Aliphatic Purgeables [760] Organochlorine Pesticides [766] Organochlorine Pesticides [768] Herbicides, Chilorophenoxy acid [768] Organochlorine Pesticides [769] Organochlorine Pesticides [769] Organochlorine Pesticides [760] Organochlorine Pesticides [760] Organochlorine Pesticides [761] Aliphatie Pesticides [761] Organochlorine Pesticides [762] SDWA Pesticides [763] Mass Spectromate Multiple [764] Polynubeles Aromatic Hydrocarbons [764] Polynubeles Aromatic Hydrocarbons [767] Traburdic A Hydrocarbons [767] TONY VALOE2 Cr. 3 Bory 100 [762] SDWA Pesticides TONY VALOE2 Cr. 3 Bory 100 [762] SDWA Pesticides TONY VALOE2 Cr. 3 Bory 100 [760] Jock 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll 'Doll '	LOCATION COL	DE: (Township-Range-Section-Tracts)	$\frac{75 + 7 + 7 + 6 + 9 + 9 + 9 + 2}{(101006224342)}$
PURGEABLE SCREENS EXTRACTABLE SCREENS [753] Aliphatic Purgeables (1-3 Carbons) [761] Aliphatic Hydrocarbons [754] Mass Spectrometer Purgeables [760] Organochlorine Pesticides [766] Trihalomethanes [778] Aliphatic Hydrocarbonsy acid [766] Trihalomethanes [778] Mighatic Hydrocarbonsy acid [766] Trihalomethanes [778] Herbicides, Thiasines [766] Trihalomethanes [778] Herbicides, Thiasines [766] Trihalomethanes [778] Herbicides, Thiasines [767] Organochlorine Pesticides [778] Herbicides, Thiasines [778] Herbicides, Triasines [779] Organochlorine Pesticides [779] Organochlorine Pesticides [779] Organochlorine Pesticides [779] Organochlorine Pesticides [779] Polychorinated Biphenyls (PCB's) [770] TOLY VALOE2 Crt.3 Box Moo Geometrizen 2700 [770] MARCO VALOE2 Crt.3 Box Moo Geometrizen 2700 [771] DATA: [771] Data [771] Mathibitizen [772] [771] Data [772] Mathibitizen [772] [772] Mathibitizen [772] [772] Data [772] Mathibitizen [772] [772] Mathibitizen [772] [772] Data [772] Mathibitizen [772] [772] Mathibitizen [772] [772] Data	ANALYSES REC required. Whenev	JUENTED: Please check the appropriate box(es ver possible list specific compounds suspected o) Delow to indicate the type of analytical screens r required.
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Other Specific Compounds or Classes [750] Herbicides, Triazines [760] Organochlorine Pesticides [761] Organochlorine Pesticides [762] Organochlorine Pesticides [763] Marcharde Biphenyls (PCB's) [764] Polynuclear Aromatic Hydrocarbons [765] Marcharde Biphenyls (PCB's) [762] SDWA Pesticides & Herbicides Remarks: TONY VALOEZ [762] TONY VALOEZ [77] Polynchernated Biphenyls (PCB's) [762] TONY VALOEZ [77] Polyncherated Biphenyls (PCB's) [762] TONY VALOEZ [77] Polyncherated Biphenyls (PCB's) [762] TONY VALOEZ [77] Polyncherated Biphenyls (PCB's) [763] TONY VALOEZ [77] Polyncherated Biphenyls (PCB's) [764] TONY VALOEZ [77] Polyncherated Biphenyls (PCB's) [765] TONY VALOEZ [77] Polyncherated Biphenyls (PCB's) [765] TONY VALOEZ [77] Polyncherated Biphenyls (PCB's) [765] TONY VALOEZ [77] Polyncherated Biphenyls (PCB's) [766] TONY VALOEZ [77] Polyncherated Biphenyls (PCB's) [767] Polyncherated Biphenyls (PCB's) [76] Polyncherated Biphenyls (PCB's) [768] Polyncherated Biphenyls (PCB's) [76] Polyncherated Biphenyls (PCB's) [769] Polyncherated Biphenyls (PCB's) [76] Polynche	(766) Trihal	omethanes	(758) Herbicides, Chlorophenoxy acid
□ (760) Organochlorine Pesticides □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Other	r Specific Compounds or Classes	(759) Herbicides, Triazines
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☐ [767] Polychlorinated Biphenyls (PCB's) ☐ [764] Polynuclear Aromatic Hydrocarbons ☐ [762] SDWA Pesticides & Herbicides ##EDD DATA: [760] PALOE 2 [8] #1 PHELD DATA: [760] PALOE 2 [8] #1 PHELD DATA: [760] PALOE 2 [8] #1 Phenyloc Aromatic Hydrocarbons [760] PALOE 2 [8] #1 Phenyloc Aromatic Hydrocarbons [760] PALOE 2 [8] #1 Phenyloc Aromatic Hydrocarbons [760] PALOE 2 [760] PALOE 2 PHELD DATA: [760] PALOE 2 [760] PALOE 2 [760] PALOE 2 Polynonic Aromatic Hydrocarbons [760] PALOE 2 [760] PALOE 2 [760] PALOE 2 Depth to water [1/2] ft.; Depth of well 3/2 ft.; Perforation Interval ft.; Casing: [760] PALOE 2 [760] PALOE 2 [760] PALOE 2 Arocarbon Micocarbon Micocarbon School School School Sc	□		(761) Organophosphate Pesticides
□ (764) Polynuclear Aromatic Hydrocarbons □ (764) Polynuclear Aromatic Hydrocarbons □ (762) SDWA Pesticides & Herbicides Remarks: TONY VALDEZ, Pt.3 Bor. 100 Econtric 2 27413 TENATE O, VALOEZ, Pt = [Conductivity=]270 unho/cm at 14.5°C; Chlorine Residual=mg/l PH=; Conductivity=]370 unho/cm at 14.5°C; Chlorine Residual=mg/l Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate Depth to water 1 ^{1/2} ft.; Depth of well 3 ^{1/2} ft.; Perforation Intervalft.; Casing: Sampling Location, Methods and Remarks (i.e. odors, etc.) AUGEERSIO MOXEC MARECRSIO MOXEC MARECRSIO MOXEC Marecrsio SAMPREC MARE Marecrsio MARECRSIO Marecrsio SAMERCR 11 Marecrsio Strength Moxecrsio Marecrsio Marecrsio Marecrsio Moxecrsio Marecrsio Moxecrsio Marecrsio Moxecrsio Marecrsio Moxecrsio Marecrsio Moxecrsio Marecrsio Moxecrsio Moxecrsio Moxecrsio Moxecrsio Moxecrsio	□		(767) Polychlorinated Biphenyls (PCB's)
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Remarks: TONY VALOE 2 Rt. 3 Box. 100 Recommendation and the statements in this block are correct. Evidentiary Seals: Not Seals	II		[_] (762) SDWA Pesticides & Herbicides
TENNECO VALOE 2 # 1 Isom of 201 Delt FIELD DATA: pH=; Conductivity= 370 umbo/cm at 14.5° C; Chlorine Residual=mg/l Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate Depth to water $1^{1/2}$.ft.; Depth of well $3^{1/2}$.ft.; Perforation Intervalft.; Casing: Sampling Location, Methods and Remarks (i.e. odors, etc.) $AUSEERSSO HOCE 41 DOWNSRADIENT FROM PLT WITH RECENTELY INSTEAM GECON GRADE TRUE. 6^{th} AECON SURFACE WAS DESAY. STRINEO, HALDOWE SAID ETW 1/2.1 QUEEREO HALE 3/2 OEE? I oes DESAY. STRINEO, HALDOWE SAID ETW 1/2.1 I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): I Returned Mis form accompanies _2 Septum Vials, Glass Jugs, and/or Method of Shipment to the Lab.fdow Cancer Samples were preserved as follows: $	Remarks:	TONY VALDEZ RT3 BO	N. 100 BLOOMERED 87413
FIELD DATA: pH=; Conductivity= 370 umho/cm at 14.5 °C; Chlorine Residual=mg/l Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate/ Depth to water 1/2; ft.; Depth of well 3/2; ft.; Perforation Intervalft.; Casing: Sampling Location, Methods and Remarks (i.e. odors, etc.) AUXSERSSOMOKE	TENNECO	VALDEZ A #1 (ROMIN	· AskaTa (sal 'sel)
pH=; Conductivity=_370 umho/cm at /4.5°C; Chlorine Residual=mg/l Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate/ Depth to water //2 ft.; Depth of well 3/2 ft.; Perforation Intervalft.; Casing: Sampling Location, Methods and Remarks (i.e. odors, etc.) AUXFERSOXCE	FIELD DATA:		
Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate/ Depth to water2_t; Depth of well <u>3'/2</u> ft.; Perforation Intervalft.; Casing: Sampling Location, Methods and Remarks (i.e. odors, etc.) <u>AUSECESSO</u>	nH= ∶C	onductivity= 370 umbo/cm at 14.5°C.	Theorine Residual = mg/l
Dissolved Oxygen=mg/l; Alkalinity=mg/l; Flow Rate/ Depth to water <u>1 /2</u> ft.; Depth of well <u>3 /2</u> ft.; Perforation Interval ft.; Casing: Sampling Location, Methods and Remarks (i.e. odors, etc.) <u>AUX5ER52</u> <u>HOXE</u> <u>41</u> <u>DOWNERADIENT</u> <u>ROM</u> <u>PLT</u> <u>DITH</u> <u>RECENTELY</u> <u>INSTRUCE</u> <u>BECOW</u> <u>GRADE</u> <u>TANK</u> . <u>6</u> <u>RECOW</u> <u>SURFACE</u> <u>UNES</u> <u>DEGPY</u> . <u>STRUMED</u> , <u>H2</u> <u>ONVE</u> <u>SolU</u> <u>DTUS</u> <u>1 /2</u> <u>1</u> <u>AUX5ER52</u> <u>HOXE</u> <u>3 /2</u> <u>OEEP</u> . I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): <u>0</u> , <u>Mature</u> This form accompanies <u>2</u> Septum Vials, <u>1000</u> Glass Jugs, and/or <u>1000</u> Method of Shipment to the Lab . <u>f</u> <u>D</u> <u>A</u> <u>Ca</u> <u>Mecon</u> Samples were preserved as follows: <u>NP</u>: No Preservation; Sample stored at room temperature. <u>NP</u>: No Preservation; Sample stored at room temperature. <u>NP</u>: No Preserved with Sodium Thiosulfate to remove chlorine residual. <u>CHAIN OF</u> <u>CUSTOPY</u> I certify that this sample was transferred from to and that the statements in this block are correct. Evidentiary Seals: Not Sealed Seals Intact: Yes no	pii, o.	$\frac{1}{2} + \frac{1}{2} + \frac{1}$	
Depth to water 1/2 ft.; Depth of well 3/2 ft.; Perforation Intervalft.; Casing: Sampling Location, Methods and Remarks (i.e. odors, etc.) AUGENESS HOLE 41 DowNGRADIENT From PIF (JITH RECENTELY LINSTRUE) BELOW GREAT TRUE. Centry that the results in this block accurately reflect the results of my field analyses, observations and introduced of Shipment to the Lab. Here. Samples were preserved as follows: NP: No Preservation; Sample stored at room temperature. NP: No Preserved with Sodium Thiosulfate to remove chlorine residual. CHAIN OF CUSTODY I I certify that this sample was transferred from	Dissolved Oxyger	mg/l; Alkalinity=mg/l; Flow	Kate//
Sampling Location, Methods and Remarks (i.e. odors, etc.) <u>AUGERSO</u> HOCE <u>41</u> DOWNGRADIENT ROM PLT WITH RECENTELY INSTRUCT <u>BELOW GRAAT TANK. & RECOW EXERPCE WAS DECENT. ROM PLT WITH RECENTELY INSTRUCT</u> <u>AUGEREO HOCE 3/2</u> DEEP. I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): <u></u> . <u>Glass Jugs</u> , and/or Method of Shipment to the Lab <u>HandCancer</u> Samples were preserved as follows: <u></u> NP: No Preservation; Sample stored at room temperature. <u></u> P-Ice Sample stored in an ice bath (Not Frozen). <u></u> P-Na_SO_ Sample Preserved with Sodium Thiosulfate to remove chlorine residual. CHAIN OF CUSTODY I certify that this sample was transferred from on to and that the statements in this block are correct. Evidentiary Seals: Not Sealed Seals Intact: Yes No	Depth to water	ft.; Depth of well 3/2_ft.; Perforation	on Intervalft.; Casing:
AUGERSED HOCKE 41' DOWNGRADIENT Ren PLF WITH RECENTERY INSTRUCT BELOW SURFFUL WARE OF HOCK 31/2' OEEP AUGERE OF HOCK 11/2' AUGERE OF HOCK 31/2' OEEP Instruct AUGERE OF HOCK 11/2' AUGERE OF HOCK 11/2' AUGERE OF HOCK 31/2' OEEP Instruct Method of Shipment of the Labit OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PLANE OF PL	Sampling Locatio	on, Methods and Remarks (i.e. odors, etc.)	
BELOW GRANT TRUK. BELOW SURFFATE WAS DK.GRY. STRUED, HA. ONCE SALV DETWING AUGERED HOLE 3/2' DEEP. I certify that the results in this block accurately reflect the results of my field analyses, observations and in activities.(signature collector):	AUGERSO	HOLE 41 DOWNGRADIEN	T ROM PIT WITH RECENTLY WSTREET
AUGENEO Hole 3/2' DEEP. I certify that the results in this block accurately reflect the results of my field analyses, observations and activities.(signature collector): Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Augent Auge	RELOW GRAI	TANK. 6" BELDW SURFACE WAS	DKGRY. STRINED, HP. ODDE SNID DTIN 11/2'
activities.(signature collector):	<i>JUGERED</i> Ho I certify that th	$\sigma \leftarrow 3'/z'$ OEEP. The results in this block accurately reflect the r	results of my field analyses, observations and
This form accompanies 2 Septum Vials, Glass Jugs, and/or Samples were preserved as follows:	activities.(signatu	re collector): O. Coula	Method of Shipment to the Lab. Hand Camero
Samples were preserved as follows: NP: No Preservation; Sample stored at room temperature. P-Ice Sample stored in an ice bath (Not Frozen). P-Na SO Sample Preserved with Sodium Thiosulfate to remove chlorine residual. CHAIN OF CUSTODY I certify that this sample was transferred from to at (location) on and that the statements in this block are correct. Evidentiary Seals: Not Sealed Seals Intact: Yes No	This form accom	npanies Septum Vials, Glass Jug	s, and/or
NP: No Preservation; Sample stored at room temperature. X P-Ice Sample stored in an ice bath (Not Frozen). P-Na_S_O_Sample Preserved with Sodium Thiosulfate to remove chlorine residual. CHAIN OF CUSTODY I certify that this sample was transferred from to at (location) on and that the statements in this block are correct. Evidentiary Seals: Not Sealed Seals Intact: Yes No	Samples were pr	eserved as follows:	
Image: P-Ice Sample stored in an ice bath (Not Frozen). Image: P-Na_2_2_3 Sample Preserved with Sodium Thiosulfate to remove chlorine residual. CHAIN OF CUSTODY Image: Chain of the statements in this block are correct. Evidentiary Seals: Not Sealed in Seals Intact: Yes in No	NP:	No Preservation; Sample stored at room tem	perature.
Image: Classical statements in this block are correct. Evidentiary Seals: Not Sealed I Seals Intact: Yes I No I No Solum Thiosulfate to remove chlorine residual.	<u>X</u> P-Ice	Sample stored in an ice bath (Not Frozen).	
I certify that this sample was transferred from to	$\begin{bmatrix} -1 & r - Na & S & O \\ 2 & 2 & 2 & 3 \\ \hline \mathbf{CHAIN} & \mathbf{OF} & \mathbf{CHV} \end{bmatrix}$	Sample Preserved with Sodium Thiosulfate to) remove chlorine residual.
at (location) to to on and that the statements in this block are correct. Evidentiary Seals: Not Sealed [] Seals Intact: Yes [] No []	Contify that it	sig comple was transformed form	
at (location) on on and that the statements in this block are correct. Evidentiary Seals: Not Sealed 🛄 Seals Intact: Yes 🔲 No 🛄	L CELUILY UILAL LE	as sompte was undesterred from	
the statements in this block are correct. Evidentiary Seals: Not Sealed 🔲 Seals Intact: Yes 🥅 No 📺	at (location)		on/: and that
			t Saplad I Sapla Integet: Vac I No II

ANALYSES PERFORMED

LAB. No.: OR- 1345

THIS PAGE FOR LABORATORY RESULTS ONLY This sample was tested using the analytical screening method(s) checked below: PURGEABLE SCREENS EXTRACTABLE SCREENS (753) Aliphatic Purgeables (1-3 Carbons) (751) Aliphatic Hydrocarbons (754) Aromatic & Halogenated Purgeables (760) Organochlorine Pesticides (765) Mass Spectrometer Purgeables (755) Base/Neutral Extractables (766) Trihalomethanes (758) Herbicides, Chlorophenoxy acid Other Specific Compounds or Classes (759) Herbicides, Triazines [] (760) Organochlorine Pesticides (761) Organophosphate Pesticides (767) Polychlorinated Biphenyls (PCB's) (764) Polynuclear Aromatic Hydrocarbons (762) SDWA Pesticides & Herbicides ANALYTICAL RESULTS COMPOUND(S) DETECTED CONC. COMPOUND(S) DETECTED CONC. [PPB] [PPB] 7/77: ж * DETECTION LIMIT * + DETECTION LIMIT ABBREVIATIONS USED: N D = NONE DETECTED AT OR ABOVE THE STATED DETECTION LIMIT T R = DETECTED AT A LEVEL BELOW THE STATED DETECTION LIMIT (NOT CONFIRMED) [RESULTS IN BRACKETS] ARE UNCONFIRMED AND/OR WITH APPROXIMATE QUANTITATION LABORATORY REMARKS: Sight other Compounds mere detected by The screen that were not identified. 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 on this page accurately reflect the analytical results for this sample. Date(s) of analysis: 26/00+17 Dec & Analyst's signature: 41 - Firmer I certify that I have reviewed and concur/with the analytical results for this sample and with the statements in this block. Reviewers signature: non

New Mexico H SCIENTIFIC I 700 Camino o Albuquerque,	lealth and Environment E ABORATORY DIVISION le Salud NE NM 87106 — (505) 841-25	Department	GE	NERAL V	VATER C OGEN A	HEMI	STRY SIS ₈ 59-6
RECEIVED // 20 86	NO. WC 5399	USER CODE 🗌 59300) 🗆 59600 🕅 от	HER: 82	235		
Collection DATE	SITE INFORM-► ATION	Sample location	NY VALDEZ	RANC	Ħ		
Collected by - Person/Agency		Collection site description	PENNECO VAL	NEZ I			
ENVIRONMI END NM OIL CO INAL State Lai EPORT Santa Fe	ENTAL BUREAU DNSERVATION DIV nd Office Bldg, NM 87504-2088	ISION PO Box 2088	3	Rt 3 1 Bwom	30× 100	? 8?4	2/3
Attn:David_I	Boyer						
Phone: 827-	5812			Station/ well code			
AMPLING CONDITIONS	-			Jwner			
Bailed Pump Dipped Tap	Water level	12.	Discharge		Sample ty AVGE	pe RFD	HOLE
pH (00400)	Conductivity (Uncor	rected) 37 ₀ μmho	Water Temp. (00010) ノソ	4.5 °C	Conductiv	ity at 25°	C (00094) µmho
submitted /	NF: (Non-filtered) Other- <i>specify:</i> Om SAMPLES	<u>- 0.45 μmer</u> ΔΑ:	nbrane filter A: 2 r 5m1 conc. HNO ₃ add	ed 🗆	L added	fuming	g HNO ₃ added
NF, NA	U	nits Date analyzed	I F, NA	~		Units	Date analyzed
 □ Conductivity (Corrected) 25°C (00095) □ Total non-filterable residue (suspended) (00530) □ Other: □ Other: □ Other: □ Other: □ Other: 	μι π	mho ng/l	Calcium (00915) Magnesium (00925) Sodium (00930) Potassium (00935) Bicarbonate (00440) Chloride (00940) Sulfate (00945) Total filterable residue (dissolved) (70300) Other:		10 7.71 1.8 70 8 14 8	mg/I mg/I mg/I mg/I mg/I mg/I mg/I	12-1 12-4 12-4 12-4 12-4 12-4 12-12 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-4 12-2 12-4 12-2 12-4 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2 12-2
□ Nitrate-N + , Nitrate-N			F, A-H₂ SO₄				
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Other: Other: Laboratory remarks			Analyst	Date R	eported 5 S7	Review	ed by
N D 726 (12/84)	<u>pn = 1.02</u>		······				

FOR OCD USE -- Date Owner Notified 3/1/87 Phone or Ketter?)

ECEIVED 1/ 20 86	NO. HM 2354	USER CODE 🗌 5930	io 🗆 59600 💢	OTHER: 8	2235	<u></u>
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		Collection site description	TECHIEDO VA	10Ë D	Ret 1	
NDERSON/BALLEY/	auson/OCD	·		<u> </u>	A#/	***************************************
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AMPLE FIELD TREATME! No. of samples submitted	NT — Check prope NF: Whole sample (Non-filtered)	er boxes F: ^{Filtered} in 0.45 μme	n field with	2 ml H₂SO₄	/L added	
AMPLE FIELD TREATMENT No. of samples submitted / Image: No. acid added	NT — Check prope NF: Whole sample (Non-filtered) Other-specify:	er boxes F: Filtered in 0.45 μme	n field with ombrane filter 5m1 conc. HNO ₃ a	2 ml H₂SO₄ dded ⊅	/Ladded A: 4ml fumir	ng HNO ₃ add
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MPLE FIELD TREATMEN No. of samples submitted NA: No acid added ALYTICAL RESULTS fro NF, NA Conductivity (Corrected) 25°C (00095) Total non-filterable residue (suspended) (00530) Other: Other: Other:	NT — Check prope NF: Whole sample (Non-filtered) Other-specify: m SAMPLES	er boxes F: Filtered in 0.45 μme I A: Units Date analyze μmho mg/l	a field with ambrane filter 5m1 conc. HNO ₃ a 5m1 conc. HNO ₃ a cd F, NA Calcium (00915) Magnesium (00925) Sodium (00930) Potassium (00935) Bicarbonate (00444) Chloride (00940) Sulfate (00945) Total filterable residu (dissolved) (70300) Other:	2 ml H₂SO₄ dded →	/Ladded A: 4ml fumin Units mg/l mg/l mg/l mg/l mg/l mg/l	ng HNO ₃ add Date analyze
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ICAP	SCAN

SLD Lab No	HM 2354
Analyst	}
Date Analyze	a 12/10/86

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Laly Reviewed by:_ 12/10/86 Date Reported:

ELEMENT

ICAP VALUE(mg/l) AA VALUE(mg/l)

Aluminum	<0.1	
Barium	0.7	
Beryllium	. 02	
Boron	0.1	· · · · · · · · · · · · · · · · · · ·
Cadmium	40.1	
Calcium	110.	
Chromium	40.1	
Cobalt	<0.1	
Copper	40.(
Iron	0.1	
Lead	<0.1	
Magnesium	12.	<u></u>
Manganese	3.4	
Molybdenum	<0.1	
Nickel	<d. < td=""><td></td></d. <>	
Silicon	5.7	
Silver	×0.1	
Strontium	2.1	
Tin	<0.1	
Vanadium	<0,1	
Zinc	<0.1	
Arsenic		
Selenium		
Mercury		