

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: **WOODWARD CLYDE CONSULTANTS-LITTLE ROCK**
 900 SOUTH SHACKLEFORD
 SUITE 412
 LITTLE ROCK, AR 72211

Client ID: **MW-15** Project ID: **EL DORADO CHEMICAL**

SWLO ID: **24931.03** Report: **24931.03**

Collected: 03/13/1996 Report Date: 03/27/1996 Page: 1
 Received: 03/14/1996 Last Modified: Matrix: Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	34.5	03/14/96	SW 9056
SULFATE		0.2	mg/l	4.4	03/14/96	SW 9056
*** METALS ***						
CHROMIUM		5.0	ug/l	ND	03/19/96	SW 6010
LEAD		2.0	ug/l	ND	03/22/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 \ = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK
900 SOUTH SHACKLEFORD
SUITE 412
LITTLE ROCK, AR 72211

Client ID: MW-15-F

Project ID: EL DORADO CHEMICAL

SWLO ID: 24931.19

Report: 24931.19

Collected: 03/13/1996

Report Date: 03/27/1996

Page: 1

Received: 03/14/1996

Last Modified:

Matrix: Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
CHROMIUM		5.0	ug/l	ND	03/19/96	SW 6010
LEAD		2.0	ug/l	ND	03/21/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
= UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

A = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID: MW-17	Project ID: EL DORADO CHEMICAL		
SWLO ID: 24931.01	Report: 24931.01		
Collected: 03/13/1996	Report Date: 03/27/1996	Page: 1	
Received: 03/14/1996	Last Modified:	Matrix: Water	

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	45.0	03/14/96	SW 9056
SULFATE		2.0	mg/l	145	03/15/96	SW 9056
*** METALS ***						
CHROMIUM		5.0	ug/l	ND	03/19/96	SW 6010
LEAD		2.0	ug/l	ND	03/21/96	SW 7421

D = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 T = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 A = NOT APPLICABLE
 Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

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 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
 SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID: MW-17-F	Project ID: EL DORADO CHEMICAL		
SWLO ID: 24931.17	Report: 24931.17		
Collected: 03/13/1996	Report Date: 03/27/1996	Page: 1	
Received: 03/14/1996	Last Modified:	Matrix: Water	

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
CHROMIUM		5.0	ug/l	ND	03/19/96	SW 6010
LEAD		2.0	ug/l	ND	03/21/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 : = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 NA = NOT APPLICABLE
 Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

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 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
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SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: **WOODWARD CLYDE CONSULTANTS-LITTLE ROCK**
 900 SOUTH SHACKLEFORD
 SUITE 412
 LITTLE ROCK, AR 72211

Client ID: **MW-18** Project ID: **EL DORADO CHEMICAL**

SWLO ID: **24948.14** Report: **24948.14**

Collected: **03/14/1996** Report Date: **03/27/1996** Page: **1**
 Received: **03/15/1996** Last Modified: Matrix: **Water**

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	0.4	03/15/96	SW 9056
SULFATE		0.2	mg/l	3.3	03/15/96	SW 9056
*** METALS ***						
CHROMIUM		5.0	ug/l	19.4	03/26/96	SW 6010
LEAD		2.0	ug/l	17.0	03/22/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 \ = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

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 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK
900 SOUTH SHACKLEFORD
SUITE 412
LITTLE ROCK, AR 72211

Client ID: MW-18-F

Project ID: EL DORADO CHEMICAL

SWLO ID: 24948.24

Report: 24948.24

Collected: 03/14/1996

Report Date: 03/27/1996

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Received: 03/15/1996

Last Modified:

Matrix: Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
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*** METALS ***

CHROMIUM		5.0	ug/l	ND	03/27/96	SW 6010
LEAD		2.0	ug/l	ND	03/21/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

= UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

A = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

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D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK 900 SOUTH SHACKLEFORD SUITE 412 LITTLE ROCK, AR 72211			
Client ID: FIELD BLANK	Project ID: EL DORADO CHEMICAL		
SWLO ID: 24948.15	Report: 24948.15		
Collected: 03/14/1996	Report Date: 03/27/1996	Page: 1	
Received: 03/15/1996	Last Modified:	Matrix: Water	

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	ND	03/15/96	SW 9056
SULFATE		0.2	mg/l	ND	03/15/96	SW 9056
*** METALS ***						
CHROMIUM		5.0	ug/l	ND	03/26/96	SW 6010
LEAD		2.0	ug/l	ND	03/21/96	SW 7421

D = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 A = NOT APPLICABLE
 methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

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 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
 SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID:	FIELD BLANK-F	Project ID:	EL DORADO CHEMICAL
SWLO ID:	24948.25	Report:	24948.25
Collected:	03/14/1996	Report Date:	03/27/1996
Received:	03/15/1996	Last Modified:	
		Page:	1
		Matrix:	Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
CHROMIUM		5.0	ug/l	ND	03/27/96	SW 6010
LEAD		2.0	ug/l	ND	03/21/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
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 = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
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 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID:	FIELD BLANK	Project ID:	EL DORADO CHEMICAL
SWLO ID:	24931.16	Report:	24931.16
Collected:	03/13/1996	Report Date:	03/27/1996
Received:	03/14/1996	Last Modified:	
		Page:	1
		Matrix:	Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	0.2	03/14/96	SW 9056
SULFATE		0.2	mg/l	ND	03/14/96	SW 9056
*** METALS ***						
CHROMIUM		5.0	ug/l	ND	03/19/96	SW 6010
LEAD		2.0	ug/l	ND	03/21/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 A = NOT APPLICABLE

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SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK 900 SOUTH SHACKLEFORD SUITE 412 LITTLE ROCK, AR 72211			
Client ID: FIELD BLANK-F	Project ID: EL DORADO CHEMICAL		
SWLO ID: 24931.32	Report: 24931.32		
Collected: 03/13/1996	Report Date: 03/27/1996	Page: 1	
Received: 03/14/1996	Last Modified:	Matrix: Water	

TEST	DATE	DETECTION			DATE	METHOD
	EXTRACTED	LIMIT	UNITS	RESULTS	ANALYZED	REFERENCE
*** METALS ***						
CHROMIUM		5.0	ug/l	ND	03/19/96	SW 6010
LEAD		2.0	ug/l	ND	03/21/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 R = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 .A = NOT APPLICABLE
 Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
 SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK
900 SOUTH SHACKLEFORD
SUITE 412
LITTLE ROCK, AR 72211

Client ID: BLIND DUP

Project ID: EL DORADO CHEMICAL

SWLO ID: 24931.15

Report: 24931.15

Collected: 03/13/1996
Received: 03/14/1996

Report Date: 03/27/1996
Last Modified:

Page: 1
Matrix: Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		2.0	mg/l	144	03/15/96	SW 9056
SULFATE		0.2	mg/l	4.7	03/14/96	SW 9056
*** METALS ***						
CHROMIUM		5.0	ug/l	ND	03/19/96	SW 6010
LEAD		2.0	ug/l	4.0	03/21/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
= UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
A = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
EPA = #EPA600/4-79-020, MARCH 1985

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D = SURROGATES DILUTED OUT
J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK
 900 SOUTH SHACKLEFORD
 SUITE 412
 LITTLE ROCK, AR 72211

Client ID: BLIND DUP-F Project ID: EL DORADO CHEMICAL

SWLO ID: 24931.31 Report: 24931.31

Collected: 03/13/1996 Report Date: 03/27/1996 Page: 1
 Received: 03/14/1996 Last Modified: Matrix: Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
CHROMIUM		5.0	ug/l	ND	03/19/96	SW 6010
LEAD		2.0	ug/l	3.4	03/21/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

\ = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

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D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID:	MW-B	Project ID:	EL DORADO CHEMICAL
SWLO ID:	25306.01	Report:	25306.01
Collected:	04/17/1996	Report Date:	05/03/1996
Received:	04/18/1996	Last Modified:	05/02/1996
		Page:	1
		Matrix:	Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	1.4	04/18/96	SW 9056
SULFATE		2.0	mg/l	125	04/26/96	SW 9056
*** METALS ***						
CHROMIUM		5	ug/l	55.9	04/23/96	SW 6010
LEAD		2.0	ug/l	33.7	04/30/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 NA = NOT APPLICABLE
 Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

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 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
 SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID: MW-B	Project ID: EL DORADO CHEMICAL		
SWLO ID: 25306.02 MS	Report: 25306.02		
Collected: 04/17/1996	Report Date: 05/03/1996	Page: 1	
Received: 04/18/1996	Last Modified: 05/02/1996	Matrix: Water	

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	19.4	04/18/96	SW 9056
SULFATE		2.0	mg/l	310	04/26/96	SW 9056
*** METALS ***						
CHROMIUM		4.0	ug/l	280	04/23/96	SW 6010
LEAD		2.0	ug/l	47.0	04/30/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 A = NOT APPLICABLE
 Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

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 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
 SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK
 900 SOUTH SHACKLEFORD
 SUITE 412
 LITTLE ROCK, AR 72211

Client ID: MW-B Project ID: EL DORADO CHEMICAL

SWLO ID: 25306.03 MSD Report: 25306.03

Collected: 04/17/1996 Report Date: 05/03/1996 Page: 1
 Received: 04/18/1996 Last Modified: 05/02/1996 Matrix: Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	24.9	04/18/96	SW 9056
SULFATE		2.0	mg/l	319	04/26/96	SW 9056
*** METALS ***						
CHROMIUM		5	ug/l	266	04/23/96	SW 6010
LEAD		2.0	ug/l	45.5	04/30/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 A = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK
900 SOUTH SHACKLEFORD
SUITE 412
LITTLE ROCK, AR 72211

Client ID: MW-B-F

Project ID: EL DORADO CHEMICAL

SWLO ID: 25306.10

Report: 25306.10

Collected: 04/17/1996

Report Date: 05/03/1996

Page: 1

Received: 04/18/1996

Last Modified: 05/02/1996

Matrix: Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
		*** METALS ***				
CHROMIUM		5	ug/l	5.4	04/23/96	SW 6010
LEAD		2.0	ug/l	7.0	04/30/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
= UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

A = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

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D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK
900 SOUTH SHACKLEFORD
SUITE 412
LITTLE ROCK, AR 72211

Client ID: MW-B-F

Project ID: EL DORADO CHEMICAL

SWLO ID: 25306.11 MS

Report: 25306.11

Collected: 04/17/1996

Report Date: 05/03/1996

Page: 1

Received: 04/18/1996

Last Modified: 05/02/1996

Matrix: Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
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*** METALS ***

CHROMIUM		5	ug/l	197	04/23/96	SW 6010
LEAD		2.0	ug/l	22.7	04/30/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

IA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK
900 SOUTH SHACKLEFORD
SUITE 412
LITTLE ROCK, AR 72211

Client ID: MW-B-F Project ID: EL DORADO CHEMICAL

SWLO ID: 25306.12 MSD Report: 25306.12

Collected: 04/17/1996 Report Date: 05/03/1996 Page: 1
Received: 04/18/1996 Last Modified: 05/02/1996 Matrix: Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
CHROMIUM		5	ug/l	194	04/23/96	SW 6010
LEAD		2.0	ug/l	23.7	04/30/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

= UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

A = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID: MW-1	Project ID: EL DORADO CHEMICAL		
SWLO ID: 25306.04	Report: 25306.04		
Collected: 04/17/1996	Report Date: 05/03/1996	Page: 1	
Received: 04/18/1996	Last Modified:	Matrix: Water	

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	4.8	04/18/96	SW 9056
SULFATE		2.0	mg/l	349	04/26/96	SW 9056
*** METALS ***						
CHROMIUM		5	ug/l	82.4	04/23/96	SW 6010
LEAD		2.0	ug/l	32.8	04/25/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 NA = NOT APPLICABLE
 Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
 SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK
900 SOUTH SHACKLEFORD
SUITE 412
LITTLE ROCK, AR 72211

Client ID: MW-1-F

Project ID: EL DORADO CHEMICAL

SWLO ID: 25306.13

Report: 25306.13

Collected: 04/17/1996

Report Date: 05/03/1996

Page: 1

Received: 04/18/1996

Last Modified:

Matrix: Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
CHROMIUM		5	ug/l	ND	04/23/96	SW 6010
LEAD		2.0	ug/l	ND	04/25/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

= UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

IA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID: MW-2	Project ID: EL DORADO CHEMICAL		
SWLO ID: 25306.05	Report: 25306.05		
Collected: 04/17/1996	Report Date: 05/03/1996	Page: 1	
Received: 04/18/1996	Last Modified:	Matrix: Water	

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	ND	04/18/96	SW 9056
SULFATE		20.0	mg/l	777	04/26/96	SW 9056
*** METALS ***						
CHROMIUM		5	ug/l	19.8	04/23/96	SW 6010
LEAD		2.0	ug/l	10.0	04/25/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 : = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 NA = NOT APPLICABLE
 Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
 SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID: MW-2-F	Project ID: EL DORADO CHEMICAL		
SWLO ID: 25306.14	Report: 25306.14		
Collected: 04/17/1996	Report Date: 05/03/1996	Page: 1	
Received: 04/18/1996	Last Modified:	Matrix: Water	

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
CHROMIUM		5	ug/l	ND	04/23/96	SW 6010
LEAD		2.0	ug/l	ND	04/25/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 A = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID: MW-3	Project ID: EL DORADO CHEMICAL		
SWLO ID: 25306.06	Report: 25306.06		
Collected: 04/17/1996	Report Date: 05/03/1996	Page: 1	
Received: 04/18/1996	Last Modified:	Matrix: Water	

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	ND	04/18/96	SW 9056
SULFATE		2.0	mg/l	211	04/26/96	SW 9056
*** METALS ***						
CHROMIUM		5	ug/l	ND	04/23/96	SW 6010
LEAD		2.0	ug/l	2.8	04/25/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 A = NOT APPLICABLE
 Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
 SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK
900 SOUTH SHACKLEFORD
SUITE 412
LITTLE ROCK, AR 72211

Client ID: MW-3-F

Project ID: EL DORADO CHEMICAL

SWLO ID: 25306.15

Report: 25306.15

Collected: 04/17/1996

Report Date: 05/03/1996

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Received: 04/18/1996

Last Modified:

Matrix: Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
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*** METALS ***

CHROMIUM		5	ug/l	ND	04/23/96	SW 6010
LEAD		2.0	ug/l	ND	04/25/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

IA = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID:	FIELD BLANK	Project ID:	EL DORADO CHEMICAL
SWLO ID:	25306.07	Report:	25306.07
Collected:	04/17/1996	Report Date:	05/03/1996
Received:	04/18/1996	Last Modified:	
		Page:	1
		Matrix:	Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	0.3	04/18/96	SW 9056
SULFATE		0.2	mg/l	0.4	04/18/96	SW 9056
*** METALS ***						
CHROMIUM		5	ug/l	ND	04/23/96	SW 6010
LEAD		2.0	ug/l	ND	04/25/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 /A = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID:	FIELD BLANK-F	Project ID:	EL DORADO CHEMICAL
SWLO ID:	25306.16	Report:	25306.16
Collected:	04/17/1996	Report Date:	05/03/1996
Received:	04/18/1996	Last Modified:	
		Page:	1
		Matrix:	Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
CHROMIUM		5	ug/l	ND	04/23/96	SW 6010
LEAD		2.0	ug/l	ND	04/25/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 : = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 IA = NOT APPLICABLE
 Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
 SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK 900 SOUTH SHACKLEFORD SUITE 412 LITTLE ROCK, AR 72211			
Client ID: BLIND DUP	Project ID: EL DORADO CHEMICAL		
SWLO ID: 25306.08	Report: 25306.08		
Collected: 04/17/1996	Report Date: 05/03/1996	Page: 1	
Received: 04/18/1996	Last Modified:	Matrix: Water	

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** INORGANICS ***						
NITRATE		0.2	mg/l	ND	04/18/96	SW 9056
SULFATE		2.0	mg/l	345	04/26/96	SW 9056
*** METALS ***						
CHROMIUM		5	ug/l	102	04/23/96	SW 6010
LEAD		2.0	ug/l	34.8	04/25/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT

B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE

= UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE

A = NOT APPLICABLE

Methodology: SM = STANDARD METHODS, 16th EDITION, 1985

EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS

D = SURROGATES DILUTED OUT

J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION

SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986

SOUTHWEST LABORATORY OF OKLAHOMA, INC.

1700 W. ALBANY SUITE C BROKEN ARROW, OK 74012-1421 (918) 251-2858

Client Name: WOODWARD CLYDE CONSULTANTS-LITTLE ROCK			
900 SOUTH SHACKLEFORD			
SUITE 412			
LITTLE ROCK, AR 72211			
Client ID:	BLIND DUP-F	Project ID:	EL DORADO CHEMICAL
SWLO ID:	25306.17	Report:	25306.17
Collected:	04/17/1996	Report Date:	05/03/1996
Received:	04/18/1996	Last Modified:	
		Page:	1
		Matrix:	Water

TEST	DATE EXTRACTED	DETECTION LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
*** METALS ***						
CHROMIUM		5	ug/l	ND	04/23/96	SW 6010
LEAD		2.0	ug/l	ND	04/25/96	SW 7421

ND = NOT DETECTED ABOVE QUANTITATION LIMIT
 B = ANALYTE DETECTED IN BLANK AS WELL AS SAMPLE
 I = UNABLE TO QUANTITATE DUE TO MATRIX INTERFERENCE
 IA = NOT APPLICABLE
 Methodology: SM = STANDARD METHODS, 16th EDITION, 1985
 EPA = #EPA600/4-79-020, MARCH 1985

* = SURROGATE RECOVERY OUTSIDE OF QC LIMITS
 D = SURROGATES DILUTED OUT
 J = ESTIMATED VALUE: CONCENTRATION BELOW LIMIT OF QUANTITATION
 SW = EPA METHODOLOGY, "#SW846", THIRD EDITION, NOVEMBER 1986