





WESTON-GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones: (312) 534-5200 (219) 885-7077 (815) 723-7533

Weston/Gulf Coast  
Kerr-McGee Project  
RFW# 8911G264  
Wet Chemistry Unit

#### Case Narrative

The total cyanide was analyzed in the Wet Chemistry Unit by SW846 Method 9010. All quality control was within acceptance criteria.

The detection limits of the samples vary with the volume of sample used for analysis. Generally, less sample is used per analysis when a sample is used as a duplicate, matrix spike or a dilution is necessary. This in turn will raise the detection limit proportionately.

Roy F. Weston, Inc. - Gulf Coast Laboratories  
 INORGANIC ANALYTICAL DATA PACKAGE FOR  
 KERR-MCGEE

DATE RECEIVED: 11/29/89

RFW LOT # :8911G264

<u>CLIENT ID /ANALYSIS</u>	<u>RFW #</u>	<u>MTX</u>	<u>PREP #</u>	<u>COLLECTION</u>	<u>EXTR/PREP</u>	<u>ANALYSIS</u>
MW-B1						
TOTAL CYANIDE	001	W	89GCN156	11/27/89	11/29/89	11/30/89
MW-B2						
TOTAL CYANIDE	002	W	89GCN156	11/27/89	11/29/89	11/30/89
MW-B3						
TOTAL CYANIDE	003	W	89GCN156	11/27/89	11/29/89	11/30/89
TOTAL CYANIDE	003 REP	W	89GCN156	11/27/89	11/29/89	11/30/89
MW-B4						
TOTAL CYANIDE	004	W	89GCN156	11/28/89	11/29/89	11/30/89
TOTAL CYANIDE	004 MS	W	89GCN156	11/28/89	11/29/89	11/30/89
MW-B5						
TOTAL CYANIDE	005	W	89GCN156	11/27/89	11/29/89	11/30/89
MW-B6						
TOTAL CYANIDE	006	W	89GCN156	11/28/89	11/29/89	11/30/89
MW-B7						
TOTAL CYANIDE	007	W	89GCN156	11/27/89	11/29/89	11/30/89
MW-B8						
TOTAL CYANIDE	008	W	89GCN156	11/27/89	11/29/89	11/30/89
MW-B9						
TOTAL CYANIDE	009	W	89GCN156	11/28/89	11/29/89	11/30/89
MW-B10						
TOTAL CYANIDE	010	W	89GCN156	11/28/89	11/29/89	11/30/89

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 KERR-MCGEE

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RFW LOT # :8911G264

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
MW-B11						
TOTAL CYANIDE	011	W	89GCN156	11/28/89	11/29/89	11/30/89
MW-B12						
TOTAL CYANIDE	012	W	89GCN156	11/28/89	11/29/89	11/30/89
MW-B13						
TOTAL CYANIDE	013	W	89GCN156	11/28/89	11/29/89	11/30/89
MW-BC14						
TOTAL CYANIDE	014	W	89GCN156	11/28/89	11/29/89	11/30/89
MW-BC14 Dup						
TOTAL CYANIDE	015	W	89GCN156	11/28/89	11/29/89	11/30/89
MW-BC15						
TOTAL CYANIDE	016	W	89GCN156	11/28/89	11/29/89	11/30/89
MW-BC16						
TOTAL CYANIDE	017	W	89GCN156	11/28/89	11/29/89	11/30/89
MW-FB						
TOTAL CYANIDE	018	W	89GCN156	11/28/89	11/29/89	11/30/89

LAB QC:

TOTAL CYANIDE	LC1 BS	W	89GCN156	N/A	11/29/89	11/30/89
TOTAL CYANIDE	LC2 BS	W	89GCN156	N/A	11/29/89	11/30/89
TOTAL CYANIDE	MB1	W	89GCN156	N/A	11/29/89	11/30/89

### DATA QUALIFIERS

- u - Indicates an inorganic compound was analyzed for but not detected.
- U - Indicates an organic compound was analyzed for but not detected.
- J - Indicates an estimated value for either a TIC or an analyte that meets the identification criteria but the result is less than the specified detection limit.
- B - Indicates the compound was found in the blank and the sample.
- E - Concentrations exceed calibration range of the instrument.
- BS - Indicates matrix analyses were conducted on reagent grade water.
- BSD - Blank Spike Duplicate
- BDL - Below Detection Limit
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- D - Indicates that surrogate/matrix spike recoveries were not obtained because the extract had to be diluted for analysis.
- DL - Indicates a secondary dilution
- NA - Not Applicable
- DF - Dilution factor

Revised 06/16/89



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ANALYTICAL REPORT

To: Kerr-McGee  
Roy F. Weston, Incorporated  
100 Corporate North, Suite 101  
Bannockburn, IL 60015

Date: Friday December 1st, 1989

RE: MW-B1  
Project # 2687-06-01-0000  
Lab ID: 8911G264-001  
Sample Date: 11/27/89  
Date Received: 11/29/89

Attn: Mr. Kurt Stimpson

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
Cyanide, Total	0.010	u mg/L	0.010





WESTON-GULF COAST LABORATORIES, INC.  
2417 Bond St., University Park, Illinois 60466  
Phones: (312) 534-5200 (219) 865-7077 (815) 723-7533

ANALYTICAL REPORT

To: Kerr-McGee  
Roy F. Weston, Incorporated  
100 Corporate North, Suite 101  
Bannockburn, IL 60015

Date: Friday December 1st, 1989

RE: MW-B3  
Project # 2687-06-01-0000  
Lab ID: 8911G264-003  
Sample Date: 11/27/89  
Date Received: 11/29/89

Attn: Mr. Kurt Stimpson

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
Cyanide, Total	0.020	u mg/L	0.020











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To: Kerr-McGee  
Roy F. Weston, Incorporated  
100 Corporate North, Suite 101  
Bannockburn, IL 60015

Date: Friday December 1st, 1989

RE: MW-B7  
Project # 2687-06-01-0000  
Lab ID: 8911G264-007  
Sample Date: 11/27/89  
Date Received: 11/29/89

Attn: Mr. Kurt Stimpson

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
Cyanide, Total	0.010	u mg/L	0.010





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To: Kerr-McGee  
Roy F. Weston, Incorporated  
100 Corporate North, Suite 101  
Bannockburn, IL 60015

Date: Friday December 1st, 1989

RE: MW-89  
Project # 2687-06-01-0000  
Lab ID: 8911G264-009  
Sample Date: 11/28/89  
Date Received: 11/29/89

Attn: Mr. Kurt Stimpson

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
Cyanide, Total	0.010	u mg/L	0.010



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To: Kerr-McGee  
Roy F. Weston, Incorporated  
100 Corporate North, Suite 101  
Bannockburn, IL 60015

Date: Friday December 1st, 1989

Attn: Mr. Kurt Stimpson

RE: MW-B10  
Project # 2687-06-01-0000  
Lab ID: 8911G264 J10  
Sample Date: 11/28/89  
Date Received: 11/29/89

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
Cyanide, Total	0.010	u mg/L	0.010







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To: Kerr-McGee  
Roy F. Weston, Incorporated  
100 Corporate North, Suite 101  
Bannockburn, IL 60015

Date: Friday December 1st, 1989

RE: MW-B12  
Project # 2687-06-01-0000  
Lab ID: 8911G264-012  
Sample Date: 11/28/89  
Date Received: 11/29/89

Attn: Mr. Kurt Stimpson

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
Cyanide, Total	0.010	u mg/L	0.010





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To: Kerr-McGee  
Roy F. Weston, Incorporated  
100 Corporate North, Suite 101  
Bannockburn, IL 60015

Date: Friday December 1st, 1989

RE: MW-BC14  
Project # 2687-06-01-0000  
Lab ID: 8911G264-014  
Sample Date: 11/28/89  
Date Received: 11/29/89

Attn: Mr. Kurt Stimpson

Inorganic Client Data Report

Parameters	Result	Units	Reporting Limit
Cyanide, Total	0.010	u mg/L	0.010







