

ENTERED

ANALYTICAL RESULTS
FOR
U.S. GEOLOGICAL SURVEY
ENSECO-RMAL NO. 013980



APRIL 4, 1991

Reviewed by:

Susan Wyatt for

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KAFB1117



Introduction

This report presents the analytical results as well as supporting information to aid in the evaluation and interpretation of the data and is arranged in the following order:

- o Sample Description Information
- o Analytical Test Requests
- o Analytical Results
- o Quality Control Report

The analysis of samples 013980-0001 and -0002 shows hexavalent chromium higher than total chromium. This may be due to matrix interferences during the hexavalent method as both samples were highly colored.

Sample Description Information

The Sample Description Information lists all of the samples received in this project together with the internal laboratory identification number assigned for each sample. Each project received at Enseco - RMAL is assigned a unique six digit number. Samples within the project are numbered sequentially. The laboratory identification number is a combination of the six digit project code and the sample sequence number.

Also given in the Sample Description Information is the Sample Type (matrix), Date of Sampling (if known) and Date of Receipt at the laboratory.

Analytical Test Requests

The Analytical Test Requests lists the analyses that were performed on each sample. The Custom Test column indicates where tests have been modified to conform to the specific requirements of this project.

SAMPLE DESCRIPTION INFORMATION
for
U.S. Geological Survey

Lab ID	Client ID	Matrix	Sampled		Received Date
			Date	Time	
013980-0001-SA	KAFB010708-2	AQUEOUS	12 MAR 91	13:05	13 MAR 91
013980-0002-SA	KAFB010709-2	AQUEOUS	12 MAR 91	13:05	13 MAR 91
013980-0003-SA	KAFB010710-2	AQUEOUS	12 MAR 91	14:25	13 MAR 91

ANALYTICAL TEST REQUESTS
for
U.S. Geological Survey

Lab ID: 013980	Group Code	Analysis Description	Custom Test?
0001 - 0003	A	Chromium, Furnace AA	N
		Chromium, Furnace AA (Total)	N
		Prep - Total Metals, ICP	N
		Chromium VI (Dissolved)	N
		Chromium VI (Total)	N
		Nitrate Plus Nitrite	N
		Total Organic Halogen (TOX)	N
		Total Organic Carbon (TOC)	N

Analytical Results

The analytical results for this project are presented in the following data tables. Each data table includes sample identification information, and when available and appropriate, dates sampled, received, authorized, prepared and analyzed. The authorization data is the date when the project was defined by the client such that laboratory work could begin.

Data sheets contain a listing of the parameters measured in each test, the analytical results and the Enseco reporting limit. Reporting limits are adjusted to reflect dilution of the sample, when appropriate. Solid and waste samples are reported on an "as received" basis, i.e. no correction is made for moisture content.

Enseco-RMAL is no longer routinely blank-correcting analytical data. Uncorrected analytical results are reported, along with associated blank results, for all organic and metals analyses. Analytical results and blank results are reported for conventional inorganic parameters as specified in the method. This policy is described in detail in the Enseco Incorporated Quality Assurance Program Plan for Environmental Chemical Monitoring, Revision 3.3, May, 1989.

The results from the Standard Enseco QA/QC Program, which generates data which are independent of matrix effects, is provided subsequently.

Metals**Total Metals**

Client Name: U.S. Geological Survey
Client ID: KAFB010708-2
Lab ID: 013980-0001-SA
Matrix: AQUEOUS
Authorized: 13 MAR 91

Sampled: 12 MAR 91
Prepared: See Below

Received: 13 MAR 91
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chromium (VI)	0.020	mg/L	0.010	7196	NA	13 MAR 91
Chromium	0.011	mg/L	0.0010	7191	19 MAR 91	01 APR 91

ND = Not detected
NA = Not applicable

Reported By: David Patterson

Approved By: Dave Roberts

Metals**Total Metals**

Client Name: U.S. Geological Survey

Client ID: KAFB010709-2

Lab ID: 013980-0002-SA

Matrix: AQUEOUS

Authorized: 13 MAR 91

Sampled: 12 MAR 91

Prepared: See Below

Received: 13 MAR 91

Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chromium (VI)	0.024	mg/L	0.010	7196	NA	13 MAR 91
Chromium	0.0092	mg/L	0.0010	7191	19 MAR 91	01 APR 91

ND = Not detected
NA = Not applicable

Reported By: David Patterson

Approved By: Dave Roberts

Metals**Total Metals**

Client Name: U.S. Geological Survey

Client ID: KAFB010710-2

Lab ID: 013980-0003-SA

Matrix: AQUEOUS

Authorized: 13 MAR 91

Sampled: 12 MAR 91

Prepared: See Below

Received: 13 MAR 91

Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chromium (VI)	ND	mg/L	0.010	7196	NA	13 MAR 91
Chromium	ND	mg/L	0.0010	7191	19 MAR 91	01 APR 91

ND = Not detected
NA = Not applicable

Reported By: David Patterson

Approved By: Dave Roberts

Metals**Dissolved Metals**

Client Name: U.S. Geological Survey

Client ID: KAFB010708-2

Lab ID: 013980-0001-SA

Matrix: AQUEOUS

Authorized: 13 MAR 91

Sampled: 12 MAR 91

Prepared: See Below

Received: 13 MAR 91

Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chromium (VI)	0.011	mg/L	0.010	7196	NA	13 MAR 91
Chromium	ND	mg/L	0.0010	7191	NA	01 APR 91

ND = Not detected
NA = Not applicable

Reported By: David Patterson

Approved By: Dave Roberts

Metals**Dissolved Metals**

Client Name: U.S. Geological Survey
Client ID: KAFB010709-2
Lab ID: 013980-0002-SA
Matrix: AQUEOUS
Authorized: 13 MAR 91

Sampled: 12 MAR 91
Prepared: See Below

Received: 13 MAR 91
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chromium (VI)	0.016	mg/L	0.010	7196	NA	13 MAR 91
Chromium	ND	mg/L	0.0010	7191	NA	01 APR 91

ND = Not detected
NA = Not applicable

Reported By: David Patterson

Approved By: Dave Roberts

Metals**Dissolved Metals**

Client Name: U.S. Geological Survey
Client ID: KAFB010710-2
Lab ID: 013980-0003-SA
Matrix: AQUEOUS
Authorized: 13 MAR 91

Sampled: 12 MAR 91
Prepared: See Below

Received: 13 MAR 91
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chromium (VI)	ND	mg/L	0.010	7196	NA	13 MAR 91
Chromium	ND	mg/L	0.0020	7191	NA	01 APR 91

ND = Not detected
NA = Not applicable

Reported By: David Patterson

Approved By: Dave Roberts

General Inorganics



Client Name: U.S. Geological Survey
Client ID: KAFB010708-2
Lab ID: 013980-0001-SA
Matrix: AQUEOUS
Authorized: 13 MAR 91

Sampled: 12 MAR 91
Prepared: See Below

Received: 13 MAR 91
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Nitrate plus Nitrite	ND	mg/L	0.10	353.2	NA	28 MAR 91
Total Organic Carbon	ND	mg/L	0.50	9060	NA	21 MAR 91
Total Organic Halogen as Cl	ND	ug/L	30.0	9020	NA	21 MAR 91

ND = Not detected
NA = Not applicable

Reported By: Dan Appelhans

Approved By: Will Pratt

General Inorganics



Client Name: U.S. Geological Survey
Client ID: KAFB010709-2
Lab ID: 013980-0002-SA
Matrix: AQUEOUS
Authorized: 13 MAR 91

Sampled: 12 MAR 91
Prepared: See Below

Received: 13 MAR 91
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Nitrate plus Nitrite	ND	mg/L	0.10	353.2	NA	28 MAR 91
Total Organic Carbon	ND	mg/L	0.50	9060	NA	21 MAR 91
Total Organic Halogen as Cl	ND	ug/L	30.0	9020	NA	21 MAR 91

ND = Not detected
NA = Not applicable

Reported By: Dan Appelhans

Approved By: Will Pratt

General Inorganics



Client Name: U.S. Geological Survey
Client ID: KAFB010710-2
Lab ID: 013980-0003-SA
Matrix: AQUEOUS
Authorized: 13 MAR 91

Sampled: 12 MAR 91
Prepared: See Below

Received: 13 MAR 91
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Nitrate plus Nitrite	ND	mg/L	0.10	353.2	NA	28 MAR 91
Total Organic Carbon	ND	mg/L	0.50	9060	NA	21 MAR 91
Total Organic Halogen as Cl	ND	ug/L	30.0	9020	NA	21 MAR 91

ND = Not detected
NA = Not applicable

Reported By: Dan Appelhans

Approved By: Will Pratt

Quality Control Results

The Enseco laboratories operate under a vigorous QA/QC program designed to ensure the generation of scientifically valid, legally defensible data by monitoring every aspect of laboratory operations. Routine QA/QC procedures include the use of approved methodologies, independent verification of analytical standards, use of duplicate Laboratory Control Samples to assess the precision and accuracy of the methodology on a routine basis, and a rigorous system of data review.

In addition, the Enseco laboratories maintain a comprehensive set of certifications from both state and federal governmental agencies which require frequent analyses of blind audit samples. Enseco - Rocky Mountain Analytical Laboratory is certified by the EPA under the EPA/CLP program for both Organic and Inorganic analyses, under the USATHAMA (U.S. Army) program, by the Army Corps of Engineers, and the states of Colorado, New Jersey, New York, Utah, and Florida, among others.

The standard laboratory QC package is designed to:

- 1) establish a strong, cost-effective QC program that ensures the generation of scientifically valid, legally defensible data
- 2) assess the laboratory's performance of the analytical method using control limits generated with a well-defined matrix
- 3) establish clear-cut guidelines for acceptability of analytical data so that QC decisions can be made immediately at the bench, and
- 4) provide a standard set of reportables which assures the client of the quality of his data.

The Enseco QC program is based upon monitoring the precision and accuracy of an analytical method by analyzing a set of Duplicate Control Samples (DCS) at frequent, well-defined intervals. Each DCS is a well-characterized matrix which is spiked with target compounds at 5-100 times the reporting limit, depending upon the methodology being monitored. The purpose of the DCS is not to duplicate the sample matrix, but rather to provide an interference-free, homogeneous matrix from which to gather data to establish control limits. These limits are used to determine whether data generated by the laboratory on any given day is in control.

Control limits for accuracy (percent recovery) are based on the average, historical percent recovery +/- 3 standard deviation units. Control limits for precision (relative percent difference) range from 0 (identical duplicate DCS results) to the average, historical relative percent difference + 3 standard deviation units. These control limits are fairly narrow based on the consistency of the matrix being monitored and are updated on a quarterly basis.

For each batch of samples analyzed, an additional control measure is taken in the form of a Single Control Sample (SCS). The SCS consists of a control matrix that is spiked with either representative target compounds or surrogate compounds appropriate to the method being used. An SCS is prepared for each sample lot for which the DCS pair are not analyzed.

Accuracy for DCS and SCS is measured by Percent Recovery.

$$\% \text{ Recovery} = \frac{\text{Measured Concentration}}{\text{Actual Concentration}} \times 100$$

Precision for DCS is measured by Relative Percent Difference (RPD).

$$\text{RPD} = \frac{|\text{Measured Concentration DCS1} - \text{Measured Concentration DCS2}|}{(\text{Measured Concentration DCS1} + \text{Measured Concentration DCS2})/2} \times 100$$

All samples analyzed concurrently by the same test are assigned the same QC lot number. Projects which contain numerous samples, analyzed over several days, may have multiple QC lot numbers associated with each test. The QC information which follows includes a listing of the QC lot numbers associated with each of the samples reported, DCS and SCS (where applicable) recoveries from the QC lots associated with the samples, and control limits for these lots. The QC data is reported by test code, in the order that the tests are reported in the analytical results section of this report.

QC LOT ASSIGNMENT REPORT
Metals Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
013980-0001-SA	AQUEOUS	CR-FAA-AD	01 APR 91-G	-
013980-0001-SA	AQUEOUS	CR-FAA-AT	19 MAR 91-Z	19 MAR 91-Z
013980-0001-SA	AQUEOUS	CR6-A	13 MAR 91-A	-
013980-0001-SA	AQUEOUS	CR6-AT	13 MAR 91-A	-
013980-0002-SA	AQUEOUS	CR-FAA-AD	01 APR 91-G	-
013980-0002-SA	AQUEOUS	CR-FAA-AT	19 MAR 91-Z	19 MAR 91-Z
013980-0002-SA	AQUEOUS	CR6-A	13 MAR 91-A	-
013980-0002-SA	AQUEOUS	CR6-AT	13 MAR 91-A	-
013980-0003-SA	AQUEOUS	CR-FAA-AD	01 APR 91-G	-
013980-0003-SA	AQUEOUS	CR-FAA-AT	19 MAR 91-Z	19 MAR 91-Z
013980-0003-SA	AQUEOUS	CR6-A	13 MAR 91-A	-
013980-0003-SA	AQUEOUS	CR6-AT	13 MAR 91-A	-

DUPLICATE CONTROL SAMPLE REPORT
Metals Analysis and Preparation

Analyte	Concentration Spiked	Concentration Measured		AVG	Accuracy Average(%)		Precision (RPD)		
		DCS1	DCS2		DCS	Limits	DCS	Limit	
Category: CR-FAA-AD Matrix: AQUEOUS QC Lot: 01 APR 91-G Concentration Units: mg/L									
Chromium	0.20	0.201	0.194	0.198	99	75-125	3.5	20	
Category: CR-FAA-AT Matrix: AQUEOUS QC Lot: 19 MAR 91-Z Concentration Units: mg/L									
Chromium	0.20	0.172	0.180	0.176	88	75-125	4.5	20	
Category: CR6-A Matrix: AQUEOUS QC Lot: 13 MAR 91-A Concentration Units: mg/L									
Chromium (VI)	0.05	0.0578	0.0588	0.0583	117	75-125	1.7	20	
Category: CR6-AT Matrix: AQUEOUS QC Lot: 13 MAR 91-A Concentration Units: mg/L									
Chromium (VI)	0.05	0.0578	0.0588	0.0583	117	75-125	1.7	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: CR-FAA-AT			
Matrix: AQUEOUS			
QC Lot: 19 MAR 91-Z	QC Run: 19 MAR 91-Z		
Chromium	ND	mg/L	0.0010

QC LOT ASSIGNMENT REPORT
Wet Chemistry Analysis and Preparation

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
013980-0001-SA	AQUEOUS	NO3-A	28 MAR 91-A	-
013980-0001-SA	AQUEOUS	TOX-A	21 MAR 91-A	-
013980-0001-SA	AQUEOUS	TOC-A	21 MAR 91-A	-
013980-0002-SA	AQUEOUS	NO3-A	28 MAR 91-A	-
013980-0002-SA	AQUEOUS	TOX-A	21 MAR 91-A	-
013980-0002-SA	AQUEOUS	TOC-A	21 MAR 91-A	-
013980-0003-SA	AQUEOUS	NO3-A	28 MAR 91-A	-
013980-0003-SA	AQUEOUS	TOX-A	21 MAR 91-A	-
013980-0003-SA	AQUEOUS	TOC-A	21 MAR 91-A	-

DUPLICATE CONTROL SAMPLE REPORT
Wet Chemistry Analysis and Preparation

Analyte	Spiked	Concentration		AVG	Accuracy		Precision		
		DCS1	Measured DCS2		Average(%) DCS	Limits	(RPD) DCS	Limit	
Category: NO3-A Matrix: AQUEOUS QC Lot: 28 MAR 91-A Concentration Units: mg/L									
Nitrate as N	7.1	6.47	6.62	6.54	92	91-109	2.3	10	
Category: TOX-A Matrix: AQUEOUS QC Lot: 21 MAR 91-A Concentration Units: ug Cl/L									
Total Organic Halogen as Cl	100	110	98.1	104	104	80-120	11	20	
Category: TOC-A Matrix: AQUEOUS QC Lot: 21 MAR 91-A Concentration Units: mg/L									
Total Organic Carbon	25	25.1	25.2	25.2	101	91-109	0.4	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

ENSECO ANALYTICAL SERVICES REQUEST FORM

13980-01

Special Handling (Circle as appropriate and explain in record 5)

Site Type (circle one)

Hazardous material

SW - Surface Water
 GW - Ground Water
 ME - Meteorological

LK - Lake
 ES - Estuary
 SP - Spring
 SS - Special Source

SAMPLE
 KAFB 010708-2
 Station Name

Field ID
 USGS/WRD/NEW MEX
 Field Office

KIRTLAND AFB
 IRP-SWMU'S
 Project

BILL DAM
 Collector

(505) 262-5341
 Phone (FTS)

File Deposition*

Sample identification

(Circle one)
 Q - WATSTORE
 X - Lab File

For Laboratory Use Only

KAFB 010708-2
 Station ID or Unique Number*

463536001
 Project Account #

91
 Year*

03
 Month*

12
 Day*

1305
 Time*

03
 Month

12
 Day

1330
 Time

NM
 State Code*

035
 District/ User Code*

001
 County Code

Begin Date

Composite End Date

Analysis level codes and schedules

Parameter	Method	Parameter	Method	Parameter	Method	Parameter	Method
CHROMIUM, TOTAL	SW3020/SW7191	CHROMIUM, DISS	SW3005/SW7191	CHROMIUM HEXAVALENT TOTAL	SW7196	CHROMIUM HEXAVALENT DISSOLVED	SW7196
URANIUM GROSS ALPHA & GROSS BETA	A7118, E900	VOX	SW5030/SW8010	TDC, TOX	SW7060, SW9020 E45.1	NITRATE + NITRITE	E353.2

Chain-of-Custody Record

PROJECT NAME KIRTLAND AFB-IRP, SWMU'S PROJECT NO. 463536001 P.O. NO.

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Miko Royal	FEDERAL EXPRESS	3/12/91	1600
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Received at lab by: (Signature)	Date	Time
	ALMA	03-13-91	0800
Relinquished from lab by: (Signature)	Received by: (Signature)	Date	Time

Comments (Only 50 characters stored in NWIS)

Record 5 WELL AT LANDFILL 1

Record 6

Total number of sample bottles for this request: 6

SHIP TO:

Enseco-Rocky Mountain Analytical
 4955 Yarrow Street
 Arvada, CO 80002
 (303) 421-6611
 LINDSAY BREYER

ENSECO ANALYTICAL SERVICES REQUEST FORM

139-80-02

Special Handling (Circle as appropriate and explain in record 5)

Hazardous material
DUPLICATE

Station Name
KAFB010709-2

Field ID
USGS/WRD/NEW MEX

Project
KIRTLAND AFB
RP-SWMU'S

Collector
BILL DAM

Site Type (circle one)

SW - Surface Water
GW - Ground Water
ME - Meteorological

LK - Lake
ES - Estuary
SP - Spring
SS - Special Source
(505) 262-5341
Phone (FTS)

Sample Deposition*
(Circle one)

Q - WATSTORE
X - Lab File

For Laboratory Use Only

Sample identification

Station ID or Unique Number*
K A F B 0 1 0 7 0 9 - 2

Project Account #
4 6 3 5 3 6 0 0 1

Year*
9 9 1

Month*
0 3

Day*
1 2

Time*
1 3 0 5

Month
0 3

Day
1 2

Time
1 3 3 0

State Code*
N M

District/ User Code*
0 3 5

County Code
0 0 1

Begin Date

Composite End Date

Analysis level codes and schedules

	6 Sample Medium**	Geologic Unit	(H) or 9 Analysis Status**	9 Analysis Source**	Hydrologic Condition**	9 Sample Type**	9 Hydrologic Event**
PARAMETER:	CHROMIUM, TOTAL		CHROMIUM, DISS	CHROMIUM HEXAVALENT TOTAL	CHROMIUM HEXAVALENT DISSOLVED		NITRATE + NITRITE
METHOD:	SW3020/SW7191		SW3005/SW7191	SW7196	SW7196		E353.2
PARAMETER:	URANIUM GROSS ALPHA & GROSS BETA		VOX	SW5030/SW8010	TOC, TOX		TRIOGLYCERIN/PETN
METHOD:	A711B, 8900				SW7060, SW9020 E45.1		LEATHAMA
PARAMETER:							
METHOD:							

Chain-of-Custody Record

PROJECT NAME KIRTLAND AFB-IRP, SWMU'S PROJECT NO. 463536001 P.O. NO.

Relinquished by: (Signature) *Miho Royal* Received by: (Signature) FEDERAL EXPRESS Date 3/12/91 Time 1600

Relinquished by: (Signature) Received by: (Signature) Date Time

Relinquished by: (Signature) Received at lab by: (Signature) Date Time

Relinquished from lab by: (Signature) Received by: (Signature) Date Time

Comments (Only 50 characters stored in NWIS)

Record 5 DUPLICATE SAMPLE FROM WELL AT LANDFILL 1

Record 6

Total number of sample bottles for this request: 6

SHIP TO:

Enseco-Rocky Mountain Analytical
4955 Yarrow Street.
Arvada, CO 80002
(303) 421-6611
LINDSAY BREYER

ENSECO ANALYTICAL SERVICES REQUEST FORM

13980-03

Special Handling (Circle as appropriate and explain in record 5)

Hazardous material
EQUIPMENT BLANK
AFB 010710-2
Station Name

Field ID
USGS/WRD/NEW MEX
Field Office

KIRTLAND AFB
IRP-SWMU'S
Project

BILL DAM
Collector

Site Type (circle one)

SW - Surface Water
GW - Ground Water
ME - Meteorological

LK - Lake
ES - Estuary
SP - Spring
SS - Special Source
(505) 262-5341
Phone (FTS)

Sample Deposition*

(Circle one)
Q - WATSTORE
X - Lab File

Sample identification

[Blank Box]
For Laboratory Use Only

K A F B 0 1 0 7 1 0 - 2
Station ID or Unique Number*

4 6 3 5 3 6 0 0 1
Project Account #

9 9 1 0 3 1 2 1 4 2 5
Year* Month* Day* Time*
Begin Date

Month Day Time
Composite End Date

N M 0 3 5 0 0 1
State Code* District/ User Code* County Code

Analysis level codes and schedules

Parameter	Sample Medium**	Geologic Unit	Analysis Status**	Analysis Source**	Hydrologic Condition**	Sample Type**	Hydrologic Event**
PARAMETER:	CHROMIUM, TOTAL		(H) or 9	9	9	9	9
METHOD:	SW3020/SW7191		CHROMIUM, DISS	SW3005/SW7191	CHROMIUM HEXAVALENT TOTAL	CHROMIUM HEXAVALENT DISSOLVED	NITRATE + NITRITE
PARAMETER:	URANIUM GROSS ALPHA & GROSS BETA			VOX		TOC, TOX	NITROGLYCERIN & PETN
METHOD:	AZHB, E900			SW5050/SW8040		SW7196, SW9020	USATMATA
PARAMETER:						ETHS, 1	
METHOD:							

Chain-of-Custody Record

PROJECT NAME KIRTLAND AFB-IRP, SWMU'S PROJECT NO. 463536001 P.O. NO.

Relinquished by: (Signature) Miho Royal Received by: (Signature) FEDERAL EXPRESS Date 3/12/91 Time 1600

Relinquished by: (Signature) Received by: (Signature) Date Time

Relinquished by: (Signature) Received at lab by: (Signature) Date Time

Relinquished from lab by: (Signature) Received by: (Signature) Date 03-13-91 Time 0800

Comments (Only 50 characters stored in NWIS)

Record 5 _____

Record 6 _____

Total number of sample bottles for this request: 6

SHIP TO:

Enseco-Rocky Mountain Analytical
4955 Yarrow Street
Arvada, CO 80002
(303) 421-6611
LINDSAY BREYER