

Enseco Incorporated ✓

U ENSECO

ANALYTICAL RESULTS  
FOR  
U.S. GEOLOGICAL SURVEY  
ENSECO-RMAL NO. 012581



JANUARY 11, 1991

KAFB1073



## **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

## **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 Date	Time	Received Date
012581-0001-SA	KAFB050109-2	AQUEOUS	27 NOV 90	14:45	28 NOV 90
012581-0002-SA	KAFB050218-2	AQUEOUS	27 NOV 90	08:58	28 NOV 90

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ANALYTICAL TEST REQUESTS  
for  
U.S. Geological Survey

Lab ID: 012581	Group Code	Analysis Description	Custom Test?
0001	A	Total Organic Carbon (TOC)	N
		Total Organic Halogen (TOX)	N
		Chromium, Furnace AA (Total)	N
		Prep - Total Metals, ICP	N
		Chromium, Furnace AA	N
		Volatiles Library Search (10 Compound TID)	N
		Volatile Organics	N
		Appendix IX List	N
		Screen - Volatile Organics	N
0002	B	Total Organic Carbon (TOC)	N
		Total Organic Halogen (TOX)	N
		Chromium, Furnace AA (Total)	N
		Prep - Total Metals, ICP	N
		Chromium, Furnace AA	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.

Volatile Organics  
Appendix IX List  
Method 8240

Client Name: U.S. Geological Survey  
 Client ID: KAFB050109-2  
 Lab ID: 012581-0001-SA  
 Matrix: AQUEOUS  
 Authorized: 28 NOV 90

Sampled: 27 NOV 90  
 Prepared: 03 DEC 90

Received: 28 NOV 90  
 Analyzed: 05 DEC 90

Parameter	Result	Units	Reporting Limit
Acetone	15	ug/L	10
Acetonitrile	ND	ug/L	200
Acrolein	ND	ug/L	100
Acrylonitrile	ND	ug/L	100
Allyl chloride	ND	ug/L	10
Benzene	ND	ug/L	5.0
Bromodichloromethane	ND	ug/L	5.0
Bromoform	ND	ug/L	5.0
Bromomethane	ND	ug/L	10
2-Butanone (MEK)	ND	ug/L	10
Carbon disulfide	ND	ug/L	5.0
Carbon tetrachloride	ND	ug/L	5.0
Chlorobenzene	ND	ug/L	5.0
Chloroethane	ND	ug/L	10
Chloroform	ND	ug/L	5.0
Chloromethane	ND	ug/L	10
Chloroprene	ND	ug/L	5.0
Dibromochloromethane	ND	ug/L	5.0
1,2-Dibromo-3-chloro- propane (DBCP)	ND	ug/L	10
1,2-Dibromoethane (EDB)	ND	ug/L	10
Dibromomethane	ND	ug/L	5.0
trans-1,4-Dichloro- 2-butene	ND	ug/L	5.0
Dichlorodifluoromethane	ND	ug/L	20
1,1-Dichloroethane	ND	ug/L	5.0
1,2-Dichloroethane	ND	ug/L	5.0
1,1-Dichloroethene	ND	ug/L	5.0
1,2-Dichloroethene (total)	ND	ug/L	5.0
1,2-Dichloropropane	ND	ug/L	5.0
cis-1,3-Dichloropropene	ND	ug/L	5.0
trans-1,3-Dichloropropene	ND	ug/L	5.0
1,4-Dioxane	ND	ug/L	500
Ethylbenzene	ND	ug/L	5.0
Ethyl methacrylate	ND	ug/L	20
Iodomethane	ND	ug/L	5.0
Isobutanol	ND	ug/L	200
2-Hexanone	ND	ug/L	10
Methacrylonitrile	ND	ug/L	5.0
Methylene chloride	ND	ug/L	5.0

(continued on following page)

ND = Not detected  
 NA = Not applicable

Reported By: Debbie Coyle

Approved By: Jeff Lowry

Volatile Organics  
Appendix IX List  
Method 8240

Client Name: U.S. Geological Survey

Client ID: KAFB050109-2

Lab ID: 012581-0001-SA

Matrix: AQUEOUS

Authorized: 28 NOV 90

Sampled: 27 NOV 90

Prepared: 03 DEC 90

Received: 28 NOV 90

Analyzed: 05 DEC 90

Parameter	Result	Units	Reporting Limit
Methyl methacrylate	ND	ug/L	20
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10
Propionitrile	ND	ug/L	5.0
Styrene	ND	ug/L	5.0
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0
Tetrachloroethene	ND	ug/L	5.0
Toluene	ND	ug/L	5.0
1,1,1-Trichloroethane	ND	ug/L	5.0
1,1,2-Trichloroethane	ND	ug/L	5.0
Trichloroethene	ND	ug/L	5.0
Trichlorofluoromethane	ND	ug/L	5.0
1,2,3-Trichloropropane	ND	ug/L	5.0
Vinyl acetate	ND	ug/L	10
Vinyl chloride	ND	ug/L	10
Xylenes (total)	ND	ug/L	5.0
Surrogate	Recovery		
Toluene-d8	101	%	--
4-Bromofluorobenzene	95	%	--
1,2-Dichloroethane-d4	89	%	--

ND = Not detected  
NA = Not applicable

Reported By: Debbie Coyle

Approved By: Jeff Lowry

TENTATIVELY IDENTIFIED COMPOUNDS  
FOR  
U.S. GEOLOGICAL SURVEY

SAMPLE NUMBER 012581-0001

<u>Compound Name</u>	<u>Fraction</u>	<u>Confidence Level</u>	<u>Estimated Concentration ug/L</u>
Hexane	VOA	2	20
Cyclopentane, Methyl-	VOA	2	5.4

NOTES:

Confidence Levels

- Level 3 - Confirmed Identification
- Level 2 - Confident Identification
- Level 1 - Tentative Identification

Please refer to the discussion for further details.



## Metals

## Total Metals

Client Name: U.S. Geological Survey

Client ID: KAFB050109-2

Lab ID: 012581-0001-SA

Matrix: AQUEOUS

Authorized: 28 NOV 90

Sampled: 27 NOV 90

Prepared: See Below

Received: 28 NOV 90

Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chromium	0.0024	mg/L	0.0010	7191	31 DEC 90	09 JAN 91

ND = Not detected

NA = Not applicable

Reported By: Richard Persichitte

Approved By: Dave Roberts

Metals

Total Metals

Client Name: U.S. Geological Survey  
 Client ID: KAFB05021~~2~~-2  
 Lab ID: 012581-0002-SA  
 Matrix: AQUEOUS  
 Authorized: 28 NOV 90

Sampled: 27 NOV 90  
 Prepared: See Below

Received: 28 NOV 90  
 Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chromium	ND	mg/L	0.0010	7191	31 DEC 90	09 JAN 91

ND = Not detected  
 NA = Not applicable

Reported By: Richard Persichitte

Approved By: Dave Roberts

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**Metals****Dissolved Metals**

Client Name: U.S. Geological Survey  
Client ID: KAFB050109-2  
Lab ID: 012581-0001-SA  
Matrix: AQUEOUS  
Authorized: 28 NOV 90

Sampled: 27 NOV 90  
Prepared: See Below

Received: 28 NOV 90  
Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chromium	0.0067	mg/L	0.0010	7191	NA	09 JAN 91

ND = Not detected  
NA = Not applicable

Reported By: Richard Persichitte

Approved By: Dave Roberts

Metals

3 Dissolved Metals

Client Name: U.S. Geological Survey  
 Client ID: KAFB050218-2  
 Lab ID: 012581-0002-SA  
 Matrix: AQUEOUS  
 Authorized: 28 NOV 90

Sampled: 27 NOV 90  
 Prepared: See Below

Received: 28 NOV 90  
 Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Chromium	0.0014	mg/L	0.0010	7191	NA	09 JAN 91

ND = Not detected  
 NA = Not applicable

Reported By: Richard Persichitte

Approved By: Dave Roberts

General Inorganics

Client Name: U.S. Geological Survey  
 Client ID: KAFB050109-2  
 Lab ID: 012581-0001-SA  
 Matrix: AQUEOUS  
 Authorized: 28 NOV 90

Sampled: 27 NOV 90  
 Prepared: See Below

Received: 28 NOV 90  
 Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Organic Carbon	0.80	mg/L	0.50	9060	NA	03 DEC 90
Total Organic Halogen as Cl	ND	ug/L	30.0	9020	NA	13 DEC 90

ND = Not detected  
 NA = Not applicable

Reported By: Steve Pope

Approved By: Roxanne Sullivan

General Inorganics

Client Name: U.S. Geological Survey  
 Client ID: KAFB050218-2  
 Lab ID: 012581-0002-SA  
 Matrix: AQUEOUS  
 Authorized: 28 NOV 90  
 Sampled: 27 NOV 90  
 Prepared: See Below  
 Received: 28 NOV 90  
 Analyzed: See Below

Parameter	Result	Units	Reporting Limit	Analytical Method	Prepared Date	Analyzed Date
Total Organic Carbon	1.2	mg/L	0.50	9060	NA	03 DEC 90
Total Organic Halogen as Cl	ND	ug/L	30.0	9020	NA	20 DEC 90

ND = Not detected  
 NA = Not applicable

Reported By: Steve Pope

Approved By: Roxanne Sullivan

## 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  
Volatile Organics by GC/MS

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
012581-0001-SA	AQUEOUS	624-A	21 NOV 90-H	05 DEC 90-H

DUPLICATE CONTROL SAMPLE REPORT  
 Volatile Organics by GC/MS

Analyte	Spiked	Concentration		AVG	Accuracy		Precision	
		DCS1	Measured DCS2		Average(%) DCS	Limits	(RPD) DCS	Limit
Category: 624-A								
Matrix: AQUEOUS								
QC Lot: 21 NOV 90-H								
Concentration Units: ug/L								
1,1-Dichloroethene	50	47.9	47.6	47.8	96	61-145	0.6	14
Trichloroethene	50	52.1	56.5	54.3	109	71-120	8.1	14
Benzene	50	51.7	57.6	54.6	109	76-127	11	11
Toluene	50	51.4	56.3	53.8	108	76-125	9.1	13
Chlorobenzene	50	52.2	57.0	54.6	109	75-130	8.8	13

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

SINGLE CONTROL SAMPLE REPORT  
Volatile Organics by GC/MS

Analyte	Concentration		Accuracy(%)	
	Spiked	Measured	SCS	Limits
Category: 624-A				
Matrix: AQUEOUS				
QC Lot: 21 NOV 90-H    QC Run: 05 DEC 90-H				
Concentration Units: ug/L				
1,2-Dichloroethane-d4	50.0	45.6	91	76-114
4-Bromofluorobenzene	50.0	47.4	95	86-115
Toluene-d8	50.0	51.0	102	88-110

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

METHOD BLANK REPORT  
Volatile Organics by GC/MS

Analyte	Result	Units	Reporting Limit
Test: 8240CP-AP9-AP			
Matrix: AQUEOUS			
QC Lot: 21 NOV 90-H	QC Run: 05 DEC 90-H		
Acetone	ND	ug/L	10
Acetonitrile	ND	ug/L	200
Acrolein	ND	ug/L	100
Acrylonitrile	ND	ug/L	100
Allyl chloride	ND	ug/L	10
Benzene	ND	ug/L	5.0
Bromodichloromethane	ND	ug/L	5.0
Bromoform	ND	ug/L	5.0
Bromomethane	ND	ug/L	10
2-Butanone (MEK)	ND	ug/L	10
Carbon disulfide	ND	ug/L	5.0
Carbon tetrachloride	ND	ug/L	5.0
Chlorobenzene	ND	ug/L	5.0
Chloroethane	ND	ug/L	10
Chloroform	ND	ug/L	5.0
Chloromethane	ND	ug/L	10
Chloroprene	ND	ug/L	5.0
Dibromochloromethane	ND	ug/L	5.0
1,2-Dibromo-3-chloro- propane (DBCP)	ND	ug/L	10
1,2-Dibromoethane (EDB)	ND	ug/L	10
Dibromomethane	ND	ug/L	5.0
trans-1,4-Dichloro- 2-butene	ND	ug/L	5.0
Dichlorodifluoromethane	ND	ug/L	20
1,1-Dichloroethane	ND	ug/L	5.0
1,2-Dichloroethane	ND	ug/L	5.0
1,1-Dichloroethene	ND	ug/L	5.0
1,2-Dichloroethene (total)	ND	ug/L	5.0
1,2-Dichloropropane	ND	ug/L	5.0
cis-1,3-Dichloropropene	ND	ug/L	5.0
trans-1,3-Dichloropropene	ND	ug/L	5.0
1,4-Dioxane	ND	ug/L	500
Ethylbenzene	ND	ug/L	5.0
Ethyl methacrylate	ND	ug/L	20
Iodomethane	ND	ug/L	5.0
Isobutanol	ND	ug/L	200
2-Hexanone	ND	ug/L	10
Methacrylonitrile	ND	ug/L	5.0
Methylene chloride	ND	ug/L	5.0

**METHOD BLANK REPORT**  
**Volatile Organics by GC/MS (cont.)**

Analyte	Result	Units	Reporting Limit
Test: 8240CP-AP9-AP			
Matrix: AQUEOUS			
QC Lot: 21 NOV 90-H    QC Run: 05 DEC 90-H			
Methyl methacrylate	ND	ug/L	20
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10
Propionitrile	ND	ug/L	5.0
Styrene	ND	ug/L	5.0
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0
Tetrachloroethene	ND	ug/L	5.0
Toluene	ND	ug/L	5.0
1,1,1-Trichloroethane	ND	ug/L	5.0
1,1,2-Trichloroethane	ND	ug/L	5.0
Trichloroethene	ND	ug/L	5.0
Trichlorofluoromethane	ND	ug/L	5.0
1,2,3-Trichloropropane	ND	ug/L	5.0
Vinyl acetate	ND	ug/L	10
Vinyl chloride	ND	ug/L	10
Xylenes (total)	ND	ug/L	5.0

**QC LOT ASSIGNMENT REPORT**  
**Metals Analysis and Preparation**

Laboratory Sample Number	QC Matrix	QC Category	QC Lot Number (DCS)	QC Run Number (SCS/BLANK)
012581-0001-SA	AQUEOUS	CR-FAA-AT	31 DEC 90-A	31 DEC 90-A
012581-0001-SA	AQUEOUS	CR-FAA-AD	09 JAN 91-A	-
012581-0002-SA	AQUEOUS	CR-FAA-AT	31 DEC 90-A	31 DEC 90-A
012581-0002-SA	AQUEOUS	CR-FAA-AD	09 JAN 91-A	-

DUPLICATE CONTROL SAMPLE REPORT  
Metals Analysis and Preparation

Analyte	Spiked	Concentration		Measured	AVG	Accuracy		Precision	
		DCS1	DCS2			Average(%)	Limits	(RPD)	DCS Limit
Category: CR-FAA-AT Matrix: AQUEOUS QC Lot: 31 DEC 90-A Concentration Units: mg/L									
Chromium	0.20	0.153	0.149	0.151	76	75-125	2.6	20	
Category: CR-FAA-AD Matrix: AQUEOUS QC Lot: 09 JAN 91-A Concentration Units: mg/L									
Chromium	0.02	0.0234	0.0208	0.0221	111	75-125	12	20	

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



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METHOD BLANK REPORT  
Metals Analysis and Preparation

Analyte	Result	Units	Reporting Limit
Test: CR-FAA-AT Matrix: AQUEOUS QC Lot: 31 DEC 90-A    QC Run: 31 DEC 90-A			
Chromium	ND	mg/L	0.0050
Test: CR-FAA-AT Matrix: AQUEOUS QC Lot: 31 DEC 90-A    QC Run: 31 DEC 90-A			
Chromium	ND	mg/L	0.0050

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**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)
012581-0001-SA	AQUEOUS	TOC-A	03 DEC 90-B	-
012581-0001-SA	AQUEOUS	TOX-A	13 DEC 90-A	-
012581-0002-SA	AQUEOUS	TOC-A	03 DEC 90-B	-
012581-0002-SA	AQUEOUS	TOX-A	20 DEC 90-M	-

DUPLICATE CONTROL SAMPLE REPORT  
Wet Chemistry Analysis and Preparation

Analyte	Concentration Spiked	Concentration Measured		AVG	Accuracy Average(%)		Precision (RPD)		
		DCS1	DCS2		DCS	Limits	DCS	Limit	
Category: TOC-A Matrix: AQUEOUS QC Lot: 03 DEC 90-B Concentration Units: mg/L									
Total Organic Carbon	25	24.5	25.5	25.0	100	91-109	4.0	20	
Category: TOX-A Matrix: AQUEOUS QC Lot: 13 DEC 90-A Concentration Units: ug Cl/L									
Total Organic Halogen as Cl	100	97.1	92.8	95.0	95	80-120	4.5	20	
Category: TOX-A Matrix: AQUEOUS QC Lot: 20 DEC 90-M Concentration Units: ug Cl/L									
Total Organic Halogen as Cl	100	99.2	96.8	98.0	98	80-120	2.4	20	

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



Appendix

Special Handling

(Circle as appropriate and explain in record 5)

Site Type (circle one) 12581-01

Hazardous material

SW - Surface Water  
GW - Ground Water  
ME - Meteorological

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

KAFB050109-2

Field ID KIRTLAND  
USGS/WRD/NEW MEXICO AFB IRP  
Field Office Project

R. Wilcox (305) 262-5340  
Collector Phone (FTS)

File Deposition\*

Sample identification

(Circle one)

Q - WATSTORE  
X - Lab File

[Empty box for Laboratory Use Only]

KAFB050109-2

463536001

For Laboratory Use Only

Station ID or Unique Number\*

Project Account #

1990  
Year\*

11  
Month\*

27  
Day\*

1445  
Time\*

11  
Month

27  
Day

1506  
Time

NM  
State Code\*

035  
District/ User Code\*

001  
County Code

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:

TOC TOX

DISSOLVED CHROMIUM

TOTAL CHROMIUM

METHOD:

SW 9060 SW 9020

SW 3005/SW 7191

SW 3020/SW 7191

PARAMETER:

APPE VOC

METHOD:

SW 5030/SW 8240

PARAMETER:

METHOD:

Chain-of-Custody Record

PROJECT NAME KIRTLAND AFB IRP PROJECT NO. 463536001 P.O. NO.

Relinquished by: (Signature) Received by: (Signature) Date Time  
AIRBORNE EXPRESS 11/27/90 1705

Relinquished by: (Signature) Received at lab by: (Signature) Date Time  
11-28-90 1000

Comments (Only 50 characters stored in NWIS)

Record 5 MONITORING WELL AT SE CNR OF S.W. LAGOON

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 ATTENTION: LINDSAY BRYER

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

Site Type (circle one) 12581-02

Hazardous material

SW - Surface Water  
GW - Ground Water  
ME - Meteorological

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

KAFB0502<sup>12</sup>~~1~~-2

Field ID KIRTLAND

USGS/WRD/NEWMEXICO AFB IRP

R. Wilcox (505) 262-5340

Station Name

Field Office

Project

Collector

Phone (FTS)

File Deposition\* (Circle one)

Sample identification

Q - WATSTORE  
X - Lab File

[Empty box]

KAFB0502<sup>123</sup>~~1~~-2

463536001

For Laboratory Use Only

Station ID or Unique Number\*

Project Account #

1990  
Year\*

11  
Month\*

27  
Day\*

0858  
Time\*

11  
Month

27  
Day

0918  
Time

NM  
State Code\*

035  
District/ User Code\*

001  
County Code

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:

TOC

TOX

DISSOLVED CHROMIUM

TOTAL CHROMIUM

METHOD:

SW 9060

SW 9020

SW 3005/SW 7191

SW 3020/SW 7191

PARAMETER:

METHOD:

PARAMETER:

METHOD:

Chain-of-Custody Record

PROJECT NAME KIRTLAND AFB IRP PROJECT NO. 463536001 P.O. NO.

Relinquished by: (Signature)

Received by: (Signature)

Date

Time

[Signature]

AIRBORNE EXPRESS

11/27/90

1705

Relinquished by: (Signature)

Received by: (Signature)

Date

Time

Relinquished by: (Signature)

Received at lab by: (Signature)

Date

Time

[Signature]

Received by: (Signature)

11-28-90

1000

Comments (Only 50 characters stored in NWIS)

Record 5 MONITORING WELL AT NE COR. OF SEWAGE LAGOON.

Record 6

Total number of sample bottles for this request: 3

SHIP TO:

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

ATTENTION: LINDSAY BRYER